APPENDIX E

ANALYTICAL DATA TABLES AND COMMERICAL LABORATORY ANALYTICAL REPORTS

Appendix E-1	**Analytical Results for Soil Samples**
Appendix E-2	**Analytical Results for Soil Gas Samples**
Appendix E-3	**Analytical Results for Groundwater from Monitoring Wells**
Appendix E-4	**Analytical Results for Discrete-Depth Groundwater Samples**
Appendix E-5	**Analytical Results for Air Samples**
Appendix E-6	**Commercial Laboratory Analytical Reports**

Appendix E-1

Analytical Results for Soil Samples

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (in ug/kg)																				
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG01	SAIA-SB/SG01-0.5	04/05/2013	N	0.5	1	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<100	<10	<10	<10	<10	<5.2
SAIA-SB/SG01	SAIA-SB/SG01-02	04/05/2013	N	2	2.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	<11	<5.7
SAIA-SB/SG01	SAIA-SB/SG01-05	04/05/2013	N	5	5.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	6	6.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG01	SAIA-SB/SG01-15	04/05/2013	N	15	15.5	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<130	<13	<13	<13	<13	<6.3
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG01	SAIA-SB/SG01-25	04/05/2013	N	25	25.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	<11	<5.7
SAIA-SB/SG01	SAIA-SB/SG01-35	04/05/2013	N	35	35.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<120	<12	<12	<12	<12	<5.8
SAIA-SB/SG02	SAIA-SB/SG02-0.5	04/01/2013	N	0.5	1	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG02	SAIA-SB/SG02-02	04/01/2013	N	2	2.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	<11	<5.7
SAIA-SB/SG02	SAIA-SB/SG02-05	04/01/2013	N	5	5.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<120	<12	<12	<12	<12	<5.8
SAIA-SB/SG02	SAIA-SB/SG02-15	04/01/2013	N	15	15.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<10	<10	<10	<10	<5
SAIA-SB/SG02	SAIA-SB/SG02-25	04/01/2013	N	25	25.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<100	<10	<10	<10	<10	<5.2
SAIA-SB/SG02	SAIA-SB/SG02-35	04/01/2013	N	35	35.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG03	SAIA-SB/SG03-0.5	04/01/2013	N	0.5	1	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<120	<12	<12	<12	<12	<5.8
SAIA-SB/SG03	SAIA-SB/SG03-02	04/01/2013	N	2	2.5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG03	SAIA-SB/SG03-03	04/01/2013	FD	3	3.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<120	<12	<12	<12	<12	<6
SAIA-SB/SG03	SAIA-SB/SG03-05	04/01/2013	N	5	5.5	<6.1	<6.1	<6.1	<6.1	**4.7 J**	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG03	SAIA-SB/SG03-15	04/01/2013	N	15	15.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG03	SAIA-SB/SG03-25	04/01/2013	N	25	25.5	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<140	<14	<14	<14	<14	<7.2
SAIA-SB/SG03	SAIA-SB/SG03-35	04/01/2013	N	35	35.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG04	SAIA-SB/SG04-0.5	04/01/2013	N	0.5	1	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<120	<12	<12	<12	<12	<6
SAIA-SB/SG04	SAIA-SB/SG04-02	04/01/2013	N	2	2.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<130	<13	<13	<13	<13	<6.4

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																							
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG01	SAIA-SB/SG01-0.5	04/05/2013	N	0.5	1	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
SAIA-SB/SG01	SAIA-SB/SG01-02	04/05/2013	N	2	2.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
SAIA-SB/SG01	SAIA-SB/SG01-05	04/05/2013	N	5	5.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	6	6.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**1.9 J**	**3 J**	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG01	SAIA-SB/SG01-15	04/05/2013	N	15	15.5	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG01	SAIA-SB/SG01-25	04/05/2013	N	25	25.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
SAIA-SB/SG01	SAIA-SB/SG01-35	04/05/2013	N	35	35.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
SAIA-SB/SG02	SAIA-SB/SG02-0.5	04/01/2013	N	0.5	1	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG02	SAIA-SB/SG02-02	04/01/2013	N	2	2.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	**4.6 J**	<5.7	<5.7	<5.7	<5.7	<5.7
SAIA-SB/SG02	SAIA-SB/SG02-05	04/01/2013	N	5	5.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
SAIA-SB/SG02	SAIA-SB/SG02-15	04/01/2013	N	15	15.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-SB/SG02	SAIA-SB/SG02-25	04/01/2013	N	25	25.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
SAIA-SB/SG02	SAIA-SB/SG02-35	04/01/2013	N	35	35.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB/SG03	SAIA-SB/SG03-0.5	04/01/2013	N	0.5	1	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
SAIA-SB/SG03	SAIA-SB/SG03-02	04/01/2013	N	2	2.5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	**1.9 J**	**3.1 J**	**4.8 J**	<5.9	<5.9	<5.9	**7.8 J**	<5.9	<5.9
SAIA-SB/SG03	SAIA-SB/SG03-03	04/01/2013	FD	3	3.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	**2.1 J**	**2.9 J**	**5 J**	<6	<6	<6	**8.3 J**	<6	<6
SAIA-SB/SG03	SAIA-SB/SG03-05	04/01/2013	N	5	5.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	**5.9 J**	<6.1	<6.1	<6.1	<6.1	**7.6 J**	**11 J**	**25 J**	<6.1	**4.3 J**	<6.1	**34 J**	<6.1	<6.1
SAIA-SB/SG03	SAIA-SB/SG03-15	04/01/2013	N	15	15.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**5.7**	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG03	SAIA-SB/SG03-25	04/01/2013	N	25	25.5	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
SAIA-SB/SG03	SAIA-SB/SG03-35	04/01/2013	N	35	35.5	<5.5	<5.5	<5.5	**2.2 J**	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	**4.6 J**	<5.5	<5.5	<5.5	<5.5	**2.4 J**	**3.9 J**	**7**	<5.5	<5.5	<5.5	**10 J**	<5.5	<5.5
SAIA-SB/SG04	SAIA-SB/SG04-0.5	04/01/2013	N	0.5	1	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	**5.3 J**	<6	<6	<6	<6	<6
SAIA-SB/SG04	SAIA-SB/SG04-02	04/01/2013	N	2	2.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG01	SAIA-SB/SG01-0.5	04/05/2013	N	0.5	1	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<180		<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG01	SAIA-SB/SG01-02	04/05/2013	N	2	2.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG01	SAIA-SB/SG01-05	04/05/2013	N	5	5.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	6	6.5	<5.1	<5.1	<5.1	**1.5 J**	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180
SAIA-SB/SG01	SAIA-SB/SG01-15	04/05/2013	N	15	15.5	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<220	--	<220	<220	<220	<220	<220	<430	<220	<220	<220	<220	<220	<220	<430	<220
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG01	SAIA-SB/SG01-25	04/05/2013	N	25	25.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG01	SAIA-SB/SG01-35	04/05/2013	N	35	35.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG02	SAIA-SB/SG02-0.5	04/01/2013	N	0.5	1	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG02	SAIA-SB/SG02-02	04/01/2013	N	2	2.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG02	SAIA-SB/SG02-05	04/01/2013	N	5	5.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<190	--	<190	<190	<190	<190	<190	<360	<190	<190	<190	<190	<190	<190	<360	<190
SAIA-SB/SG02	SAIA-SB/SG02-15	04/01/2013	N	15	15.5	<5	<5	<5	<5	<5	<5	<5	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<210	<400	<210
SAIA-SB/SG02	SAIA-SB/SG02-25	04/01/2013	N	25	25.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG02	SAIA-SB/SG02-35	04/01/2013	N	35	35.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG03	SAIA-SB/SG03-0.5	04/01/2013	N	0.5	1	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	**150 J**	<200	<380	<200
SAIA-SB/SG03	SAIA-SB/SG03-02	04/01/2013	N	2	2.5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	**4,500 J**	<180	<350	<180
SAIA-SB/SG03	SAIA-SB/SG03-03	04/01/2013	FD	3	3.5	<6	**2 J**	<6	<6	<6	<6	<6	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	**4,200 J**	<180	<360	<180
SAIA-SB/SG03	SAIA-SB/SG03-05	04/01/2013	N	5	5.5	<6.1	**3.2 J**	<6.1	<6.1	**2.3 J**	<6.1	<6.1	<220	--	<220	<220	<220	<220	<220	<420	<220	<220	<220	<220	**21,000 J**	<220	<420	<220
SAIA-SB/SG03	SAIA-SB/SG03-15	04/01/2013	N	15	15.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<210	<400	<210
SAIA-SB/SG03	SAIA-SB/SG03-25	04/01/2013	N	25	25.5	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<230	--	<230	<230	<230	<230	<230	<440	<230	<230	<230	<230	**6,500**	<230	<440	<230
SAIA-SB/SG03	SAIA-SB/SG03-35	04/01/2013	N	35	35.5	<5.5	<5.5	<5.5	<5.5	**4.1 J**	<5.5	<5.5	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG04	SAIA-SB/SG04-0.5	04/01/2013	N	0.5	1	<6	<6	<6	<6	<6	<6	<6	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG04	SAIA-SB/SG04-02	04/01/2013	N	2	2.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Semivolatile (ug/kg)																			
						3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG01	SAIA-SB/SG01-0.5	04/05/2013	N	0.5	1	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG01	SAIA-SB/SG01-02	04/05/2013	N	2	2.5	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG01	SAIA-SB/SG01-05	04/05/2013	N	5	5.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	6	6.5	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG01	SAIA-SB/SG01-15	04/05/2013	N	15	15.5	<220	<430	<430	<220	<220	<220	<220	<220	<430	<430	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG01	SAIA-SB/SG01-25	04/05/2013	N	25	25.5	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG01	SAIA-SB/SG01-35	04/05/2013	N	35	35.5	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG02	SAIA-SB/SG02-0.5	04/01/2013	N	0.5	1	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG02	SAIA-SB/SG02-02	04/01/2013	N	2	2.5	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG02	SAIA-SB/SG02-05	04/01/2013	N	5	5.5	<190	<360	<360	<190	<190	<190	<190	<190	<360	<360	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG02	SAIA-SB/SG02-15	04/01/2013	N	15	15.5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG02	SAIA-SB/SG02-25	04/01/2013	N	25	25.5	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG02	SAIA-SB/SG02-35	04/01/2013	N	35	35.5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG03	SAIA-SB/SG03-0.5	04/01/2013	N	0.5	1	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG03	SAIA-SB/SG03-02	04/01/2013	N	2	2.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	**220**	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG03	SAIA-SB/SG03-03	04/01/2013	FD	3	3.5	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	**190 J**	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG03	SAIA-SB/SG03-05	04/01/2013	N	5	5.5	<220	<420	<420	<220	<220	<220	<220	<220	<420	<420	**560 J**	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG03	SAIA-SB/SG03-15	04/01/2013	N	15	15.5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG03	SAIA-SB/SG03-25	04/01/2013	N	25	25.5	<230	<440	<440	<230	<230	<230	<230	<230	<440	<440	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230
SAIA-SB/SG03	SAIA-SB/SG03-35	04/01/2013	N	35	35.5	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG04	SAIA-SB/SG04-0.5	04/01/2013	N	0.5	1	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG04	SAIA-SB/SG04-02	04/01/2013	N	2	2.5	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG01	SAIA-SB/SG01-0.5	04/05/2013	N	0.5	1	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG01	SAIA-SB/SG01-02	04/05/2013	N	2	2.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	**130 J**	<180	<180	<180	<180	<180
SAIA-SB/SG01	SAIA-SB/SG01-05	04/05/2013	N	5	5.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	6	6.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG01	SAIA-SB/SG01-15	04/05/2013	N	15	15.5	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG01	SAIA-SB/SG01-25	04/05/2013	N	25	25.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG01	SAIA-SB/SG01-35	04/05/2013	N	35	35.5	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG02	SAIA-SB/SG02-0.5	04/01/2013	N	0.5	1	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG02	SAIA-SB/SG02-02	04/01/2013	N	2	2.5	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG02	SAIA-SB/SG02-05	04/01/2013	N	5	5.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG02	SAIA-SB/SG02-15	04/01/2013	N	15	15.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG02	SAIA-SB/SG02-25	04/01/2013	N	25	25.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG02	SAIA-SB/SG02-35	04/01/2013	N	35	35.5	<190	<190	<190	<190	<190	<190	**94 J**	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG03	SAIA-SB/SG03-0.5	04/01/2013	N	0.5	1	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG03	SAIA-SB/SG03-02	04/01/2013	N	2	2.5	<180	<180	**280**	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	**720**	<180	<180	<180	<180	<180
SAIA-SB/SG03	SAIA-SB/SG03-03	04/01/2013	FD	3	3.5	<180	<180	**230 J**	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	**670 J**	<180	<180	<180	<180	<180
SAIA-SB/SG03	SAIA-SB/SG03-05	04/01/2013	N	5	5.5	<220	<220	**J**	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	**1,500 J**	<220	<220	<220	<220	<220
SAIA-SB/SG03	SAIA-SB/SG03-15	04/01/2013	N	15	15.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG03	SAIA-SB/SG03-25	04/01/2013	N	25	25.5	<230	<230	**380**	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	**820**	<230	<230	<230	<230	<230
SAIA-SB/SG03	SAIA-SB/SG03-35	04/01/2013	N	35	35.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG04	SAIA-SB/SG04-0.5	04/01/2013	N	0.5	1	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG04	SAIA-SB/SG04-02	04/01/2013	N	2	2.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)										
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG01	SAIA-SB/SG01-0.5	04/05/2013	N	0.5	1	<180	<180	<180	<180	<180	<360	<180	<180	<180	**14000**	<5.89	**2.8**	**130**	**0.34 J**	**0.13 J**	**11100**	**23.7**	**10.5**	**26.7**	**25300 J**
SAIA-SB/SG01	SAIA-SB/SG01-02	04/05/2013	N	2	2.5	<180	<180	<180	<180	<180	<360	<180	<180	**130 J**	**15,100**	<6.26	**2.8**	**133**	**0.31 J**	**0.1 J**	**8,230**	**27.4**	**11.1**	**23.9**	**27,400 J**
SAIA-SB/SG01	SAIA-SB/SG01-05	04/05/2013	N	5	5.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**13,600**	<5.26	**1.9**	**118**	**0.32 J**	**0.095 J**	**7,610**	**18.2**	**9.8**	**18.8**	**22,700 J**
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	6	6.5	<180	<180	<180	<180	<180	<340	<180	<180	<180	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG01	SAIA-SB/SG01-15	04/05/2013	N	15	15.5	<220	<220	<220	<220	<220	<430	<220	<220	<220	**34,400**	<7.69	**4**	**251**	**1.1**	**0.29 J**	**14,400**	**39.9**	**19.1**	**61.9**	**38,600 J**
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	**13,200**	<5.26	**1.8**	**120**	**0.3 J**	**0.091 J**	**6,970**	**18.3**	**9.7**	**17.6**	**22,800 J**
SAIA-SB/SG01	SAIA-SB/SG01-25	04/05/2013	N	25	25.5	<210	<210	<210	<210	<210	<410	<210	<210	<210	**19,800**	<6.28	**3.7**	**203**	**0.45 J**	<0.523	**9,200**	**27.7**	**14.4**	**24.5**	**31,800 J**
SAIA-SB/SG01	SAIA-SB/SG01-35	04/05/2013	N	35	35.5	<170	<170	<170	<170	<170	<340	<170	<170	<170	**7,580**	<5.96	**10.5**	**77.6**	**0.17 J**	<0.50	**3,860**	**9.8**	**5.8**	**8.5**	**15,800 J**
SAIA-SB/SG02	SAIA-SB/SG02-0.5	04/01/2013	N	0.5	1	<180	<180	<180	<180	<180	<350	<180	<180	<180	**15,200**	**2.5 J**	**4.4**	**146**	<0.50	**0.81**	**7,980**	**20.2**	**10.5**	**19.3**	**25,700**
SAIA-SB/SG02	SAIA-SB/SG02-02	04/01/2013	N	2	2.5	<170	<170	<170	<170	<170	<340	<170	<170	<170	**11,000**	**0.93 J**	**2.3**	**108**	<0.53	**0.59**	**5,580**	**13.9**	**7.7**	**12.8**	**19,900**
SAIA-SB/SG02	SAIA-SB/SG02-05	04/01/2013	N	5	5.5	<190	<190	<190	<190	<190	<360	<190	<190	<190	**25,000**	**1.3 J**	**4.4**	**217**	**0.59**	**1.2**	**13,100**	**32.4**	**15.9**	**29**	**36,600**
SAIA-SB/SG02	SAIA-SB/SG02-15	04/01/2013	N	15	15.5	<210	<210	<210	<210	<210	<400	<210	<210	<210	**16,200**	**1.5 J**	**3.2**	**163**	<0.56	**0.88**	**8,730**	**22.8**	**11.7**	**20.9**	**27,200**
SAIA-SB/SG02	SAIA-SB/SG02-25	04/01/2013	N	25	25.5	<200	<200	<200	<200	<200	<390	<200	<200	<200	**26,800**	**1.1 J**	**7.6**	**216**	**0.68**	**1.2**	**16,600**	**35.6**	**17.4**	**35.1**	**38,900**
SAIA-SB/SG02	SAIA-SB/SG02-35	04/01/2013	N	35	35.5	<190	<190	<190	<190	<190	<370	<190	<190	<190	**11,000**	<8.04	**8.3**	**92.9**	<0.67	<0.67	**7,660**	**23.9**	**6.8**	**12.6**	**19,800**
SAIA-SB/SG03	SAIA-SB/SG03-0.5	04/01/2013	N	0.5	1	<200	**78 J**	<200	<200	<200	<380	**95 J**	<200	<200	**11,300**	**2.7 J**	**3.1**	**102**	<0.50	**0.69**	**10,300**	**23.6**	**8.3**	**228**	**20,800**
SAIA-SB/SG03	SAIA-SB/SG03-02	04/01/2013	N	2	2.5	<180	**1,500 J**	<180	<180	<180	<350	**1,900 J**	<180	<180	**9,640**	**0.98 J**	**2.2**	**86.6**	<0.45	**0.58**	**7,710**	**18.5**	**7**	**13.5**	**19,400**
SAIA-SB/SG03	SAIA-SB/SG03-03	04/01/2013	FD	3	3.5	<180	**1,400 J**	<180	<180	<180	<360	**1,500 J**	<180	<180	**10,000**	**1.3 J**	**2.5**	**88.9**	<0.51	**0.58**	**7,140**	**17.7**	**7**	**15.5**	**18,900**
SAIA-SB/SG03	SAIA-SB/SG03-05	04/01/2013	N	5	5.5	<220	**7,300 J**	<220	<220	<220	<420	**3,700 J**	<220	<220	**23,300**	**1.5 J**	**4.5**	**186**	**0.59**	**1.1**	**13,000**	**29.4**	**14.6**	**34.1**	**31,500**
SAIA-SB/SG03	SAIA-SB/SG03-15	04/01/2013	N	15	15.5	<210	<210	<210	<210	<210	<400	<210	<210	<210	**20,600**	**1.3 J**	**2.7**	**162**	<0.55	**0.89**	**12,800**	**25.6**	**12.1**	**33.2**	**27,900**
SAIA-SB/SG03	SAIA-SB/SG03-25	04/01/2013	N	25	25.5	<230	**2,100**	<230	<230	<230	<440	**2,300**	<230	<230	**18,800**	**1.1 J**	**7.2**	**165**	<0.46	**0.79**	**8,520**	**26.3**	**12.1**	**25**	**27,500**
SAIA-SB/SG03	SAIA-SB/SG03-35	04/01/2013	N	35	35.5	<200	<200	<200	<200	<200	<390	<200	<200	<200	**9,910**	**0.69 J**	**7.8**	**91.5**	<0.51	<0.51	**5,060**	**13.2**	**6.7**	**12.1**	**17,400**
SAIA-SB/SG04	SAIA-SB/SG04-0.5	04/01/2013	N	0.5	1	<180	<180	<180	<180	<180	<360	<180	<180	<180	**15,900**	**2.2 J**	**4.3**	**143**	<0.45	**0.87**	**8,310**	**24.7**	**10.6**	**30.1**	**27,500**
SAIA-SB/SG04	SAIA-SB/SG04-02	04/01/2013	N	2	2.5	<180	<180	<180	<180	<180	<340	<180	<180	<180	**11,900**	**0.67 J**	**2.2**	**106**	<0.48	**0.65**	**7,090**	**16.7**	**8.3**	**13.4**	**22,300**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG01	SAIA-SB/SG01-0.5	04/05/2013	N	0.5	1	**69.6 J**	**7570**	**355**	**16.4**	**4570**	<3.44	<0.98	<491	<2.45	**45.3**	**77.3**	**0.078 J**	<36	<36	<36	<36	<36
SAIA-SB/SG01	SAIA-SB/SG01-02	04/05/2013	N	2	2.5	**6.1 J**	**7,940**	**364**	**16.6**	**4,430**	<3.65	<1.04	<522	<2.61	**51**	**72.3**	**0.027 J**	<36	<36	<36	<36	<36
SAIA-SB/SG01	SAIA-SB/SG01-05	04/05/2013	N	5	5.5	**3.9 J**	**7,200**	**325**	**12.3**	**4,020**	<3.07	<0.88	<438	<2.19	**42.5**	**60**	**0.059 J**	<35	<35	<35	<35	<35
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	6	6.5	--	--	--	--	--	--	--	--	--	--	--	--	<34	<34	<34	<34	<34
SAIA-SB/SG01	SAIA-SB/SG01-15	04/05/2013	N	15	15.5	**12.4 J**	**14,500**	**502**	**28.9**	**5,490**	<4.49	<1.28	**2,750**	<3.21	**74.8**	**106**	**0.14 J**	<43	<43	<43	<43	<43
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	16	16.5	**4.4 J**	**7,070**	**325**	**12.2**	**4,000**	<3.07	<0.88	<438	<2.19	**43.3**	**57.9**	**0.026 J**	--	--	--	--	--
SAIA-SB/SG01	SAIA-SB/SG01-25	04/05/2013	N	25	25.5	**4.2 J**	**11,200**	**567**	**18.9**	**5,720**	<3.66	<1.05	**870**	<2.61	**52.3**	**79.7**	**0.072 J**	<41	<41	<41	<41	<41
SAIA-SB/SG01	SAIA-SB/SG01-35	04/05/2013	N	35	35.5	**1.6 J**	**4,430**	**218**	**6**	**2,170**	<3.47	<0.99	<496	<2.48	**28.4**	**33.2**	**0.022 J**	<34	<34	<34	<34	<34
SAIA-SB/SG02	SAIA-SB/SG02-0.5	04/01/2013	N	0.5	1	**70.6**	**8,150**	**368**	**13.4**	**5,340**	<3.47	<0.99	**583**	<2.48	**47.9**	**86.3**	**0.1 J**	<35	<35	<35	<35	<35
SAIA-SB/SG02	SAIA-SB/SG02-02	04/01/2013	N	2	2.5	**20.4**	**6,030**	**276**	**9.4**	**3,660**	<3.69	<1.05	<527	<2.63	**39.2**	**53.7**	**0.032 J**	<34	<34	<34	<34	<34
SAIA-SB/SG02	SAIA-SB/SG02-05	04/01/2013	N	5	5.5	**6.3**	**12,500**	**565**	**22.6**	**6,810**	<3.76	<1.08	**632**	<2.69	**69.4**	**92.9**	**0.057 J**	<36	<36	<36	<36	<36
SAIA-SB/SG02	SAIA-SB/SG02-15	04/01/2013	N	15	15.5	**41.6**	**9,010**	**412**	**15.3**	**5,290**	<3.89	<1.11	<556	<2.78	**50.9**	**92.7**	**0.038 J**	<40	<40	<40	<40	<40
SAIA-SB/SG02	SAIA-SB/SG02-25	04/01/2013	N	25	25.5	**6.4**	**13,100**	**713**	**24.6**	**5,860**	<3.39	<0.97	**1,750**	<2.42	**65**	**89.7**	**0.078 J**	<39	<39	<39	<39	<39
SAIA-SB/SG02	SAIA-SB/SG02-35	04/01/2013	N	35	35.5	**3.3**	**5,470**	**271**	**9.1**	**2,710**	<4.69	<1.34	<670	<3.35	**37.7**	**46.5**	**0.02 J**	<37	<37	<37	<37	<37
SAIA-SB/SG03	SAIA-SB/SG03-0.5	04/01/2013	N	0.5	1	**94.6**	**5,850**	**280**	**19**	**3,600**	<3.47	<0.99	<496	<2.48	**35.6**	**107**	**0.024 J**	<38	<38	<38	<38	<38
SAIA-SB/SG03	SAIA-SB/SG03-02	04/01/2013	N	2	2.5	**4**	**5,140**	**245**	**8.4**	**2,920**	<3.14	<0.90	<449	<2.24	**37.2**	**42.1**	**0.013 J**	<36	<36	<36	<36	<36
SAIA-SB/SG03	SAIA-SB/SG03-03	04/01/2013	FD	3	3.5	**3.9**	**5,260**	**250**	**8.7**	**3,000**	<3.54	<1.01	<505	<2.53	**35.4**	**44.5**	**0.012 J**	<36	<36	<36	<36	<36
SAIA-SB/SG03	SAIA-SB/SG03-05	04/01/2013	N	5	5.5	**7.3**	**11,300**	**513**	**21.4**	**5,310**	<3.69	<1.05	**585**	<2.64	**60.7**	**80.8**	**0.028 J**	<41	<41	<41	<41	<41
SAIA-SB/SG03	SAIA-SB/SG03-15	04/01/2013	N	15	15.5	**4.4**	**10,000**	**386**	**17.1**	**4,860**	<3.82	<1.09	**1,020**	<2.73	**55**	**71**	**0.036 J**	<40	<40	<40	<40	<40
SAIA-SB/SG03	SAIA-SB/SG03-25	04/01/2013	N	25	25.5	**4.9**	**9,530**	**460**	**18.9**	**4,130**	<3.22	<0.92	**1,060**	<2.30	**47.4**	**66.9**	**0.17 J**	<44	<44	<44	<44	<44
SAIA-SB/SG03	SAIA-SB/SG03-35	04/01/2013	N	35	35.5	**1.8**	**5,270**	**242**	**7.8**	**2,810**	<3.60	<1.03	<514	<2.57	**31.9**	**50**	**0.021 J**	<40	<40	<40	<40	<40
SAIA-SB/SG04	SAIA-SB/SG04-0.5	04/01/2013	N	0.5	1	**116**	**9,520**	**702**	**21.9**	**5,150**	<3.14	<0.90	<448	<2.24	**48**	**78.6**	**0.025 J**	<35	<35	<35	<35	<35
SAIA-SB/SG04	SAIA-SB/SG04-02	04/01/2013	N	2	2.5	**4.7**	**6,650**	**326**	**11**	**3,630**	<3.34	<0.95	<477	<2.38	**42.5**	**49.8**	**0.027 J**	<35	<35	<35	<35	<35

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG01	SAIA-SB/SG01-0.5	04/05/2013	N	0.5	1	<36	<36	<36	<36
SAIA-SB/SG01	SAIA-SB/SG01-02	04/05/2013	N	2	2.5	<36	<36	<36	<36
SAIA-SB/SG01	SAIA-SB/SG01-05	04/05/2013	N	5	5.5	<35	<35	<35	<35
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	6	6.5	<34	<34	<34	<34
SAIA-SB/SG01	SAIA-SB/SG01-15	04/05/2013	N	15	15.5	<43	<43	<43	<43
SAIA-SB/SG01	SAIA-SB/SG01-06	04/05/2013	FD	16	16.5	--	--	--	--
SAIA-SB/SG01	SAIA-SB/SG01-25	04/05/2013	N	25	25.5	<41	<41	<41	<41
SAIA-SB/SG01	SAIA-SB/SG01-35	04/05/2013	N	35	35.5	<34	<34	<34	<34
SAIA-SB/SG02	SAIA-SB/SG02-0.5	04/01/2013	N	0.5	1	<35	<35	<35	<35
SAIA-SB/SG02	SAIA-SB/SG02-02	04/01/2013	N	2	2.5	<34	<34	<34	<34
SAIA-SB/SG02	SAIA-SB/SG02-05	04/01/2013	N	5	5.5	<36	<36	<36	<36
SAIA-SB/SG02	SAIA-SB/SG02-15	04/01/2013	N	15	15.5	<40	<40	<40	<40
SAIA-SB/SG02	SAIA-SB/SG02-25	04/01/2013	N	25	25.5	<39	<39	<39	<39
SAIA-SB/SG02	SAIA-SB/SG02-35	04/01/2013	N	35	35.5	<37	<37	<37	<37
SAIA-SB/SG03	SAIA-SB/SG03-0.5	04/01/2013	N	0.5	1	<38	<38	<38	<38
SAIA-SB/SG03	SAIA-SB/SG03-02	04/01/2013	N	2	2.5	<36	<36	<36	<36
SAIA-SB/SG03	SAIA-SB/SG03-03	04/01/2013	FD	3	3.5	<36	<36	<36	<36
SAIA-SB/SG03	SAIA-SB/SG03-05	04/01/2013	N	5	5.5	<41	<41	<41	<41
SAIA-SB/SG03	SAIA-SB/SG03-15	04/01/2013	N	15	15.5	<40	<40	<40	<40
SAIA-SB/SG03	SAIA-SB/SG03-25	04/01/2013	N	25	25.5	<44	<44	<44	<44
SAIA-SB/SG03	SAIA-SB/SG03-35	04/01/2013	N	35	35.5	<40	<40	<40	<40
SAIA-SB/SG04	SAIA-SB/SG04-0.5	04/01/2013	N	0.5	1	<35	<35	<35	<35
SAIA-SB/SG04	SAIA-SB/SG04-02	04/01/2013	N	2	2.5	<35	<35	<35	<35

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																					
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG04	SAIA-SB/SG04-05	04/01/2013	N	5	5.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<150	<15	<15	<15	<15	<7.5
SAIA-SB/SG04	SAIA-SB/SG04-15	04/01/2013	N	15	15.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG04	SAIA-SB/SG04-25	04/01/2013	N	25	25.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG04	SAIA-SB/SG04-35	04/01/2013	N	35	35.5	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<92	<9.2	<9.2	<9.2	<9.2	<4.6
SAIA-SB/SG05	SAIA-SB/SG05-0.5	04/02/2013	N	0.5	1	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<120	<12	<12	<12	<12	<6
SAIA-SB/SG05	SAIA-SB/SG05-02	04/02/2013	N	2	2.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG05	SAIA-SB/SG05-05	04/02/2013	N	5	5.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG05	SAIA-SB/SG05-15	04/02/2013	N	15	15.5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG05	SAIA-SB/SG05-25	04/02/2013	N	25	25.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<120	<12	<12	<12	<12	<6
SAIA-SB/SG05	SAIA-SB/SG05-35	04/02/2013	N	35	35.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG06	SAIA-SB/SG06-0.5	04/03/2013	N	0.5	1	<6.2	<6.2	<6.2	<6.2	**1.4 J**	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	**54**	<6.2
SAIA-SB/SG06	SAIA-SB/SG06-02	04/03/2013	N	2	2.5	<5.3	<5.3	<5.3	<5.3	**0.85 J**	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	**22**	<5.3
SAIA-SB/SG06	SAIA-SB/SG06-05	04/03/2013	N	5	5.5	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<130	<13	<13	<13	**28**	<6.6
SAIA-SB/SG06	SAIA-SB/SG11-06	04/03/2013	FD	6	6.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	<11	<5.7
SAIA-SB/SG06	SAIA-SB/SG06-15	04/03/2013	N	15	15.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG06	SAIA-SB/SG06-25	04/03/2013	N	25	25.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<10	<10	<10	<10	<5
SAIA-SB/SG06	SAIA-SB/SG06-35	04/03/2013	N	35	35.5	<6	<6	<6	<6	**0.93 J**	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<120	<12	<12	<12	<12	<6
SAIA-SB/SG07	SAIA-SB/SG07-0.5	04/02/2013	N	0.5	1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG07	SAIA-SB/SG07-02	04/02/2013	N	2	2.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<100	<10	<10	<10	<10	<5.2
SAIA-SB/SG07	SAIA-SB/SG07-05	04/02/2013	N	5	5.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<10	<10	<10	<10	<5
SAIA-SB/SG07	SAIA-SB/SG07-15	04/02/2013	N	15	15.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG07	SAIA-SB/SG07-25	04/02/2013	N	25	25.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG07	SAIA-SB/SG07-35	04/02/2013	N	35	35.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																							
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG04	SAIA-SB/SG04-05	04/01/2013	N	5	5.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	**4.3 J**	<7.5	<7.5	<7.5	<7.5	<7.5
SAIA-SB/SG04	SAIA-SB/SG04-15	04/01/2013	N	15	15.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG04	SAIA-SB/SG04-25	04/01/2013	N	25	25.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG04	SAIA-SB/SG04-35	04/01/2013	N	35	35.5	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6
SAIA-SB/SG05	SAIA-SB/SG05-0.5	04/02/2013	N	0.5	1	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
SAIA-SB/SG05	SAIA-SB/SG05-02	04/02/2013	N	2	2.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG05	SAIA-SB/SG05-05	04/02/2013	N	5	5.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG05	SAIA-SB/SG05-15	04/02/2013	N	15	15.5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG05	SAIA-SB/SG05-25	04/02/2013	N	25	25.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
SAIA-SB/SG05	SAIA-SB/SG05-35	04/02/2013	N	35	35.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG06	SAIA-SB/SG06-0.5	04/03/2013	N	0.5	1	<6.2	<6.2	<6.2	<6.2	<6.2	**J**	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG06	SAIA-SB/SG06-02	04/03/2013	N	2	2.5	<5.3	**1 J**	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	**5.7**	**0.98 J**	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG06	SAIA-SB/SG06-05	04/03/2013	N	5	5.5	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	**2.8 J**	<6.6	<6.6	<6.6	**2.1 J**	<6.6	<6.6
SAIA-SB/SG06	SAIA-SB/SG11-06	04/03/2013	FD	6	6.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	**1 J**	<5.7	<5.7	<5.7	<5.7
SAIA-SB/SG06	SAIA-SB/SG06-15	04/03/2013	N	15	15.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**2.5 J**	**120**	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**3.7 J**	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG06	SAIA-SB/SG06-25	04/03/2013	N	25	25.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**23**	<5	<5	<5
SAIA-SB/SG06	SAIA-SB/SG06-35	04/03/2013	N	35	35.5	<6	**1.2 J**	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	**7.9**	**1.1 J**	<6	<6	<6	<6
SAIA-SB/SG07	SAIA-SB/SG07-0.5	04/02/2013	N	0.5	1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG07	SAIA-SB/SG07-02	04/02/2013	N	2	2.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
SAIA-SB/SG07	SAIA-SB/SG07-05	04/02/2013	N	5	5.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-SB/SG07	SAIA-SB/SG07-15	04/02/2013	N	15	15.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG07	SAIA-SB/SG07-25	04/02/2013	N	25	25.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG07	SAIA-SB/SG07-35	04/02/2013	N	35	35.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG04	SAIA-SB/SG04-05	04/01/2013	N	5	5.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<220	--	<220	<220	<220	<220	<220	<430	<220	<220	<220	<220	<220	<220	<430	<220
SAIA-SB/SG04	SAIA-SB/SG04-15	04/01/2013	N	15	15.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	<200	<200	<380	<200
SAIA-SB/SG04	SAIA-SB/SG04-25	04/01/2013	N	25	25.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG04	SAIA-SB/SG04-35	04/01/2013	N	35	35.5	<4.6	<4.6	<4.6	<4.6	**1.5 J**	<4.6	<4.6	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG05	SAIA-SB/SG05-0.5	04/02/2013	N	0.5	1	<6	<6	<6	<6	<6	<6	<6	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG05	SAIA-SB/SG05-02	04/02/2013	N	2	2.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG05	SAIA-SB/SG05-05	04/02/2013	N	5	5.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG05	SAIA-SB/SG05-15	04/02/2013	N	15	15.5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG05	SAIA-SB/SG05-25	04/02/2013	N	25	25.5	<6	<6	<6	<6	<6	<6	<6	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG05	SAIA-SB/SG05-35	04/02/2013	N	35	35.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG06	SAIA-SB/SG06-0.5	04/03/2013	N	0.5	1	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	**1,400**	<190	<370	<190
SAIA-SB/SG06	SAIA-SB/SG06-02	04/03/2013	N	2	2.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	**1,200 J**	<180	<350	<180
SAIA-SB/SG06	SAIA-SB/SG06-05	04/03/2013	N	5	5.5	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG06	SAIA-SB/SG11-06	04/03/2013	FD	6	6.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG06	SAIA-SB/SG06-15	04/03/2013	N	15	15.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	**2,400**	<200	<380	<200
SAIA-SB/SG06	SAIA-SB/SG06-25	04/03/2013	N	25	25.5	<5	<5	<5	<5	<5	<5	<5	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	<200	<200	<380	<200
SAIA-SB/SG06	SAIA-SB/SG06-35	04/03/2013	N	35	35.5	<6	<6	<6	<6	<6	<6	<6	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG07	SAIA-SB/SG07-0.5	04/02/2013	N	0.5	1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG07	SAIA-SB/SG07-02	04/02/2013	N	2	2.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG07	SAIA-SB/SG07-05	04/02/2013	N	5	5.5	<5	<5	<5	<5	<5	<5	<5	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG07	SAIA-SB/SG07-15	04/02/2013	N	15	15.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<210	<400	<210
SAIA-SB/SG07	SAIA-SB/SG07-25	04/02/2013	N	25	25.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<210	<400	<210
SAIA-SB/SG07	SAIA-SB/SG07-35	04/02/2013	N	35	35.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatile (ug/kg)																			
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG04	SAIA-SB/SG04-05	04/01/2013	N	5	5.5	<220	<430	<430	<220	<220	<220	<220	<220	<430	<430	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG04	SAIA-SB/SG04-15	04/01/2013	N	15	15.5	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG04	SAIA-SB/SG04-25	04/01/2013	N	25	25.5	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG04	SAIA-SB/SG04-35	04/01/2013	N	35	35.5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG05	SAIA-SB/SG05-0.5	04/02/2013	N	0.5	1	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG05	SAIA-SB/SG05-02	04/02/2013	N	2	2.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG05	SAIA-SB/SG05-05	04/02/2013	N	5	5.5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG05	SAIA-SB/SG05-15	04/02/2013	N	15	15.5	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG05	SAIA-SB/SG05-25	04/02/2013	N	25	25.5	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG05	SAIA-SB/SG05-35	04/02/2013	N	35	35.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG06	SAIA-SB/SG06-0.5	04/03/2013	N	0.5	1	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	**120 J**	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG06	SAIA-SB/SG06-02	04/03/2013	N	2	2.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG06	SAIA-SB/SG06-05	04/03/2013	N	5	5.5	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG06	SAIA-SB/SG11-06	04/03/2013	FD	6	6.5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG06	SAIA-SB/SG06-15	04/03/2013	N	15	15.5	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG06	SAIA-SB/SG06-25	04/03/2013	N	25	25.5	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG06	SAIA-SB/SG06-35	04/03/2013	N	35	35.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG07	SAIA-SB/SG07-0.5	04/02/2013	N	0.5	1	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG07	SAIA-SB/SG07-02	04/02/2013	N	2	2.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG07	SAIA-SB/SG07-05	04/02/2013	N	5	5.5	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG07	SAIA-SB/SG07-15	04/02/2013	N	15	15.5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG07	SAIA-SB/SG07-25	04/02/2013	N	25	25.5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG07	SAIA-SB/SG07-35	04/02/2013	N	35	35.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG04	SAIA-SB/SG04-05	04/01/2013	N	5	5.5	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG04	SAIA-SB/SG04-15	04/01/2013	N	15	15.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG04	SAIA-SB/SG04-25	04/01/2013	N	25	25.5	<200	<200	<200	<200	<200	<200	**84 J**	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG04	SAIA-SB/SG04-35	04/01/2013	N	35	35.5	<190	<190	<190	<190	<190	<190	**130 J**	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG05	SAIA-SB/SG05-0.5	04/02/2013	N	0.5	1	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG05	SAIA-SB/SG05-02	04/02/2013	N	2	2.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG05	SAIA-SB/SG05-05	04/02/2013	N	5	5.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG05	SAIA-SB/SG05-15	04/02/2013	N	15	15.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG05	SAIA-SB/SG05-25	04/02/2013	N	25	25.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG05	SAIA-SB/SG05-35	04/02/2013	N	35	35.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG06	SAIA-SB/SG06-0.5	04/03/2013	N	0.5	1	<190	<190	**98 J**	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	**250**	<190	<190	<190	<190	<190
SAIA-SB/SG06	SAIA-SB/SG06-02	04/03/2013	N	2	2.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	**230**	<180	<180	<180	<180	<180
SAIA-SB/SG06	SAIA-SB/SG06-05	04/03/2013	N	5	5.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG06	SAIA-SB/SG11-06	04/03/2013	FD	6	6.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG06	SAIA-SB/SG06-15	04/03/2013	N	15	15.5	<200	<200	**290**	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG06	SAIA-SB/SG06-25	04/03/2013	N	25	25.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG06	SAIA-SB/SG06-35	04/03/2013	N	35	35.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG07	SAIA-SB/SG07-0.5	04/02/2013	N	0.5	1	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG07	SAIA-SB/SG07-02	04/02/2013	N	2	2.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG07	SAIA-SB/SG07-05	04/02/2013	N	5	5.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG07	SAIA-SB/SG07-15	04/02/2013	N	15	15.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG07	SAIA-SB/SG07-25	04/02/2013	N	25	25.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG07	SAIA-SB/SG07-35	04/02/2013	N	35	35.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)										
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG04	SAIA-SB/SG04-05	04/01/2013	N	5	5.5	<220	<220	<220	<220	<220	<430	<220	<220	<220	**27,900**	**1.1 J**	**4.7**	**227**	**0.79**	**1.2**	**12,900**	**36.1**	**16.3**	**40.8**	**36,200**
SAIA-SB/SG04	SAIA-SB/SG04-15	04/01/2013	N	15	15.5	<200	<200	<200	<200	<200	<380	<200	<200	<200	**19,300**	**1.6 J**	**3.8**	**162**	<0.60	**0.99**	**14,300**	**35.7**	**13.2**	**27.8**	**30,300**
SAIA-SB/SG04	SAIA-SB/SG04-25	04/01/2013	N	25	25.5	<200	<200	<200	<200	<200	<390	<200	<200	<200	**26,300**	**1.5 J**	**13.6**	**236**	**0.64**	**1.4**	**31,300**	**31.2**	**15.3**	**34.7**	**34,500**
SAIA-SB/SG04	SAIA-SB/SG04-35	04/01/2013	N	35	35.5	<190	<190	<190	<190	<190	<370	<190	<190	<190	**8,960**	**0.95 J**	**4.1**	**92**	<0.47	**0.51**	**4,470**	**13.8**	**6.5**	**10.5**	**17,400**
SAIA-SB/SG05	SAIA-SB/SG05-0.5	04/02/2013	N	0.5	1	<190	<190	<190	<190	<190	<370	<190	<190	<190	**14,900**	<6.40	**3.5**	**141**	<0.53	**0.047 J**	**9,660**	**20.2**	**10.3**	**30.5**	**25,100**
SAIA-SB/SG05	SAIA-SB/SG05-02	04/02/2013	N	2	2.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**9,860**	<5.49	**1.8**	**95.4**	<0.46	<0.46	**5,340**	**11.5**	**6.6**	**11.6**	**17,100**
SAIA-SB/SG05	SAIA-SB/SG05-05	04/02/2013	N	5	5.5	<190	<190	<190	<190	<190	<370	<190	<190	<190	**17,400**	<5.67	**2.9**	**165**	<0.47	**0.054 J**	**9,170**	**22.9**	**12.3**	**22**	**27,000**
SAIA-SB/SG05	SAIA-SB/SG05-15	04/02/2013	N	15	15.5	<210	<210	<210	<210	<210	<410	<210	<210	<210	**17,500**	<5.65	**2.8**	**127**	<0.47	<0.47	**8,070**	**21.8**	**10.8**	**19.7**	**27,300**
SAIA-SB/SG05	SAIA-SB/SG05-25	04/02/2013	N	25	25.5	<200	<200	<200	<200	<200	<390	<200	<200	<200	**17,100**	<5.93	**4.3**	**164**	<0.49	**0.12 J**	**7,090**	**25.4**	**11.8**	**31.6 J**	**26,400**
SAIA-SB/SG05	SAIA-SB/SG05-35	04/02/2013	N	35	35.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**7,610**	<6.38	**8.7**	**63.9**	<0.53	<0.53	**4,310**	**9.1**	**5 J**	**8.8 J**	**13,600**
SAIA-SB/SG06	SAIA-SB/SG06-0.5	04/03/2013	N	0.5	1	<190	**250**	<190	<190	<190	<370	**420**	<190	<190	**14,600**	<6.48	**2.5**	**130**	<0.54	<0.54	**7,030**	**20.3**	**10.3**	**18.4**	**23,700**
SAIA-SB/SG06	SAIA-SB/SG06-02	04/03/2013	N	2	2.5	<180	**230 J**	<180	<180	<180	<350	**330**	<180	<180	**15,100**	<4.70	**1.6**	**168**	<0.39	<0.39	**5,940**	**18.4**	**12**	**15.1**	**24,600**
SAIA-SB/SG06	SAIA-SB/SG06-05	04/03/2013	N	5	5.5	<200	<200	<200	<200	<200	<390	<200	<200	<200	**19,800**	<6.50	**4.1**	**170**	<0.54	<0.54	**16,700**	**26.1**	**12.3**	**25.7**	**29,600**
SAIA-SB/SG06	SAIA-SB/SG11-06	04/03/2013	FD	6	6.5	<190	<190	<190	<190	<190	<370	<190	<190	<190	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG06	SAIA-SB/SG06-15	04/03/2013	N	15	15.5	<200	**630**	<200	<200	<200	<380	<200	<200	<200	**20,000**	<7.24	**3.6**	**163**	<0.60	<0.60	**18,100**	**25.2**	**13**	**25.6**	**30,200**
SAIA-SB/SG06	SAIA-SB/SG06-25	04/03/2013	N	25	25.5	<200	<200	<200	<200	<200	<380	<200	<200	<200	**17,300**	<6.57	**11.2**	**170**	<0.55	<0.55	**8,310**	**31.5**	**14.1**	**32.2**	**30,800**
SAIA-SB/SG06	SAIA-SB/SG06-35	04/03/2013	N	35	35.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**11,400**	<4.76	**10.5**	**103**	<0.40	<0.40	**5,290**	**12.9**	**8**	**11.6**	**16,800**
SAIA-SB/SG07	SAIA-SB/SG07-0.5	04/02/2013	N	0.5	1	<190	<190	<190	<190	<190	<370	<190	<190	<190	**15,900**	<6.12	**2.5**	**144**	<0.51	**0.038 J**	**7,240**	**21.4**	**11.1**	**19.7**	**25,900**
SAIA-SB/SG07	SAIA-SB/SG07-02	04/02/2013	N	2	2.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**10,600**	<5.34	**2.3**	**102**	<0.44	**0.035 J**	**5,370**	**12.9**	**7.5**	**12.9**	**17,200**
SAIA-SB/SG07	SAIA-SB/SG07-05	04/02/2013	N	5	5.5	<200	<200	<200	<200	<200	<390	<200	<200	<200	**19,200**	<6.85	**3.2**	**157**	<0.57	**0.059 J**	**12,800**	**24.7**	**12.2**	**25.1**	**28,700**
SAIA-SB/SG07	SAIA-SB/SG07-15	04/02/2013	N	15	15.5	<210	<210	<210	<210	<210	<400	<210	<210	<210	**24,000**	<5.73	**3.2**	**178**	**0.61**	**0.083 J**	**23,000**	**29.2**	**14.4**	**32.6**	**31,500**
SAIA-SB/SG07	SAIA-SB/SG07-25	04/02/2013	N	25	25.5	<210	<210	<210	<210	<210	<400	<210	<210	<210	**24,600**	<5.53	**9.9**	**204**	**0.72**	**0.019 J**	**11,700**	**38.4**	**19.4**	**53**	**36,500**
SAIA-SB/SG07	SAIA-SB/SG07-35	04/02/2013	N	35	35.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**9,440**	<6.39	**10.1**	**81**	<0.53	<0.53	**4,540**	**11**	**6.1**	**9.9**	**16,900**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG04	SAIA-SB/SG04-05	04/01/2013	N	5	5.5	**9**	**12,500**	**693**	**25.1**	**5,280**	<3.93	<1.12	**714**	<2.81	**65.6**	**90.6**	**0.11 J**	<43	<43	<43	<43	<43
SAIA-SB/SG04	SAIA-SB/SG04-15	04/01/2013	N	15	15.5	**4.8**	**9,980**	**478**	**26.9**	**4,730**	<4.17	<1.19	**1,690**	<2.98	**59.4**	**75.7**	**0.059 J**	<38	<38	<38	<38	<38
SAIA-SB/SG04	SAIA-SB/SG04-25	04/01/2013	N	25	25.5	**6.6**	**12,600**	**713**	**21.6**	**5,610**	<4.28	<1.22	**1,960**	<3.06	**69.6**	**84.1**	**0.06 J**	<39	<39	<39	<39	<39
SAIA-SB/SG04	SAIA-SB/SG04-35	04/01/2013	N	35	35.5	**1.9**	**5,280**	**230**	**7.7**	**2,950**	<3.27	<0.93	<467	<2.33	**31.8**	**63.5**	**0.02 J**	<37	<37	<37	<37	<37
SAIA-SB/SG05	SAIA-SB/SG05-0.5	04/02/2013	N	0.5	1	**128**	**8,070**	**361**	**13.7**	**5,200**	<3.73	<1.07	<533	<2.67	**45**	**76**	**0.025 J**	<36	<36	<36	<36	<36
SAIA-SB/SG05	SAIA-SB/SG05-02	04/02/2013	N	2	2.5	**4.4**	**5,220**	**231**	**7.6**	**3,270**	<3.20	<0.91	<457	<2.29	**31.1**	**40.8**	**0.034 J**	<35	<35	<35	<35	<35
SAIA-SB/SG05	SAIA-SB/SG05-05	04/02/2013	N	5	5.5	**4.6**	**9,390**	**439**	**16**	**5,300**	<3.31	<0.94	<472	<2.36	**51.2**	**71.7**	**0.034 J**	<37	<37	<37	<37	<37
SAIA-SB/SG05	SAIA-SB/SG05-15	04/02/2013	N	15	15.5	**4.4**	**8,850**	**360**	**14.9**	**4,040**	<3.30	<0.94	**1,470**	<2.35	**49.6**	**63.9**	**0.056 J**	<41	<41	<41	<41	<41
SAIA-SB/SG05	SAIA-SB/SG05-25	04/02/2013	N	25	25.5	**5.7**	**8,540**	**431**	**18.2**	**3,880**	<3.46	<0.99	**1,730**	<2.47	**47.9**	**63.1**	**0.086 J**	<39	<39	<39	<39	<39
SAIA-SB/SG05	SAIA-SB/SG05-35	04/02/2013	N	35	35.5	**1.8**	**3,920**	**190**	**5.6**	**1,880**	<3.72	<1.06	**540**	<2.66	**25.6**	**30.8**	**0.024 J**	<35	<35	<35	<35	<35
SAIA-SB/SG06	SAIA-SB/SG06-0.5	04/03/2013	N	0.5	1	**3.3**	**7,610**	**340**	**13.2**	**4,210**	<3.78	<1.08	<540	<2.70	**44.6**	**59.6**	**0.049 J**	<36	<36	<36	<36	**310**
SAIA-SB/SG06	SAIA-SB/SG06-02	04/03/2013	N	2	2.5	**3.8**	**9,090**	**417**	**13.7**	**5,770**	<2.74	<0.78	<392	<1.96	**45.8**	**67.5**	**0.034 J**	<35	<35	<35	<35	<35
SAIA-SB/SG06	SAIA-SB/SG06-05	04/03/2013	N	5	5.5	**6.1**	**9,470**	**635**	**17.5**	**4,200**	<3.79	<1.08	<542	<2.71	**54.7**	**69**	**0.069 J**	<39	<39	<39	<39	<39
SAIA-SB/SG06	SAIA-SB/SG11-06	04/03/2013	FD	6	6.5	--	--	--	--	--	--	--	--	--	--	--	--	<37	<37	<37	<37	<37
SAIA-SB/SG06	SAIA-SB/SG06-15	04/03/2013	N	15	15.5	**5.1**	**10,700**	**596**	**17.7**	**5,100**	<4.23	<1.21	<604	<3.02	**54.6**	**75.2**	**0.036 J**	<38	<38	<38	<38	<38
SAIA-SB/SG06	SAIA-SB/SG06-25	04/03/2013	N	25	25.5	**7.2**	**10,800**	**534**	**25.2**	**3,940**	<3.83	<1.10	<548	<2.74	**47.9**	**73.9**	**0.14**	<38	<38	<38	<38	<38
SAIA-SB/SG06	SAIA-SB/SG06-35	04/03/2013	N	35	35.5	**2.2**	**5,980**	**261**	**9**	**2,940**	<2.77	<0.79	<396	<1.98	**28.7**	**45.9**	**0.038 J**	<35	<35	<35	<35	<35
SAIA-SB/SG07	SAIA-SB/SG07-0.5	04/02/2013	N	0.5	1	**4.7**	**8,300**	**377**	**14.6**	**5,040**	<3.57	<1.02	<510	<2.55	**47.3**	**66.3**	**0.026 J**	<37	<37	<37	<37	<37
SAIA-SB/SG07	SAIA-SB/SG07-02	04/02/2013	N	2	2.5	**2.7**	**5,780**	**266**	**9.6**	**3,490**	<3.12	<0.89	<445	<2.23	**30.8**	**45.4**	**0.024 J**	<35	<35	<35	<35	<35
SAIA-SB/SG07	SAIA-SB/SG07-05	04/02/2013	N	5	5.5	**5.3**	**9,040**	**481**	**17**	**4,580**	<3.99	<1.14	<571	<2.85	**52.4**	**69.4**	**0.063 J**	<39	<39	<39	<39	<39
SAIA-SB/SG07	SAIA-SB/SG07-15	04/02/2013	N	15	15.5	**6.6**	**12,300**	**587**	**20.3**	**4,920**	<3.34	<0.96	**603**	<2.39	**59.6**	**82.2**	**0.047 J**	<40	<40	<40	<40	<40
SAIA-SB/SG07	SAIA-SB/SG07-25	04/02/2013	N	25	25.5	**12.3**	**12,200**	**621**	**29.5**	**3,800**	<3.22	<0.92	**1,130**	<2.30	**65.2**	**83**	**0.064 J**	<40	<40	<40	<40	<40
SAIA-SB/SG07	SAIA-SB/SG07-35	04/02/2013	N	35	35.5	**2.2**	**4,990**	**233**	**7.1**	**2,640**	<3.73	<1.07	<533	<2.66	**30.6**	**37.9**	**0.024 J**	<35	<35	<35	<35	<35

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG04	SAIA-SB/SG04-05	04/01/2013	N	5	5.5	<43	<43	<43	<43
SAIA-SB/SG04	SAIA-SB/SG04-15	04/01/2013	N	15	15.5	<38	<38	<38	<38
SAIA-SB/SG04	SAIA-SB/SG04-25	04/01/2013	N	25	25.5	<39	<39	<39	<39
SAIA-SB/SG04	SAIA-SB/SG04-35	04/01/2013	N	35	35.5	<37	<37	<37	<37
SAIA-SB/SG05	SAIA-SB/SG05-0.5	04/02/2013	N	0.5	1	<36	<36	<36	<36
SAIA-SB/SG05	SAIA-SB/SG05-02	04/02/2013	N	2	2.5	<35	<35	<35	<35
SAIA-SB/SG05	SAIA-SB/SG05-05	04/02/2013	N	5	5.5	<37	<37	<37	<37
SAIA-SB/SG05	SAIA-SB/SG05-15	04/02/2013	N	15	15.5	<41	<41	<41	<41
SAIA-SB/SG05	SAIA-SB/SG05-25	04/02/2013	N	25	25.5	<39	<39	<39	<39
SAIA-SB/SG05	SAIA-SB/SG05-35	04/02/2013	N	35	35.5	<35	<35	<35	<35
SAIA-SB/SG06	SAIA-SB/SG06-0.5	04/03/2013	N	0.5	1	**320**	<36	<36	<36
SAIA-SB/SG06	SAIA-SB/SG06-02	04/03/2013	N	2	2.5	**16 J**	<35	<35	<35
SAIA-SB/SG06	SAIA-SB/SG06-05	04/03/2013	N	5	5.5	**3.7 J**	<39	<39	<39
SAIA-SB/SG06	SAIA-SB/SG11-06	04/03/2013	FD	6	6.5	<37	<37	<37	<37
SAIA-SB/SG06	SAIA-SB/SG06-15	04/03/2013	N	15	15.5	**79**	<38	<38	<38
SAIA-SB/SG06	SAIA-SB/SG06-25	04/03/2013	N	25	25.5	<38	<38	<38	<38
SAIA-SB/SG06	SAIA-SB/SG06-35	04/03/2013	N	35	35.5	<35	<35	<35	<35
SAIA-SB/SG07	SAIA-SB/SG07-0.5	04/02/2013	N	0.5	1	<37	<37	<37	<37
SAIA-SB/SG07	SAIA-SB/SG07-02	04/02/2013	N	2	2.5	<35	<35	<35	<35
SAIA-SB/SG07	SAIA-SB/SG07-05	04/02/2013	N	5	5.5	<39	<39	<39	<39
SAIA-SB/SG07	SAIA-SB/SG07-15	04/02/2013	N	15	15.5	<40	<40	<40	<40
SAIA-SB/SG07	SAIA-SB/SG07-25	04/02/2013	N	25	25.5	<40	<40	<40	<40
SAIA-SB/SG07	SAIA-SB/SG07-35	04/02/2013	N	35	35.5	<35	<35	<35	<35

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																				
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG08	SAIA-SB/SG08-0.5	04/03/2013	N	0.5	1	<5.5	<5.5	<5.5	<5.5	**8.2**	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	2	2.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<130	<13	<13	<13	<13	<6.4
SAIA-SB/SG08	SAIA-SB/SG08-05	04/03/2013	N	5	5.5	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<89	<8.9	<8.9	<8.9	<8.9	<4.4
SAIA-SB/SG08	SAIA-SB/SG08-06	04/03/2013	FD	6	6.5	<4.9	<4.9	<4.9	<4.9	**1.8 J**	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<98	<9.8	<9.8	<9.8	<9.8	<4.9
SAIA-SB/SG08	SAIA-SB/SG08-15	04/03/2013	N	15	15.5	<6.9	<6.9	<6.9	<6.9	**27**	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<140	<14	<14	<14	<14	<6.9
SAIA-SB/SG08	SAIA-SB/SG08-25	04/03/2013	N	25	25.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<130	<13	<13	<13	<13	<6.5
SAIA-SB/SG08	SAIA-SB/SG08-35	04/03/2013	N	35	35.5	<6.6	<6.6	<6.6	**1 J**	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<130	<13	<13	<13	<13	<6.6
SAIA-SB/SG09	SAIA-SB/SG09-0.5	04/05/2013	N	0.5	1	**240 J**	<54	<54	**110 J**	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<1100	<110	<110	<110	**260 J**	<54
SAIA-SB/SG09	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	**7.6**	<5.4	<5.4	<5.4	**1.6 J**	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG09	SAIA-SB/SG09-02	04/05/2013	N	2	2.5	**4.5 J**	<13	<13	**18 J**	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<260	<26	<26	<26	**62 J**	<13
SAIA-SB/SG09	SAIA-SB/SG09-05	04/05/2013	N	5	5.5	**13 J**	<14	<14	**16**	**18**	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<280	<28	<28	<28	**180**	<14
SAIA-SB/SG09	SAIA-SB/SG09-15	04/05/2013	N	15	15.5	**11 J**	<5.7	<5.7	<5.7	**100 J**	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	**34 J**	<5.7
SAIA-SB/SG09	SAIA-SB/SG09-25	04/05/2013	N	25	25.5	<7.2	<7.2	<7.2	<7.2	**270 J**	**19 J**	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	**4.1 J**	<7.2	<7.2	<7.2	<140	<14	<14	<14	<14	<7.2
SAIA-SB/SG09	SAIA-SB/SG09-35	04/05/2013	N	35	35.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	**1.1 J**	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<120	<12	<12	<12	**26**	<5.8
SAIA-SB/SG10	SAIA-SB/SG10-0.5	04/05/2013	N	0.5	1	**31**	<25	<25	<25	**7.1 J**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<510	<51	<51	<51	<51	<25
SAIA-SB/SG10	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG10	SAIA-SB/SG10-02	04/05/2013	N	2	2.5	**26**	<7	<7	<7	**9.7 J**	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<140	<14	<14	<14	<14	<7
SAIA-SB/SG10	SAIA-SB/SG10-05	04/05/2013	N	5	5.5	**19**	<6.9	<6.9	<6.9	**4.6 J**	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<140	<14	<14	<14	**31**	<6.9
SAIA-SB/SG10	SAIA-SB/SG10-15	04/05/2013	N	15	15.5	**59**	<14	<14	<14	**77 J**	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<290	<29	<29	<29	<29	<14
SAIA-SB/SG10	SAIA-SB/SG10-25	04/05/2013	N	25	25.5	<6.4	<6.4	<6.4	<6.4	**16**	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<130	<13	<13	<13	<13	<6.4
SAIA-SB/SG10	SAIA-SB/SG10-35	04/05/2013	N	35	35.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG11	SAIA-SB/SG11-0.5	04/03/2013	N	0.5	1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																						
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG08	SAIA-SB/SG08-0.5	04/03/2013	N	0.5	1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	**34**	<5.5	<5.5	<5.5	<5.5	**4.2 J**	**2.2 J**	**15**	<5.5	**2.7 J**	<5.5	**11**	<5.5	<5.5
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	2	2.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	**4.9 J**	<6.4	<6.4	<6.4	**3.9 J**	<6.4	<6.4
SAIA-SB/SG08	SAIA-SB/SG08-05	04/03/2013	N	5	5.5	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	**2.4 J**	<4.4	<4.4	<4.4	<4.4	**1.5 J**	<4.4	**6.1**	<4.4	<4.4	<4.4	**4.7**	<4.4	<4.4
SAIA-SB/SG08	SAIA-SB/SG08-06	04/03/2013	FD	6	6.5	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**12**	<4.9	<4.9	<4.9	<4.9	**2.9 J**	**2.1 J**	**11**	<4.9	<4.9	<4.9	**8.7**	<4.9	<4.9
SAIA-SB/SG08	SAIA-SB/SG08-15	04/03/2013	N	15	15.5	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	**720 J**	<6.9	<6.9	<6.9	<6.9	**54 J**	**55**	**140**	<6.9	<6.9	<6.9	**130**	**3.7 J**	<6.9
SAIA-SB/SG08	SAIA-SB/SG08-25	04/03/2013	N	25	25.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	**21**	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5
SAIA-SB/SG08	SAIA-SB/SG08-35	04/03/2013	N	35	35.5	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	**18**	<6.6	<6.6	<6.6
SAIA-SB/SG09	SAIA-SB/SG09-0.5	04/05/2013	N	0.5	1	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	<54	**96 J**	**89 J**	**190 J**	<54	<54	<54	**170 J**	<54	<54
SAIA-SB/SG09	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**86**	<5.4	**1.2 J**	<5.4	<5.4	**1.1 J**	**0.68 J**	**2.5 J**	<5.4	<5.4	<5.4	**1.9 J**	<5.4	<5.4
SAIA-SB/SG09	SAIA-SB/SG09-02	04/05/2013	N	2	2.5	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	**32 J**	<13	<13	<13	<13	**13 J**	**12 J**	**34 J**	<13	<13	<13	**31 J**	<13	<13
SAIA-SB/SG09	SAIA-SB/SG09-05	04/05/2013	N	5	5.5	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	**430**	<14	**5.4 J**	<14	<14	**8 J**	**8.1 J**	**20 J**	<14	<14	<14	**20 J**	<14	<14
SAIA-SB/SG09	SAIA-SB/SG09-15	04/05/2013	N	15	15.5	<5.7	<5.7	<5.7	<5.7	**0.96 J**	<5.7	<5.7	<5.7	<5.7	<5.7	**590 J**	<5.7	**2.4 J**	<5.7	<5.7	**46 J**	**100 J**	**80 J**	<5.7	<5.7	<5.7	**190 J**	**5.5 J**	<5.7
SAIA-SB/SG09	SAIA-SB/SG09-25	04/05/2013	N	25	25.5	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	**65,000 J**	<7.2	<7.2	<7.2	<7.2	**76 J**	**120 J**	**2,600 J**	<7.2	<7.2	<7.2	**280 J**	**8 J**	<7.2
SAIA-SB/SG09	SAIA-SB/SG09-35	04/05/2013	N	35	35.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	**4.8 J**	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	**6.3**	<5.8	<5.8	<5.8	<5.8	<5.8
SAIA-SB/SG10	SAIA-SB/SG10-0.5	04/05/2013	N	0.5	1	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**360**	<25	<25	<25	<25	**4 J**	<25	**11 J**	**9.7 J**	<25	<25	**7.9 J**	<25	<25
SAIA-SB/SG10	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG10	SAIA-SB/SG10-02	04/05/2013	N	2	2.5	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	**1,200 J**	<7	<7	<7	<7	**2.1 J**	**1.3 J**	**5.6 J**	<7	<7	<7	**3.9 J**	<7	<7
SAIA-SB/SG10	SAIA-SB/SG10-05	04/05/2013	N	5	5.5	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	**220**	<6.9	<6.9	<6.9	<6.9	**3.2 J**	**1.8 J**	**9.4**	**5.9 J**	<6.9	<6.9	**6.2 J**	<6.9	<6.9
SAIA-SB/SG10	SAIA-SB/SG10-15	04/05/2013	N	15	15.5	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	**9,900 J**	<14	<14	<14	<14	**4.9 J**	**5.9 J**	**17**	<14	**3 J**	<14	**14**	<14	<14
SAIA-SB/SG10	SAIA-SB/SG10-25	04/05/2013	N	25	25.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	**7.5**	<6.4	<6.4	**6 J**	**9.7**	**4 J**	<6.4	**30**	<6.4	**11**	<6.4	<6.4
SAIA-SB/SG10	SAIA-SB/SG10-35	04/05/2013	N	35	35.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	**42**	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	**5.8 J**	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG11	SAIA-SB/SG11-0.5	04/03/2013	N	0.5	1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	**4.7 J**	**1.1 J**	<5.5	<5.5	<5.5	<5.5

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG08	SAIA-SB/SG08-0.5	04/03/2013	N	0.5	1	**2.6 J**	**4.6 J**	<5.5	**2 J**	<5.5	<5.5	<5.5	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	**420**	<190	<370	<190
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	2	2.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<190	--	<190	<190	<190	<190	<190	<380	<190	<190	<190	<190	**450**	<190	<380	<190
SAIA-SB/SG08	SAIA-SB/SG08-05	04/03/2013	N	5	5.5	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	**2,100**	<170	<340	<170
SAIA-SB/SG08	SAIA-SB/SG08-06	04/03/2013	FD	6	6.5	<4.9	**2.1 J**	<4.9	<4.9	<4.9	<4.9	<4.9	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	**2,000**	<200	<390	<200
SAIA-SB/SG08	SAIA-SB/SG08-15	04/03/2013	N	15	15.5	**14**	**30**	<6.9	<6.9	**2,000**	<6.9	<6.9	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	**430**	<200	<380	<200
SAIA-SB/SG08	SAIA-SB/SG08-25	04/03/2013	N	25	25.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	<200	<200	<380	<200
SAIA-SB/SG08	SAIA-SB/SG08-35	04/03/2013	N	35	35.5	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	**2,300**	<210	<400	<210
SAIA-SB/SG09	SAIA-SB/SG09-0.5	04/05/2013	N	0.5	1	**330 J**	**57 J**	<54	<54	**32,000 J**	<54	<54	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	**2,700**	<180	<360	<180
SAIA-SB/SG09	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	**4.1 J**	<5.4	<5.4	<5.4	**120**	<5.4	<5.4	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	**630**	<190	<370	<190
SAIA-SB/SG09	SAIA-SB/SG09-02	04/05/2013	N	2	2.5	**50 J**	<13	<13	<13	**4,000 J**	<13	<13	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	**1,500**	<180	<360	<180
SAIA-SB/SG09	SAIA-SB/SG09-05	04/05/2013	N	5	5.5	**34 J**	<14	<14	<14	**3,000 J**	<14	<14	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	**2,200**	<190	<370	<190
SAIA-SB/SG09	SAIA-SB/SG09-15	04/05/2013	N	15	15.5	**34 J**	**31 J**	**2.8 J**	<5.7	**2,700 J**	<5.7	<5.7	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG09	SAIA-SB/SG09-25	04/05/2013	N	25	25.5	**27 J**	**88 J**	**33 J**	<7.2	**60,000 J**	<7.2	<7.2	<220	--	<220	<220	<220	<220	<220	<420	<220	<220	<220	<220	**110 J**	<220	<420	<220
SAIA-SB/SG09	SAIA-SB/SG09-35	04/05/2013	N	35	35.5	<5.8	<5.8	<5.8	<5.8	**26**	<5.8	<5.8	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<210	<400	<210
SAIA-SB/SG10	SAIA-SB/SG10-0.5	04/05/2013	N	0.5	1	**19 J**	<25	<25	<25	**480**	<25	<25	<190	--	<190	<190	<190	<190	<190	<360	<190	<190	<190	<190	**690**	<190	<360	<190
SAIA-SB/SG10	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG10	SAIA-SB/SG10-02	04/05/2013	N	2	2.5	**7.4**	<7	<7	<7	**210**	<7	<7	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	**1,500**	<180	<350	<180
SAIA-SB/SG10	SAIA-SB/SG10-05	04/05/2013	N	5	5.5	**4.7 J**	<6.9	<6.9	<6.9	**40**	<6.9	<6.9	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	**2,800 J**	<190	<370	<190
SAIA-SB/SG10	SAIA-SB/SG10-15	04/05/2013	N	15	15.5	<14	<14	**4.3 J**	<14	**5.2 J**	<14	<14	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	**1,700**	<210	<400	<210
SAIA-SB/SG10	SAIA-SB/SG10-25	04/05/2013	N	25	25.5	**4.6 J**	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG10	SAIA-SB/SG10-35	04/05/2013	N	35	35.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG11	SAIA-SB/SG11-0.5	04/03/2013	N	0.5	1	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatile (ug/kg)																			
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG08	SAIA-SB/SG08-0.5	04/03/2013	N	0.5	1	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	2	2.5	<190	<380	<380	<190	<190	<190	<190	<190	<380	<380	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG08	SAIA-SB/SG08-05	04/03/2013	N	5	5.5	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG08	SAIA-SB/SG08-06	04/03/2013	FD	6	6.5	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG08	SAIA-SB/SG08-15	04/03/2013	N	15	15.5	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG08	SAIA-SB/SG08-25	04/03/2013	N	25	25.5	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG08	SAIA-SB/SG08-35	04/03/2013	N	35	35.5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	**240**	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG09	SAIA-SB/SG09-0.5	04/05/2013	N	0.5	1	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG09	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	**110 J**
SAIA-SB/SG09	SAIA-SB/SG09-02	04/05/2013	N	2	2.5	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG09	SAIA-SB/SG09-05	04/05/2013	N	5	5.5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG09	SAIA-SB/SG09-15	04/05/2013	N	15	15.5	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG09	SAIA-SB/SG09-25	04/05/2013	N	25	25.5	<220	<420	<420	<220	<220	<220	<220	<220	<420	<420	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG09	SAIA-SB/SG09-35	04/05/2013	N	35	35.5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG10	SAIA-SB/SG10-0.5	04/05/2013	N	0.5	1	<190	<360	<360	<190	<190	<190	<190	<190	<360	<360	<190	<190	<190	<190	<190	<190	<190	<190	<190	**93 J**
SAIA-SB/SG10	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG10	SAIA-SB/SG10-02	04/05/2013	N	2	2.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG10	SAIA-SB/SG10-05	04/05/2013	N	5	5.5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG10	SAIA-SB/SG10-15	04/05/2013	N	15	15.5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG10	SAIA-SB/SG10-25	04/05/2013	N	25	25.5	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG10	SAIA-SB/SG10-35	04/05/2013	N	35	35.5	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG11	SAIA-SB/SG11-0.5	04/03/2013	N	0.5	1	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG08	SAIA-SB/SG08-0.5	04/03/2013	N	0.5	1	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	2	2.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG08	SAIA-SB/SG08-05	04/03/2013	N	5	5.5	<170	<170	**150 J**	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG08	SAIA-SB/SG08-06	04/03/2013	FD	6	6.5	<200	<200	**150 J**	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG08	SAIA-SB/SG08-15	04/03/2013	N	15	15.5	<200	<200	**170 J**	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	**170 J**	<200	<200	<200	<200
SAIA-SB/SG08	SAIA-SB/SG08-25	04/03/2013	N	25	25.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG08	SAIA-SB/SG08-35	04/03/2013	N	35	35.5	<210	<210	**270**	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	**520**	<210	<210	<210	<210
SAIA-SB/SG09	SAIA-SB/SG09-0.5	04/05/2013	N	0.5	1	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	**860**	<180	<180	<180	<180
SAIA-SB/SG09	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG09	SAIA-SB/SG09-02	04/05/2013	N	2	2.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG09	SAIA-SB/SG09-05	04/05/2013	N	5	5.5	<190	<190	**170 J**	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG09	SAIA-SB/SG09-15	04/05/2013	N	15	15.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG09	SAIA-SB/SG09-25	04/05/2013	N	25	25.5	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG09	SAIA-SB/SG09-35	04/05/2013	N	35	35.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG10	SAIA-SB/SG10-0.5	04/05/2013	N	0.5	1	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG10	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG10	SAIA-SB/SG10-02	04/05/2013	N	2	2.5	<180	<180	**240 J**	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	**160 J**	<180	<180	<180	<180
SAIA-SB/SG10	SAIA-SB/SG10-05	04/05/2013	N	5	5.5	<190	<190	**350 J**	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG10	SAIA-SB/SG10-15	04/05/2013	N	15	15.5	<210	<210	**100 J**	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	**120 J**	<210	<210	<210	<210
SAIA-SB/SG10	SAIA-SB/SG10-25	04/05/2013	N	25	25.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG10	SAIA-SB/SG10-35	04/05/2013	N	35	35.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG11	SAIA-SB/SG11-0.5	04/03/2013	N	0.5	1	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)										
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG08	SAIA-SB/SG08-0.5	04/03/2013	N	0.5	1	<190	**190**	<190	<190	<190	<370	**2,900 J**	<190	<190	**13,700**	<6.44	**1.7**	**123**	<0.54	**0.11 J**	**6,550**	**19.1**	**9.8**	**56.6**	**24,000**
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	**9,180**	<5.80	**1.8**	**96.3**	<0.48	<0.48	**4,120**	**10.9**	**6.7**	**16.5**	**15,700**
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	2	2.5	<190	**180 J**	<190	<190	<190	<380	**500**	<190	<190	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG08	SAIA-SB/SG08-05	04/03/2013	N	5	5.5	<170	**680**	<170	<170	<170	<340	**490**	<170	<170	**16,900**	<4.96	**3.1**	**136**	<0.41	**0.085 J**	**9,440**	**21.9**	**10.4**	**23**	**24,800**
SAIA-SB/SG08	SAIA-SB/SG08-06	04/03/2013	FD	6	6.5	<200	**730**	<200	<200	<200	<390	**500**	<200	<200	**22,500**	<6.62	**4.8**	**185**	**0.58**	**0.14 J**	**13,100**	**29**	**13.9**	**35**	**32,900**
SAIA-SB/SG08	SAIA-SB/SG08-15	04/03/2013	N	15	15.5	<200	**340**	<200	<200	<200	<380	**340 J**	<200	<200	**22,200**	<6.32	**3.3**	**179**	**0.53**	<0.53	**9,040**	**28.7**	**14.6**	**27.3**	**33,300**
SAIA-SB/SG08	SAIA-SB/SG08-25	04/03/2013	N	25	25.5	<200	<200	<200	<200	<200	<380	<200	<200	<200	**18,900**	<6.01	**5.5**	**152**	<0.50	<0.50	**9,250**	**26.5**	**12.1**	**24.5**	**30,800**
SAIA-SB/SG08	SAIA-SB/SG08-35	04/03/2013	N	35	35.5	<210	**520**	<210	<210	<210	<400	**900**	<210	<210	**7,610**	<5.60	**11.9**	**74.2**	<0.47	<0.47	**5,100**	**8.3**	**5.3**	**8.5**	**14,100**
SAIA-SB/SG09	SAIA-SB/SG09-0.5	04/05/2013	N	0.5	1	<180	**810**	<180	<180	<180	<360	**1,300**	<180	<180	**12,600**	**0.56 J**	**2.7**	**117**	**0.29 J**	**0.31 J**	**7,760**	**20.1**	**9.1**	**351**	**22,100 J**
SAIA-SB/SG09	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	<190	**180 J**	<190	<190	<190	<370	<190	<190	<190	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG09	SAIA-SB/SG09-02	04/05/2013	N	2	2.5	<180	<180	<180	<180	<180	<360	<180	<180	<180	**11,700**	<5.41	**2.2**	**107**	**0.28 J**	**0.078 J**	**5,900**	**15.8**	**8.2**	**14.8**	**20,400 J**
SAIA-SB/SG09	SAIA-SB/SG09-05	04/05/2013	N	5	5.5	<190	**600**	<190	<190	<190	<370	**490**	<190	<190	**18,700**	<6.83	**3.3**	**154**	**0.48 J**	**0.14 J**	**14,000**	**23.9**	**11.7**	**27.6**	**27,600 J**
SAIA-SB/SG09	SAIA-SB/SG09-15	04/05/2013	N	15	15.5	<200	<200	<200	<200	<200	<390	<200	<200	<200	**23,500**	<6.96	**3.9**	**189**	**0.59**	**0.13 J**	**11,000**	**29.9**	**15.3**	**33.4**	**33,900 J**
SAIA-SB/SG09	SAIA-SB/SG09-25	04/05/2013	N	25	25.5	<220	<220	<220	<220	<220	<420	**120 J**	<220	<220	**14,300**	<6.81	**6.6**	**127**	**0.31 J**	**0.094 J**	**10,700**	**22.3**	**10.7**	**20.8**	**26,200 J**
SAIA-SB/SG09	SAIA-SB/SG09-35	04/05/2013	N	35	35.5	<210	<210	<210	<210	<210	<400	<210	<210	<210	**30,200**	<7.02	**15.5**	**199**	**0.93**	**0.091 J**	**13,500**	**33.5**	**17.7**	**51.5**	**38,700 J**
SAIA-SB/SG10	SAIA-SB/SG10-0.5	04/05/2013	N	0.5	1	<190	**190**	<190	<190	<190	<360	<190	<190	<190	**13,100**	<5.27	**1.7**	**110**	**0.28 J**	**0.095 J**	**7,060**	**17.5**	**9**	**15.8**	**21,900 J**
SAIA-SB/SG10	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	**12,400**	<5.81	**1.7**	**108**	**0.24 J**	**0.076 J**	**6,230**	**17.5**	**8.9**	**14.8**	**21,900 J**
SAIA-SB/SG10	SAIA-SB/SG10-02	04/05/2013	N	2	2.5	<180	**320**	<180	<180	<180	<350	**280**	<180	<180	**9,270**	<5.94	**1.6**	**87.3**	**0.22 J**	**0.072 J**	**4,350**	**10.7**	**6.6**	**10.7**	**15,400 J**
SAIA-SB/SG10	SAIA-SB/SG10-05	04/05/2013	N	5	5.5	<190	**710 J**	<190	<190	<190	<370	**670 J**	<190	<190	**13,900**	<5.33	**2.5**	**123**	**0.34 J**	**0.12 J**	**7,460**	**18.9**	**9.5**	**19.7**	**22,400 J**
SAIA-SB/SG10	SAIA-SB/SG10-15	04/05/2013	N	15	15.5	<210	**480**	<210	<210	<210	<400	**280**	<210	<210	**18,900**	<5.66	**3.1**	**158**	**0.46 J**	<0.47	**8,210**	**24.5**	**12.3**	**23.1**	**28,900 J**
SAIA-SB/SG10	SAIA-SB/SG10-25	04/05/2013	N	25	25.5	<210	<210	<210	<210	<210	<410	<210	<210	<210	**20,500**	<6.44	**12.5**	**192**	**0.51 J**	**0.038 J**	**11,900**	**26.9**	**13.5**	**26.4**	**29,200 J**
SAIA-SB/SG10	SAIA-SB/SG10-35	04/05/2013	N	35	35.5	<210	<210	<210	<210	<210	<410	<210	<210	<210	**19,500**	<7.16	**5**	**171**	**0.49 J**	**0.18 J**	**10,000**	**25.8**	**12.7**	**30.5 J**	**28,700 J**
SAIA-SB/SG11	SAIA-SB/SG11-0.5	04/03/2013	N	0.5	1	<180	<180	<180	<180	<180	<350	<180	<180	<180	**10,100**	**1.1 J**	**8.1**	**85.5**	<0.51	**0.78**	**3,760**	**57**	**6.4**	**288**	**47,100**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
						Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG08	SAIA-SB/SG08-0.5	04/03/2013	N	0.5	1	**18.2**	**7,320**	**316**	**12.4**	**4,800**	<3.76	<1.07	<537	<2.68	**43**	**68**	**0.021 J**	<37	<37	<37	<37	**24,000**
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	1	1.5	**2.3**	**5,100**	**233**	**7.5**	**3,300**	<3.38	<0.97	<483	<2.42	**28.8**	**40.9**	**0.03 J**	--	--	--	--	--
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	2	2.5	--	--	--	--	--	--	--	--	--	--	--	--	<38	<38	<38	<38	**2,000**
SAIA-SB/SG08	SAIA-SB/SG08-05	04/03/2013	N	5	5.5	**5.1**	**7,510**	**387**	**14.5**	**4,000**	<2.89	<0.83	<413	<2.07	**45.7**	**57.8**	**0.034 J**	<34	<34	<34	<34	**330 J**
SAIA-SB/SG08	SAIA-SB/SG08-06	04/03/2013	FD	6	6.5	**6.9**	**10,000**	**513**	**20**	**5,140**	<3.86	<1.10	<552	<2.76	**60.3**	**78.2**	**0.077 J**	<39	<39	<39	<39	**340 J**
SAIA-SB/SG08	SAIA-SB/SG08-15	04/03/2013	N	15	15.5	**5.9**	**11,700**	**432**	**19.6**	**5,730**	<3.69	<1.05	**539**	<2.64	**63.3**	**85.9**	**0.033 J**	<38	<38	<38	<38	<38
SAIA-SB/SG08	SAIA-SB/SG08-25	04/03/2013	N	25	25.5	**4.7**	**8,720**	**447**	**16.1**	**3,880**	<3.51	<1.00	**520**	<2.50	**54.4**	**60.8**	**0.054 J**	<38	<38	<38	<38	<38
SAIA-SB/SG08	SAIA-SB/SG08-35	04/03/2013	N	35	35.5	**1.8**	**4,130**	**209**	**5.4**	**2,000**	<3.26	<0.93	<466	<2.33	**24.5**	**29.9**	**0.022 J**	<40	<40	<40	<40	<40
SAIA-SB/SG09	SAIA-SB/SG09-0.5	04/05/2013	N	0.5	1	**39.4 J**	**6,640**	**290**	**12.8**	**4,170**	<3.16	<0.90	<451	<2.254	**40**	**156**	**0.4 J**	<36	<36	<36	<36	<36
SAIA-SB/SG09	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	--	--	--	--	--	--	--	--	--	--	--	--	<37	<37	<37	<37	**360**
SAIA-SB/SG09	SAIA-SB/SG09-02	04/05/2013	N	2	2.5	**3.4 J**	**6,250**	**297**	**10.4**	**3,790**	<3.16	<0.90	<451	<2.26	**37.9**	**48.8**	**0.026 J**	<36	<36	<36	<36	<36
SAIA-SB/SG09	SAIA-SB/SG09-05	04/05/2013	N	5	5.5	**6.2 J**	**8,960**	**487**	**16.1**	**4,360**	<3.99	<1.14	<569	<2.85	**50.7**	**67.1**	**0.032 J**	<37	<37	<37	<37	<37
SAIA-SB/SG09	SAIA-SB/SG09-15	04/05/2013	N	15	15.5	**6.8 J**	**11,800**	**481**	**20.9**	**5,540**	<4.06	<1.16	<580	<2.90	**66**	**88.2**	**0.043 J**	<39	<39	<39	<39	<39
SAIA-SB/SG09	SAIA-SB/SG09-25	04/05/2013	N	25	25.5	**4.2 J**	**7,260**	**405**	**14.1**	**3,180**	<3.97	<1.13	<567	<2.84	**46.2**	**54**	**0.027 J**	<43	<43	<43	<43	<43
SAIA-SB/SG09	SAIA-SB/SG09-35	04/05/2013	N	35	35.5	**8.7 J**	**18,500**	**567**	**24.5**	**5,690**	<4.10	<1.17	**691**	<2.93	**71.6**	**96.4**	**0.12 J**	<40	<40	<40	<40	<40
SAIA-SB/SG10	SAIA-SB/SG10-0.5	04/05/2013	N	0.5	1	**19.5 J**	**6,640**	**289**	**11.3**	**4,230**	<3.07	<0.88	<439	<2.19	**41.3**	**55.8**	**0.016 J**	<36	<36	<36	<36	**400**
SAIA-SB/SG10	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	**11.4 J**	**6,510**	**289**	**11.2**	**4,170**	<3.39	<0.97	<485	<2.42	**40.4**	**53.9**	**0.044 J**	--	--	--	--	--
SAIA-SB/SG10	SAIA-SB/SG10-02	04/05/2013	N	2	2.5	**5.4 J**	**4,860**	**250**	**7.6**	**3,090**	<3.47	<0.99	<495	<2.48	**29.7**	**40.7**	**0.058 J**	<35	<35	<35	<35	**68**
SAIA-SB/SG10	SAIA-SB/SG10-05	04/05/2013	N	5	5.5	**6.9 J**	**6,830**	**326**	**12.4**	**3,710**	<3.11	<0.89	<445	<2.22	**41.7**	**54.7**	**0.023 J**	<37	<37	<37	<37	**310**
SAIA-SB/SG10	SAIA-SB/SG10-15	04/05/2013	N	15	15.5	**4.6 J**	**9,730**	**397**	**16.9**	**4,650**	<3.30	<0.94	<472	<2.36	**52.5**	**70.2**	**0.03 J**	<39	<39	<39	<39	<39
SAIA-SB/SG10	SAIA-SB/SG10-25	04/05/2013	N	25	25.5	**5.9 J**	**10,700**	**479**	**19.4**	**4,740**	<3.76	<1.07	<537	<2.68	**49.4**	**73.9**	**0.16 J**	<41	<41	<41	<41	<41
SAIA-SB/SG10	SAIA-SB/SG10-35	04/05/2013	N	35	35.5	**4.8 J**	**10,800**	**431 J**	**17.6**	**5,830**	<4.18	<1.19	<597	<2.98	**59.4**	**77**	**0.12 J**	<41	<41	<41	<41	<41
SAIA-SB/SG11	SAIA-SB/SG11-0.5	04/03/2013	N	0.5	1	**80**	**3,720**	**298**	**24.5**	**2,590**	<3.57	<1.02	<510	<2.55	**42.8**	**145**	**0.017 J**	<35	<35	<35	<35	**28 J**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG08	SAIA-SB/SG08-0.5	04/03/2013	N	0.5	1	<37	<37	<37	<37
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	1	1.5	--	--	--	--
SAIA-SB/SG08	SAIA-SB/SG08-02	04/03/2013	FD	2	2.5	<38	<38	<38	<38
SAIA-SB/SG08	SAIA-SB/SG08-05	04/03/2013	N	5	5.5	<34	<34	<34	<34
SAIA-SB/SG08	SAIA-SB/SG08-06	04/03/2013	FD	6	6.5	<39	<39	<39	<39
SAIA-SB/SG08	SAIA-SB/SG08-15	04/03/2013	N	15	15.5	<38	<38	<38	<38
SAIA-SB/SG08	SAIA-SB/SG08-25	04/03/2013	N	25	25.5	<38	<38	<38	<38
SAIA-SB/SG08	SAIA-SB/SG08-35	04/03/2013	N	35	35.5	<40	<40	<40	<40
SAIA-SB/SG09	SAIA-SB/SG09-0.5	04/05/2013	N	0.5	1	<36	<36	<36	<36
SAIA-SB/SG09	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	<37	<37	<37	<37
SAIA-SB/SG09	SAIA-SB/SG09-02	04/05/2013	N	2	2.5	<36	<36	<36	<36
SAIA-SB/SG09	SAIA-SB/SG09-05	04/05/2013	N	5	5.5	<37	<37	<37	<37
SAIA-SB/SG09	SAIA-SB/SG09-15	04/05/2013	N	15	15.5	<39	<39	<39	<39
SAIA-SB/SG09	SAIA-SB/SG09-25	04/05/2013	N	25	25.5	<43	<43	<43	<43
SAIA-SB/SG09	SAIA-SB/SG09-35	04/05/2013	N	35	35.5	<40	<40	<40	<40
SAIA-SB/SG10	SAIA-SB/SG10-0.5	04/05/2013	N	0.5	1	<36	<36	<36	<36
SAIA-SB/SG10	SAIA-SB/SG10-01	04/05/2013	FD	1	1.5	--	--	--	--
SAIA-SB/SG10	SAIA-SB/SG10-02	04/05/2013	N	2	2.5	<35	<35	<35	<35
SAIA-SB/SG10	SAIA-SB/SG10-05	04/05/2013	N	5	5.5	<37	<37	<37	<37
SAIA-SB/SG10	SAIA-SB/SG10-15	04/05/2013	N	15	15.5	<39	<39	<39	<39
SAIA-SB/SG10	SAIA-SB/SG10-25	04/05/2013	N	25	25.5	<41	<41	<41	<41
SAIA-SB/SG10	SAIA-SB/SG10-35	04/05/2013	N	35	35.5	<41	<41	<41	<41
SAIA-SB/SG11	SAIA-SB/SG11-0.5	04/03/2013	N	0.5	1	<35	<35	<35	<35

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																				
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG11	SAIA-SB/SG11-02	04/03/2013	N	2	2.5	<5.6	**0.75 J**	**0.71 J**	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	**0.76 J**	**0.71 J**	<5.6	**0.69 J**	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG11	SAIA-SB/SG11-05	04/03/2013	N	5	5.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG11	SAIA-SB/SG11-15	04/03/2013	N	15	15.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG11	SAIA-SB/SG11-16	04/03/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG11	SAIA-SB/SG11-25	04/03/2013	N	25	25.5	<5.3	<5.3	**0.75 J**	<5.3	**0.69 J**	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG11	SAIA-SB/SG11-35	04/03/2013	N	35	35.5	<5.1	<5.1	**0.8 J**	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG19	SAIA-SB19-0.5	04/16/2014	N	0.5	0.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG19	SAIA-SB19-0.6	04/16/2014	FD	0.5	0.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG19	SAIA-SB19-2	04/16/2014	N	2	2	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	**0.62 J**
SAIA-SB/SG19	SAIA-SB19-5	04/16/2014	N	5	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<99	<9.9	<9.9	<9.9	<9.9	<5
SAIA-SB/SG19	SAIA-SB19-6	04/16/2014	FD	5	5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG19	SAIA-SB19-15	04/16/2014	N	15	15	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<120	<12	<12	<12	<12	<5.8
SAIA-SB/SG19	SAIA-SB19-25	04/16/2014	N	25	25	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<130	<13	<13	<13	<13	<6.4
SAIA-SB/SG19	SAIA-SB19-35	04/16/2014	N	35	35	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2
SAIA-SB/SG20	SAIA-SB20-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-5	04/18/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-15	04/18/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-25	04/18/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-35	04/18/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-3	04/18/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																						
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG11	SAIA-SB/SG11-02	04/03/2013	N	2	2.5	<5.6	<5.6	**0.68 J**	<5.6	**0.69 J**	**J**	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	**5.1 J**	**1 J**	<5.6	<5.6	<5.6	**0.76 J**
SAIA-SB/SG11	SAIA-SB/SG11-05	04/03/2013	N	5	5.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	**6.4 J**	**1.1 J**	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG11	SAIA-SB/SG11-15	04/03/2013	N	15	15.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**0.92 J**	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG11	SAIA-SB/SG11-16	04/03/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG11	SAIA-SB/SG11-25	04/03/2013	N	25	25.5	<5.3	**0.76 J**	<5.3	<5.3	**0.72 J**	**J**	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	**0.71 J**	**0.73 J**	<5.3	<5.3	<5.3	**0.75 J**
SAIA-SB/SG11	SAIA-SB/SG11-35	04/03/2013	N	35	35.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG19	SAIA-SB19-0.5	04/16/2014	N	0.5	0.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG19	SAIA-SB19-0.6	04/16/2014	FD	0.5	0.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG19	SAIA-SB19-2	04/16/2014	N	2	2	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG19	SAIA-SB19-5	04/16/2014	N	5	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-SB/SG19	SAIA-SB19-6	04/16/2014	FD	5	5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG19	SAIA-SB19-15	04/16/2014	N	15	15	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
SAIA-SB/SG19	SAIA-SB19-25	04/16/2014	N	25	25	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	**1.3 J**	<6.4	**1.5 J**	<6.4	<6.4
SAIA-SB/SG19	SAIA-SB19-35	04/16/2014	N	35	35	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG20	SAIA-SB20-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-5	04/18/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-15	04/18/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-25	04/18/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-35	04/18/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-3	04/18/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG11	SAIA-SB/SG11-02	04/03/2013	N	2	2.5	<5.6	<5.6	<5.6	<5.6	<5.6	**0.73 J**	**0.84 J**	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG11	SAIA-SB/SG11-05	04/03/2013	N	5	5.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG11	SAIA-SB/SG11-15	04/03/2013	N	15	15.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<210	--	<210	<210	<210	<210	<210	<420	<210	<210	<210	<210	<210	<210	<420	<210
SAIA-SB/SG11	SAIA-SB/SG11-16	04/03/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG11	SAIA-SB/SG11-25	04/03/2013	N	25	25.5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<210	<400	<210
SAIA-SB/SG11	SAIA-SB/SG11-35	04/03/2013	N	35	35.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**0.97 J**	<190	--	<190	<190	<190	<190	<190	<360	<190	<190	<190	<190	<190	<190	<360	<190
SAIA-SB/SG19	SAIA-SB19-0.5	04/16/2014	N	0.5	0.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG19	SAIA-SB19-0.6	04/16/2014	FD	0.5	0.5	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG19	SAIA-SB19-2	04/16/2014	N	2	2	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180
SAIA-SB/SG19	SAIA-SB19-5	04/16/2014	N	5	5	<5	<5	<5	<5	<5	<5	<5	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG19	SAIA-SB19-6	04/16/2014	FD	5	5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG19	SAIA-SB19-15	04/16/2014	N	15	15	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<200	--	<200	<200	<200	<200	<200	<400	<200	<200	<200	<200	<200	<200	<400	<200
SAIA-SB/SG19	SAIA-SB19-25	04/16/2014	N	25	25	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG19	SAIA-SB19-35	04/16/2014	N	35	35	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG20	SAIA-SB20-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-5	04/18/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-15	04/18/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-25	04/18/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-35	04/18/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-3	04/18/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Semivolatile (ug/kg)																			
						3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG11	SAIA-SB/SG11-02	04/03/2013	N	2	2.5	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG11	SAIA-SB/SG11-05	04/03/2013	N	5	5.5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG11	SAIA-SB/SG11-15	04/03/2013	N	15	15.5	<210	<420	<420	<210	<210	<210	<210	<210	<420	<420	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG11	SAIA-SB/SG11-16	04/03/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG11	SAIA-SB/SG11-25	04/03/2013	N	25	25.5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG11	SAIA-SB/SG11-35	04/03/2013	N	35	35.5	<190	<360	<360	<190	<190	<190	<190	<190	<360	<360	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG19	SAIA-SB19-0.5	04/16/2014	N	0.5	0.5	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG19	SAIA-SB19-0.6	04/16/2014	FD	0.5	0.5	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG19	SAIA-SB19-2	04/16/2014	N	2	2	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG19	SAIA-SB19-5	04/16/2014	N	5	5	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG19	SAIA-SB19-6	04/16/2014	FD	5	5	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG19	SAIA-SB19-15	04/16/2014	N	15	15	<200	<400	<400	<200	<200	<200	<200	<200	<400	<400	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG19	SAIA-SB19-25	04/16/2014	N	25	25	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG19	SAIA-SB19-35	04/16/2014	N	35	35	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG20	SAIA-SB20-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-5	04/18/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-15	04/18/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-25	04/18/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-35	04/18/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-3	04/18/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG11	SAIA-SB/SG11-02	04/03/2013	N	2	2.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG11	SAIA-SB/SG11-05	04/03/2013	N	5	5.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG11	SAIA-SB/SG11-15	04/03/2013	N	15	15.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG11	SAIA-SB/SG11-16	04/03/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG11	SAIA-SB/SG11-25	04/03/2013	N	25	25.5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG11	SAIA-SB/SG11-35	04/03/2013	N	35	35.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG19	SAIA-SB19-0.5	04/16/2014	N	0.5	0.5	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG19	SAIA-SB19-0.6	04/16/2014	FD	0.5	0.5	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	**84 J**	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG19	SAIA-SB19-2	04/16/2014	N	2	2	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	**100 J**	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG19	SAIA-SB19-5	04/16/2014	N	5	5	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	**99 J**	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG19	SAIA-SB19-6	04/16/2014	FD	5	5	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	**85 J**	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG19	SAIA-SB19-15	04/16/2014	N	15	15	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	**98 J**	<200	<200	<200	<200
SAIA-SB/SG19	SAIA-SB19-25	04/16/2014	N	25	25	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	**220**	<200	<200	<200	<200
SAIA-SB/SG19	SAIA-SB19-35	04/16/2014	N	35	35	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG20	SAIA-SB20-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-5	04/18/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-15	04/18/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-25	04/18/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-35	04/18/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-3	04/18/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)										
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG11	SAIA-SB/SG11-02	04/03/2013	N	2	2.5	<180	<180	<180	<180	<180	<360	<180	<180	<180	**12,200**	<5.72	**3.5**	**111**	<0.48	<0.48	**5,170**	**20.4**	**10.2**	**56.7**	**25,300**
SAIA-SB/SG11	SAIA-SB/SG11-05	04/03/2013	N	5	5.5	<190	<190	<190	<190	<190	<370	<190	<190	<190	**19,200**	<6.64	**2.9**	**182**	<0.55	<0.55	**8,590**	**25.5**	**14**	**20.9**	**30,300**
SAIA-SB/SG11	SAIA-SB/SG11-15	04/03/2013	N	15	15.5	<210	<210	<210	<210	<210	<420	<210	<210	<210	**26,900**	<7.18	**5**	**170**	**0.72**	<0.60	**11,400**	**32**	**15.8**	**30**	**36,800**
SAIA-SB/SG11	SAIA-SB/SG11-16	04/03/2013	FD	16	16.5	--	--	--	--	--	--	--	--	--	**19,100**	<6.76	**3.6**	**175**	<0.56	<0.56	**8,510**	**26.6**	**13.4**	**26.6**	**30,600**
SAIA-SB/SG11	SAIA-SB/SG11-25	04/03/2013	N	25	25.5	<210	<210	<210	<210	<210	<400	<210	<210	<210	**23,500**	<5.60	**3.6**	**229**	**0.5**	<0.47	**11,500**	**32.1**	**15.7**	**30.3**	**32,900**
SAIA-SB/SG11	SAIA-SB/SG11-35	04/03/2013	N	35	35.5	<190	<190	<190	<190	<190	<360	<190	<190	<190	**7,900**	<5.91	**8.4**	**71**	<0.49	<0.49	**4,170**	**10.6**	**5.8**	**6.7**	**16,400**
SAIA-SB/SG19	SAIA-SB19-0.5	04/16/2014	N	0.5	0.5	<170	<170	<170	<170	<170	<340	<170	<170	<170	**11,600**	<4.2	**3.3**	**108**	**0.47**	**0.71**	**8,200**	**20.3**	**9.9**	**4,350**	**21,700**
SAIA-SB/SG19	SAIA-SB19-0.6	04/16/2014	FD	0.5	0.5	<170	<170	<170	<170	<170	<340	<170	<170	<170	**10,900**	<4.5	**3.4**	**104**	**0.44**	**0.8**	**8,680**	**47.5**	**9.8**	**1,690**	**22,700**
SAIA-SB/SG19	SAIA-SB19-2	04/16/2014	N	2	2	<180	<180	<180	<180	<180	<340	<180	<180	<180	**13,900**	<4.8	**3.9**	**121**	**0.59**	**1**	**5,560**	**35.8**	**11**	**3,080**	**24,500**
SAIA-SB/SG19	SAIA-SB19-5	04/16/2014	N	5	5	<170	<170	<170	<170	<170	<340	<170	<170	<170	**9,800**	<4.2	**2.5**	**97.1**	**0.41**	<0.35	**5,060**	**19.9**	**7.8**	**192**	**18,200**
SAIA-SB/SG19	SAIA-SB19-6	04/16/2014	FD	5	5	<170	<170	<170	<170	<170	<340	<170	<170	<170	**10,100**	<4.6	**2.4**	**96.7**	**0.41**	<0.38	**4,890**	**12.5**	**7.8**	**140**	**17,200**
SAIA-SB/SG19	SAIA-SB19-15	04/16/2014	N	15	15	<200	<200	<200	<200	<200	<400	<200	<200	<200	**17,200**	<5.3	**4.7**	**156**	**0.71**	<0.44	**10,200**	**24.9**	**13.2**	**99.6**	**26,700**
SAIA-SB/SG19	SAIA-SB19-25	04/16/2014	N	25	25	<200	<200	<200	<200	<200	<390	<200	<200	<200	**18,500**	<4.9	**4.5**	**164**	**0.78**	<0.41	**10,100**	**23.3**	**14**	**23.8**	**27,100**
SAIA-SB/SG19	SAIA-SB19-35	04/16/2014	N	35	35	<200	<200	<200	<200	<200	<390	<200	<200	<200	**11,200**	<4.6	**3**	**94.5**	**0.47**	<0.39	**5,900**	**15.5**	**8.8**	**14.4**	**19,600**
SAIA-SB/SG20	SAIA-SB20-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	**10,500**	<5	**12.7**	**101**	**0.5**	**0.92**	**8,620**	**289**	**11.6**	**1,690**	**42,800**
SAIA-SB/SG20	SAIA-SB20-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	**11,000**	<5	**3.5**	**105**	**0.37 J**	<0.41	**9,620**	**39.4**	**8.7**	**138**	**21,600**
SAIA-SB/SG20	SAIA-SB20-5	04/18/2014	N	5	5	--	--	--	--	--	--	--	--	--	**18,600**	<5.4	**5.5**	**160**	**0.68**	**0.56**	**15,700**	**28.2**	**13.8**	**30.4**	**28,300**
SAIA-SB/SG20	SAIA-SB20-15	04/18/2014	N	15	15	--	--	--	--	--	--	--	--	--	**20,000**	<4.8	**7.7**	**177**	**0.74**	**0.45**	**12,600**	**27.3**	**14.9**	**26**	**30,300**
SAIA-SB/SG20	SAIA-SB20-25	04/18/2014	N	25	25	--	--	--	--	--	--	--	--	--	**13,800**	<4.9	**9**	**138**	**0.51**	<0.41	**11,600**	**24.8**	**12.5**	**26.3**	**25,200**
SAIA-SB/SG20	SAIA-SB20-35	04/18/2014	N	35	35	--	--	--	--	--	--	--	--	--	**10,200**	<4.4	**27.1**	**96.3**	**0.38**	<0.37	**4,790**	**14.4**	**8.2**	**10**	**19,700**
SAIA-SB/SG21	SAIA-SB21-0.5	04/18/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	**12,200**	<4.8	**5.2**	**122**	**0.43**	**1.4**	**5,090**	**79.8**	**11.3**	**108**	**26,400**
SAIA-SB/SG21	SAIA-SB21-2	04/18/2014	N	2	2	--	--	--	--	--	--	--	--	--	**11,700**	<4.8	**5.3**	**115**	**0.44**	**2.4**	**4,900**	**357**	**12.6**	**176**	**29,200**
SAIA-SB/SG21	SAIA-SB21-3	04/18/2014	FD	2	2	--	--	--	--	--	--	--	--	--	**11,700**	<4.7	**5.2**	**114**	**0.41**	**2.3**	**4,910**	**210**	**11.4**	**246**	**28,400**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG11	SAIA-SB/SG11-02	04/03/2013	N	2	2.5	**13.1**	**6,100**	**360**	**20.2**	**3,950**	<3.33	<0.95	<476	<2.38	**39**	**92.6**	**0.015 J**	<35	<35	<35	<35	<35
SAIA-SB/SG11	SAIA-SB/SG11-05	04/03/2013	N	5	5.5	**5.7**	**10,700**	**499**	**18.1**	**6,350**	<3.87	<1.11	<553	<2.77	**55.5**	**84.1**	**0.031 J**	<37	<37	<37	<37	<37
SAIA-SB/SG11	SAIA-SB/SG11-15	04/03/2013	N	15	15.5	**6.8**	**12,500**	**526**	**22**	**5,610**	<4.19	<1.20	**896 J**	<2.99	**69.1**	**90.2**	**0.075 J**	<42	<42	<42	<42	<42
SAIA-SB/SG11	SAIA-SB/SG11-16	04/03/2013	FD	16	16.5	**6.6**	**10,400**	**480**	**19.8**	**6,180**	<3.94	<1.13	<563	<2.82	**55.4**	**85.4**	**0.03 J**	--	--	--	--	--
SAIA-SB/SG11	SAIA-SB/SG11-25	04/03/2013	N	25	25.5	**5.6**	**12,000**	**561**	**22.8**	**5,900**	<3.27	<0.93	**1,780 J**	<2.33	**60**	**85.2**	**0.12**	<40	<40	<40	<40	<40
SAIA-SB/SG11	SAIA-SB/SG11-35	04/03/2013	N	35	35.5	**2**	**4,390**	**206**	**6.3**	**2,230**	<3.45	<0.99	<493	<2.46	**30**	**33.3**	**0.033 J**	<36	<36	<36	<36	<36
SAIA-SB/SG19	SAIA-SB19-0.5	04/16/2014	N	0.5	0.5	**198**	**5,740**	**278**	**46.3**	**3,600**	**2.6**	<0.7	**332 J**	<1.8	**37.8**	**891**	**0.032 J**	<34	<34	<34	<34	<34
SAIA-SB/SG19	SAIA-SB19-0.6	04/16/2014	FD	0.5	0.5	**196**	**5,510**	**287**	**32.8**	**3,430**	**2.8**	<0.75	**326 J**	<1.9	**37.2**	**885**	**0.034 J**	<34	<34	<34	<34	<34
SAIA-SB/SG19	SAIA-SB19-2	04/16/2014	N	2	2	**337**	**5,800**	**293**	**36.1**	**3,860**	**2.8**	<0.8	**281 J**	<2	**42.4**	**1,250**	**0.031 J**	<35	<35	<35	<35	<35
SAIA-SB/SG19	SAIA-SB19-5	04/16/2014	N	5	5	**40.3**	**5,250**	**239**	**11**	**3,410**	**2.2 J**	<0.71	**244 J**	<1.8	**32**	**98.6**	**0.023 J**	<34	<34	<34	<34	<34
SAIA-SB/SG19	SAIA-SB19-6	04/16/2014	FD	5	5	**23.6 J**	**5,200**	**239**	**9.4**	**3,470**	**1.9 J**	<0.76	**307 J**	<1.9	**31.6**	**80.9**	**0.02 J**	<34	<34	<34	<34	<34
SAIA-SB/SG19	SAIA-SB19-15	04/16/2014	N	15	15	**21.2 J**	**8,600**	**425**	**20**	**4,180**	**2.8 J**	<0.88	**431 J**	<2.2	**52.6**	**94.6**	**0.057 J**	<39	<39	<39	<39	<39
SAIA-SB/SG19	SAIA-SB19-25	04/16/2014	N	25	25	**5.3 J**	**9,170**	**410**	**17.4**	**4,690**	**2.8 J**	<0.82	**477**	<2	**56**	**66.9**	**0.037 J**	<39	<39	<39	<39	<39
SAIA-SB/SG19	SAIA-SB19-35	04/16/2014	N	35	35	**3.3 J**	**5,470**	**273**	**10.5**	**3,330**	**2 J**	<0.77	**272 J**	<1.9	**38.5**	**43.1**	**0.021 J**	<39	<39	<39	<39	<39
SAIA-SB/SG20	SAIA-SB20-0.5	04/18/2014	N	0.5	0.5	**420**	**5,720**	**477**	**196**	**3,880**	**1.7 J**	<0.83	**481**	<2.1	**36.6**	**241**	**0.015 J**	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-2	04/18/2014	N	2	2	**24**	**6,130**	**326**	**19.7**	**4,170**	**0.93 J**	<0.83	**420**	<2.1	**36.2**	**67.9**	**0.015 J**	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-5	04/18/2014	N	5	5	**8**	**8,960**	**864**	**19.8**	**3,860**	**0.74 J**	<0.89	**494**	<2.2	**52.7**	**76**	**0.046 J**	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-15	04/18/2014	N	15	15	**6.4**	**10,700**	**555**	**19.5**	**4,830**	**1.1 J**	<0.8	**584**	<2	**57**	**78.6**	**0.21**	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-25	04/18/2014	N	25	25	**6.1**	**8,550**	**541**	**19.8**	**3,110**	**0.84 J**	<0.82	**348 J**	<2.1	**43.1**	**57.6**	**0.058 J**	--	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-35	04/18/2014	N	35	35	**3**	**6,120**	**328**	**9.4**	**3,070**	**0.33 J**	<0.74	**351 J**	<1.8	**34.8**	**44.8**	**0.025 J**	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-0.5	04/18/2014	N	0.5	0.5	**31.5**	**6,640**	**535**	**100**	**4,410**	**1.6 J**	<0.8	**311 J**	<2	**39.6**	**138**	**0.031 J**	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-2	04/18/2014	N	2	2	**20.9**	**6,610**	**432**	**223**	**4,230**	**4.3**	<0.8	**314 J**	<2	**36.9**	**142**	**0.024 J**	--	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-3	04/18/2014	FD	2	2	**26.5**	**6,540**	**420**	**103**	**4,190**	**2.5 J**	<0.78	**304 J**	<1.9	**35.7**	**170**	**0.023 J**	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG11	SAIA-SB/SG11-02	04/03/2013	N	2	2.5	<35	<35	<35	<35
SAIA-SB/SG11	SAIA-SB/SG11-05	04/03/2013	N	5	5.5	<37	<37	<37	<37
SAIA-SB/SG11	SAIA-SB/SG11-15	04/03/2013	N	15	15.5	<42	<42	<42	<42
SAIA-SB/SG11	SAIA-SB/SG11-16	04/03/2013	FD	16	16.5	--	--	--	--
SAIA-SB/SG11	SAIA-SB/SG11-25	04/03/2013	N	25	25.5	<40	<40	<40	<40
SAIA-SB/SG11	SAIA-SB/SG11-35	04/03/2013	N	35	35.5	<36	<36	<36	<36
SAIA-SB/SG19	SAIA-SB19-0.5	04/16/2014	N	0.5	0.5	**30 J**	**11 J**	<34	<34
SAIA-SB/SG19	SAIA-SB19-0.6	04/16/2014	FD	0.5	0.5	**26 J**	**11 J**	<34	<34
SAIA-SB/SG19	SAIA-SB19-2	04/16/2014	N	2	2	**13 J**	<35	<35	<35
SAIA-SB/SG19	SAIA-SB19-5	04/16/2014	N	5	5	<34	<34	<34	<34
SAIA-SB/SG19	SAIA-SB19-6	04/16/2014	FD	5	5	<34	<34	<34	<34
SAIA-SB/SG19	SAIA-SB19-15	04/16/2014	N	15	15	<39	<39	<39	<39
SAIA-SB/SG19	SAIA-SB19-25	04/16/2014	N	25	25	<39	<39	<39	<39
SAIA-SB/SG19	SAIA-SB19-35	04/16/2014	N	35	35	<39	<39	<39	<39
SAIA-SB/SG20	SAIA-SB20-0.5	04/18/2014	N	0.5	0.5	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-2	04/18/2014	N	2	2	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-5	04/18/2014	N	5	5	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-15	04/18/2014	N	15	15	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-25	04/18/2014	N	25	25	--	--	--	--
SAIA-SB/SG20	SAIA-SB20-35	04/18/2014	N	35	35	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-0.5	04/18/2014	N	0.5	0.5	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-2	04/18/2014	N	2	2	--	--	--	--
SAIA-SB/SG21	SAIA-SB21-3	04/18/2014	FD	2	2	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																				
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG21	SAIA-SB21-5	04/18/2014	N	5	5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG21	SAIA-SB21-15	04/18/2014	N	15	15	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<130	<13	<13	<13	<13	<6.3
SAIA-SB/SG21	SAIA-SB21-16	04/18/2014	FD	15	15	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<120	<12	<12	<12	<12	<5.8
SAIA-SB/SG21	SAIA-SB21-25	04/18/2014	N	25	25	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<130	<13	<13	<13	<13	<6.7
SAIA-SB/SG21	SAIA-SB21-35	04/18/2014	N	35	35	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG22	SAIA-SB22-0.5	04/18/2014	N	0.5	0.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG22	SAIA-SB22-2	04/18/2014	N	2	2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2
SAIA-SB/SG22	SAIA-SB22-5	04/18/2014	N	5	5	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2
SAIA-SB/SG22	SAIA-SB22-15	04/18/2014	N	15	15	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG22	SAIA-SB22-25	04/18/2014	N	25	25	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<130	<13	<13	<13	<13	<6.3
SAIA-SB/SG22	SAIA-SB22-35	04/18/2014	N	35	35	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG23	SAIA-SB23-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG24	SAIA-SB24-0.5	04/16/2014	N	0.5	0.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<100	<10	<10	<10	<10	<5.2
SAIA-SB/SG24	SAIA-SB24-2	04/16/2014	N	2	2	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG24	SAIA-SB24-5	04/16/2014	N	5	5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG24	SAIA-SB24-15	04/16/2014	N	15	15	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG24	SAIA-SB24-25	04/16/2014	N	25	25	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<130	<13	<13	<13	<13	<6.3
SAIA-SB/SG24	SAIA-SB24-35	04/16/2014	N	35	35	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																						
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG21	SAIA-SB21-5	04/18/2014	N	5	5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG21	SAIA-SB21-15	04/18/2014	N	15	15	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	**1.9 J**	<6.3	<6.3	<6.3	<6.3	**1.2 J**	<6.3	**4 J**	<6.3	<6.3	<6.3	**1.5 J**	<6.3	<6.3
SAIA-SB/SG21	SAIA-SB21-16	04/18/2014	FD	15	15	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	**0.94 J**	<5.8	**3.3 J**	<5.8	<5.8	<5.8	**1.1 J**	<5.8	<5.8
SAIA-SB/SG21	SAIA-SB21-25	04/18/2014	N	25	25	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7
SAIA-SB/SG21	SAIA-SB21-35	04/18/2014	N	35	35	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG22	SAIA-SB22-0.5	04/18/2014	N	0.5	0.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB/SG22	SAIA-SB22-2	04/18/2014	N	2	2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG22	SAIA-SB22-5	04/18/2014	N	5	5	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG22	SAIA-SB22-15	04/18/2014	N	15	15	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG22	SAIA-SB22-25	04/18/2014	N	25	25	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3
SAIA-SB/SG22	SAIA-SB22-35	04/18/2014	N	35	35	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG23	SAIA-SB23-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG24	SAIA-SB24-0.5	04/16/2014	N	0.5	0.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
SAIA-SB/SG24	SAIA-SB24-2	04/16/2014	N	2	2	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB/SG24	SAIA-SB24-5	04/16/2014	N	5	5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG24	SAIA-SB24-15	04/16/2014	N	15	15	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG24	SAIA-SB24-25	04/16/2014	N	25	25	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3
SAIA-SB/SG24	SAIA-SB24-35	04/16/2014	N	35	35	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG21	SAIA-SB21-5	04/18/2014	N	5	5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<190	--	<190	<190	<190	<190	<190	<380	<190	<190	<190	<190	<190	<190	<380	<190
SAIA-SB/SG21	SAIA-SB21-15	04/18/2014	N	15	15	**1.1 J**	<6.3	<6.3	<6.3	**2.1 J**	<6.3	<6.3	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	**200**	<200	<380	<200
SAIA-SB/SG21	SAIA-SB21-16	04/18/2014	FD	15	15	**0.95 J**	<5.8	<5.8	<5.8	**1.2 J**	<5.8	<5.8	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	**240**	<190	<370	<190
SAIA-SB/SG21	SAIA-SB21-25	04/18/2014	N	25	25	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG21	SAIA-SB21-35	04/18/2014	N	35	35	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG22	SAIA-SB22-0.5	04/18/2014	N	0.5	0.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG22	SAIA-SB22-2	04/18/2014	N	2	2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<190	--	<190	<190	<190	<190	<190	<360	<190	<190	<190	<190	<190	<190	<360	<190
SAIA-SB/SG22	SAIA-SB22-5	04/18/2014	N	5	5	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG22	SAIA-SB22-15	04/18/2014	N	15	15	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG22	SAIA-SB22-25	04/18/2014	N	25	25	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<220	--	<220	<220	<220	<220	<220	<420	<220	<220	<220	<220	<220	<220	<420	<220
SAIA-SB/SG22	SAIA-SB22-35	04/18/2014	N	35	35	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG23	SAIA-SB23-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG24	SAIA-SB24-0.5	04/16/2014	N	0.5	0.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG24	SAIA-SB24-2	04/16/2014	N	2	2	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG24	SAIA-SB24-5	04/16/2014	N	5	5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	<200	<200	<380	<200
SAIA-SB/SG24	SAIA-SB24-15	04/16/2014	N	15	15	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<210	--	<210	<210	<210	<210	<210	<420	<210	<210	<210	<210	<210	<210	<420	<210
SAIA-SB/SG24	SAIA-SB24-25	04/16/2014	N	25	25	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG24	SAIA-SB24-35	04/16/2014	N	35	35	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	<200	<200	<380	<200

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Semivolatile (ug/kg)																			
						3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG21	SAIA-SB21-5	04/18/2014	N	5	5	<190	<380	<380	<190	<190	<190	<190	<190	<380	<380	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG21	SAIA-SB21-15	04/18/2014	N	15	15	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	**81 J**	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG21	SAIA-SB21-16	04/18/2014	FD	15	15	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	**92 J**	<190	<190	**92 J**	<190	<190	<190	<190	<190	<190
SAIA-SB/SG21	SAIA-SB21-25	04/18/2014	N	25	25	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG21	SAIA-SB21-35	04/18/2014	N	35	35	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG22	SAIA-SB22-0.5	04/18/2014	N	0.5	0.5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG22	SAIA-SB22-2	04/18/2014	N	2	2	<190	<360	<360	<190	<190	<190	<190	<190	<360	<360	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG22	SAIA-SB22-5	04/18/2014	N	5	5	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG22	SAIA-SB22-15	04/18/2014	N	15	15	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG22	SAIA-SB22-25	04/18/2014	N	25	25	<220	<420	<420	<220	<220	<220	<220	<220	<420	<420	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG22	SAIA-SB22-35	04/18/2014	N	35	35	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG23	SAIA-SB23-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG24	SAIA-SB24-0.5	04/16/2014	N	0.5	0.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	**55 J**	**74 J**	**44 J**	**79 J**
SAIA-SB/SG24	SAIA-SB24-2	04/16/2014	N	2	2	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	**87 J**	<180	**99 J**
SAIA-SB/SG24	SAIA-SB24-5	04/16/2014	N	5	5	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	**24 J**	**19 J**	**42 J**
SAIA-SB/SG24	SAIA-SB24-15	04/16/2014	N	15	15	<210	<420	<420	<210	<210	<210	<210	<210	<420	<420	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG24	SAIA-SB24-25	04/16/2014	N	25	25	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG24	SAIA-SB24-35	04/16/2014	N	35	35	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Semivolatiles (in ug/kg)																					
						Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG21	SAIA-SB21-5	04/18/2014	N	5	5	<190	<190	<190	<190	<190	<190	**370**	<190	<190	<190	<190	<190	<190	<190	**93 J**	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG21	SAIA-SB21-15	04/18/2014	N	15	15	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	**150 J**	<200	<200	<200	<200	<200
SAIA-SB/SG21	SAIA-SB21-16	04/18/2014	FD	15	15	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	**190**	<190	<190	<190	<190	<190
SAIA-SB/SG21	SAIA-SB21-25	04/18/2014	N	25	25	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG21	SAIA-SB21-35	04/18/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG22	SAIA-SB22-0.5	04/18/2014	N	0.5	0.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG22	SAIA-SB22-2	04/18/2014	N	2	2	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG22	SAIA-SB22-5	04/18/2014	N	5	5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG22	SAIA-SB22-15	04/18/2014	N	15	15	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	**91 J**	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG22	SAIA-SB22-25	04/18/2014	N	25	25	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG22	SAIA-SB22-35	04/18/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG23	SAIA-SB23-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG24	SAIA-SB24-0.5	04/16/2014	N	0.5	0.5	**68 J**	<180	<180	<180	<180	<180	<180	<180	<180	**74 J**	<180	<180	<180	<180	**32 J**	<180	**100 J**	<180	<180	<180	<180	<180	**59 J**
SAIA-SB/SG24	SAIA-SB24-2	04/16/2014	N	2	2	<180	<180	<180	<180	<180	<180	<180	<180	<180	**86 J**	<180	<180	<180	<180	<180	<180	**120 J**	<180	<180	<180	<180	<180	<180
SAIA-SB/SG24	SAIA-SB24-5	04/16/2014	N	5	5	**20 J**	<200	<200	<200	<200	<200	**22 J**	<200	<200	<200	**38 J**	<200	<200	<200	**24 J**	<200	<200	<200	<200	<200	<200	<200	**34 J**
SAIA-SB/SG24	SAIA-SB24-15	04/16/2014	N	15	15	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG24	SAIA-SB24-25	04/16/2014	N	25	25	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG24	SAIA-SB24-35	04/16/2014	N	35	35	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)										
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG21	SAIA-SB21-5	04/18/2014	N	5	5	<190	<190	<190	<190	<190	<380	<190	<190	<190	**13,500**	**0.59 J**	**3**	**118**	**0.51**	**0.38 J**	**8,360**	**30.2**	**9.2**	**40.9**	**22,300**
SAIA-SB/SG21	SAIA-SB21-15	04/18/2014	N	15	15	<200	**110 J**	<200	<200	<200	<380	**510**	<200	<200	**14,900**	**0.82 J**	**4.2**	**142**	**0.57**	**0.59**	**9,990**	**40.5**	**11.2**	**53.8**	**31,300**
SAIA-SB/SG21	SAIA-SB21-16	04/18/2014	FD	15	15	<190	**140 J**	<190	<190	<190	<370	**650**	<190	<190	**14,500**	**0.76 J**	**3.9**	**137**	**0.6**	**0.87**	**9,420**	**79.4**	**10.8**	**74.4**	**29,600**
SAIA-SB/SG21	SAIA-SB21-25	04/18/2014	N	25	25	<200	<200	<200	<200	<200	<390	<200	<200	<200	**16,900**	**1.2 J**	**11.9**	**202**	**0.66**	**0.14 J**	**21,200**	**28.2**	**13.7**	**32.6**	**30,200**
SAIA-SB/SG21	SAIA-SB21-35	04/18/2014	N	35	35	<180	<180	<180	<180	<180	<360	<180	<180	<180	**9,200**	**0.48 J**	**20.6**	**95.8**	**0.39 J**	**0.02 J**	**4,640**	**11.9**	**6.9**	**11.5**	**18,200**
SAIA-SB/SG22	SAIA-SB22-0.5	04/18/2014	N	0.5	0.5	<190	<190	<190	<190	<190	<370	<190	<190	<190	**13,400**	**0.55 J**	**2**	**131**	**0.47**	**0.18 J**	**7,060**	**19.1**	**9.6**	**76.2**	**22,500**
SAIA-SB/SG22	SAIA-SB22-2	04/18/2014	N	2	2	<190	<190	<190	<190	<190	<360	<190	<190	<190	**14,200**	**0.71 J**	**2.1**	**144**	**0.49**	**0.18 J**	**6,940 J**	**19.2 J**	**10.3**	**28.1**	**24,500 J**
SAIA-SB/SG22	SAIA-SB22-5	04/18/2014	N	5	5	<200	<200	<200	<200	<200	<390	<200	<200	<200	**14,900**	**0.69 J**	**3.5**	**142**	**0.55**	**0.22 J**	**10,500**	**19.3**	**9.7**	**24.7**	**23,700**
SAIA-SB/SG22	SAIA-SB22-15	04/18/2014	N	15	15	<190	<190	<190	<190	<190	<370	<190	<190	<190	**13,100**	**0.55 J**	**3.6**	**122**	**0.49**	**0.19 J**	**9,740**	**19.2**	**9.1**	**60.9**	**22,600**
SAIA-SB/SG22	SAIA-SB22-25	04/18/2014	N	25	25	<220	<220	<220	<220	<220	<420	<220	<220	<220	**23,500**	**0.8 J**	**5.1**	**203**	**0.89**	**0.34 J**	**10,700**	**27.7**	**14.9**	**35.9**	**31,900**
SAIA-SB/SG22	SAIA-SB22-35	04/18/2014	N	35	35	<180	<180	<180	<180	<180	<360	<180	<180	<180	**8,810**	**0.43 J**	**19.2**	**88.8**	**0.33 J**	**0.04 J**	**4,750**	**11.3**	**6.3**	**10.2**	**17,200**
SAIA-SB/SG23	SAIA-SB23-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	**14,600**	**0.42 J**	**3.9**	**147**	**0.57**	<0.41	**6,860**	**19.1**	**11.9**	**20.1**	**26,100**
SAIA-SB/SG23	SAIA-SB23-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	**14,300**	**0.49 J**	**3.6**	**132**	**0.56**	<0.41	**8,210**	**17.9**	**11.1**	**18.8**	**25,000**
SAIA-SB/SG23	SAIA-SB23-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	**12,800**	**0.34 J**	**3.6**	**113**	**0.54**	<0.42	**9,220**	**16.6**	**10.1**	**17.9**	**22,300**
SAIA-SB/SG23	SAIA-SB23-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	**26,100**	**0.66 J**	**5.4**	**213**	**1.1**	<0.48	**24,400**	**28.9**	**18.4**	**38.2**	**36,100**
SAIA-SB/SG23	SAIA-SB23-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	**19,700**	**0.34 J**	**5.9**	**178**	**0.75**	<0.44	**8,110**	**24.6**	**15.1**	**29.3**	**29,100**
SAIA-SB/SG23	SAIA-SB23-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	**7,760**	**0.2 J**	**9.1**	**75.7**	**0.36 J**	<0.39	**5,600**	**9.3**	**6.1**	**9.6**	**15,600**
SAIA-SB/SG24	SAIA-SB24-0.5	04/16/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<350	**36 J**	<180	**120 J**	**12,200**	**27.8 J**	**5.2**	**337**	**0.49**	**1.3**	**7,890**	**26.9**	**12.4**	**692**	**25,300**
SAIA-SB/SG24	SAIA-SB24-2	04/16/2014	N	2	2	<180	<180	<180	<180	<180	<350	<180	<180	**150 J**	**12,500**	**10 J**	**3.7**	**125**	**0.49**	<0.4	**9,390**	**17.4**	**9.6**	**26.3**	**22,200**
SAIA-SB/SG24	SAIA-SB24-5	04/16/2014	N	5	5	<200	<200	<200	<200	<200	<380	<200	<200	<200	**21,500**	<5.3	**4.7**	**176**	**0.84**	<0.45	**10,400**	**26.8**	**14.5**	**32**	**29,400**
SAIA-SB/SG24	SAIA-SB24-15	04/16/2014	N	15	15	<210	<210	<210	<210	<210	<420	<210	<210	<210	**20,700**	<5.5	**5**	**184**	**0.87**	<0.45	**11,900**	**25.3**	**14.7**	**26**	**29,500**
SAIA-SB/SG24	SAIA-SB24-25	04/16/2014	N	25	25	<200	<200	<200	<200	<200	<390	<200	<200	<200	**17,500**	<5.3	**7**	**168**	**0.66**	<0.44	**12,100**	**25.6**	**13.2**	**34.1**	**27,500**
SAIA-SB/SG24	SAIA-SB24-35	04/16/2014	N	35	35	<200	<200	<200	<200	<200	<380	<200	<200	<200	**12,300**	<5.4	**21.4**	**105**	<0.45	<0.45	**18,300**	**18.1**	**9.8**	**14.9**	**22,400**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG21	SAIA-SB21-5	04/18/2014	N	5	5	**5**	**6,430**	**395**	**43.6**	**3,500**	**3.2**	<0.83	**321 J**	<2.1	**40.8**	**54.3**	<0.11	<38	<38	<38	<38	<38
SAIA-SB/SG21	SAIA-SB21-15	04/18/2014	N	15	15	**7.7**	**7,840**	**461**	**30.3**	**4,390**	**4.8**	<0.82	**427**	<2	**44.9**	**74.8**	<0.1	<38	<38	<38	<38	**7,200**
SAIA-SB/SG21	SAIA-SB21-16	04/18/2014	FD	15	15	**9.7**	**7,760**	**434**	**43.6**	**4,390**	**5.2**	<0.86	**412 J**	<2.2	**47.9**	**88.3**	<0.098	<37	<37	<37	<37	**9,000 J**
SAIA-SB/SG21	SAIA-SB21-25	04/18/2014	N	25	25	**6.4**	**10,600**	**624**	**24.3**	**4,400**	**4.4**	<0.84	**383 J**	<2.1	**50.9**	**65.4**	<0.1	<39	<39	<39	<39	<39
SAIA-SB/SG21	SAIA-SB21-35	04/18/2014	N	35	35	**2.2**	**5,520**	**275**	**8**	**2,850**	**2.8 J**	<0.82	**292 J**	<2.1	**39.8**	**37.1**	<0.1	<36	<36	<36	<36	<36
SAIA-SB/SG22	SAIA-SB22-0.5	04/18/2014	N	0.5	0.5	**12**	**7,420**	**330**	**13.3**	**5,190**	**3.4**	<0.82	**305 J**	<2.1	**43.9**	**65.1**	<0.1	<37	<37	<37	<37	<37
SAIA-SB/SG22	SAIA-SB22-2	04/18/2014	N	2	2	**6.2**	**7,960**	**349 J**	**14**	**5,550 J**	**3.7**	<0.83	**316 J**	<2.1	**45.8 J**	**63.4**	<0.11	<36	<36	<36	<36	<36
SAIA-SB/SG22	SAIA-SB22-5	04/18/2014	N	5	5	**5**	**7,430**	**467**	**14.2**	**4,130**	**3.5**	<0.86	**326 J**	<2.1	**43.9**	**53.8**	<0.11	<39	<39	<39	<39	<39
SAIA-SB/SG22	SAIA-SB22-15	04/18/2014	N	15	15	**7.7**	**7,290**	**410**	**12.9**	**4,100**	**3.3**	<0.77	**405**	<1.9	**42.7**	**60.7**	**0.32**	<37	<37	<37	<37	<37
SAIA-SB/SG22	SAIA-SB22-25	04/18/2014	N	25	25	**7.1**	**11,400**	**459**	**21.9**	**5,160**	**4.4**	<0.99	**648**	<2.5	**64.4**	**73.8**	<0.12	<42	<42	<42	<42	<42
SAIA-SB/SG22	SAIA-SB22-35	04/18/2014	N	35	35	**2.1**	**5,300**	**253**	**7.5**	**2,750**	**2.4 J**	<0.79	**308 J**	<2	**31.7**	**35.5**	<0.093	<36	<36	<36	<36	<36
SAIA-SB/SG23	SAIA-SB23-0.5	04/14/2014	N	0.5	0.5	**6.2**	**8,410**	**384**	**15.3**	**5,640**	**2.9**	<0.82	**475**	<2.1	**46.1**	**67.7**	<0.11	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-2	04/14/2014	N	2	2	**4.6**	**7,400**	**356**	**13.9**	**4,310**	**2.5 J**	<0.82	**415**	<2	**45.7**	**57.1**	<0.1	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-5	04/14/2014	N	5	5	**3.9**	**6,900**	**382**	**13.1**	**4,020**	**2.1 J**	<0.84	**382 J**	<2.1	**40.4**	**52.3**	<0.11	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-15	04/14/2014	N	15	15	**9**	**13,100**	**676**	**25.4**	**5,910**	**3.6**	<0.95	**665**	<2.4	**68.2**	**89.5**	<0.12	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-25	04/14/2014	N	25	25	**5.1**	**10,900**	**482**	**20.4**	**5,260**	**2.9 J**	<0.89	**478**	<2.2	**53.8**	**75.5**	<0.11	--	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-35	04/14/2014	N	35	35	**2.2**	**4,690**	**235**	**6.9**	**2,380**	**1.6 J**	<0.78	**260 J**	<1.9	**27.6**	**34**	<0.11	--	--	--	--	--
SAIA-SB/SG24	SAIA-SB24-0.5	04/16/2014	N	0.5	0.5	**792 J**	**6,020**	**362**	**19.4**	**3,840**	**2.7**	<0.78	**371 J**	<2	**42.3**	**440**	**0.035 J**	<35	<35	<35	<35	<35
SAIA-SB/SG24	SAIA-SB24-2	04/16/2014	N	2	2	**227 J**	**6,460**	**334**	**12.1**	**4,040**	**2.4 J**	<0.81	**371 J**	<2	**43**	**63.9**	**0.015 J**	<36	<36	<36	<36	<36
SAIA-SB/SG24	SAIA-SB24-5	04/16/2014	N	5	5	**25.9 J**	**8,830**	**452**	**20.3**	**5,300**	**2.7 J**	<0.89	**424 J**	<2.2	**58**	**76.5**	**0.093 J**	<38	<38	<38	<38	<38
SAIA-SB/SG24	SAIA-SB24-15	04/16/2014	N	15	15	**5.8 J**	**10,000**	**451**	**18.5**	**4,900**	**3.1 J**	<0.91	**472**	<2.3	**59.9**	**72.9**	**0.062 J**	<41	<41	<41	<41	<41
SAIA-SB/SG24	SAIA-SB24-25	04/16/2014	N	25	25	**48.6 J**	**8,680**	**475**	**18.4**	**4,200**	**2.6 J**	<0.88	**442**	<2.2	**54**	**68.9**	**0.072 J**	<39	<39	<39	<39	<39
SAIA-SB/SG24	SAIA-SB24-35	04/16/2014	N	35	35	**3.4 J**	**6,810**	**385**	**12**	**3,670**	**2.4 J**	<0.89	**478**	<2.2	**46.8**	**47.8**	**0.18**	<38	<38	<38	<38	<38

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG21	SAIA-SB21-5	04/18/2014	N	5	5	**170**	**150**	<38	<38
SAIA-SB/SG21	SAIA-SB21-15	04/18/2014	N	15	15	<38	<38	<38	<38
SAIA-SB/SG21	SAIA-SB21-16	04/18/2014	FD	15	15	<37	**2,400 J**	<37	<37
SAIA-SB/SG21	SAIA-SB21-25	04/18/2014	N	25	25	<39	<39	<39	<39
SAIA-SB/SG21	SAIA-SB21-35	04/18/2014	N	35	35	<36	<36	<36	<36
SAIA-SB/SG22	SAIA-SB22-0.5	04/18/2014	N	0.5	0.5	**260**	<37	<37	<37
SAIA-SB/SG22	SAIA-SB22-2	04/18/2014	N	2	2	**130**	<36	<36	<36
SAIA-SB/SG22	SAIA-SB22-5	04/18/2014	N	5	5	**140 J**	<39	<39	<39
SAIA-SB/SG22	SAIA-SB22-15	04/18/2014	N	15	15	**45**	<37	<37	<37
SAIA-SB/SG22	SAIA-SB22-25	04/18/2014	N	25	25	<42	<42	<42	<42
SAIA-SB/SG22	SAIA-SB22-35	04/18/2014	N	35	35	<36	<36	<36	<36
SAIA-SB/SG23	SAIA-SB23-0.5	04/14/2014	N	0.5	0.5	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-2	04/14/2014	N	2	2	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-5	04/14/2014	N	5	5	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-15	04/14/2014	N	15	15	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-25	04/14/2014	N	25	25	--	--	--	--
SAIA-SB/SG23	SAIA-SB23-35	04/14/2014	N	35	35	--	--	--	--
SAIA-SB/SG24	SAIA-SB24-0.5	04/16/2014	N	0.5	0.5	<35	<35	<35	<35
SAIA-SB/SG24	SAIA-SB24-2	04/16/2014	N	2	2	<36	<36	<36	<36
SAIA-SB/SG24	SAIA-SB24-5	04/16/2014	N	5	5	<38	<38	<38	<38
SAIA-SB/SG24	SAIA-SB24-15	04/16/2014	N	15	15	<41	<41	<41	<41
SAIA-SB/SG24	SAIA-SB24-25	04/16/2014	N	25	25	<39	<39	<39	<39
SAIA-SB/SG24	SAIA-SB24-35	04/16/2014	N	35	35	<38	<38	<38	<38

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																					
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG25	SAIA-SB25-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG26	SAIA-SB26-0.5	04/16/2014	N	0.5	0.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	**6.6**	<5.2	**48**	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<100	<10	<10	<10	<10	<5.2
SAIA-SB/SG26	SAIA-SB26-0.6	04/16/2014	FD	0.5	0.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG26	SAIA-SB26-2	04/16/2014	N	2	2	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG26	SAIA-SB26-5	04/16/2014	N	5	5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<100	<10	<10	<10	<10	<5.2
SAIA-SB/SG26	SAIA-SB26-15	04/16/2014	N	15	15	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG26	SAIA-SB26-16	04/16/2014	FD	15	15	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<120	<12	<12	<12	<12	<6
SAIA-SB/SG26	SAIA-SB26-25	04/16/2014	N	25	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2
SAIA-SB/SG27	SAIA-SB27-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-5	04/14/2014	N	5	5	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2
SAIA-SB/SG28	SAIA-SB28-15	04/14/2014	N	15	15	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<130	<13	<13	<13	<13	<6.3

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG25	SAIA-SB25-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG26	SAIA-SB26-0.5	04/16/2014	N	0.5	0.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
SAIA-SB/SG26	SAIA-SB26-0.6	04/16/2014	FD	0.5	0.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG26	SAIA-SB26-2	04/16/2014	N	2	2	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG26	SAIA-SB26-5	04/16/2014	N	5	5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
SAIA-SB/SG26	SAIA-SB26-15	04/16/2014	N	15	15	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG26	SAIA-SB26-16	04/16/2014	FD	15	15	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
SAIA-SB/SG26	SAIA-SB26-25	04/16/2014	N	25	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG27	SAIA-SB27-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-5	04/14/2014	N	5	5	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG28	SAIA-SB28-15	04/14/2014	N	15	15	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG25	SAIA-SB25-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG26	SAIA-SB26-0.5	04/16/2014	N	0.5	0.5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG26	SAIA-SB26-0.6	04/16/2014	FD	0.5	0.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180
SAIA-SB/SG26	SAIA-SB26-2	04/16/2014	N	2	2	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG26	SAIA-SB26-5	04/16/2014	N	5	5	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG26	SAIA-SB26-15	04/16/2014	N	15	15	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG26	SAIA-SB26-16	04/16/2014	FD	15	15	<6	<6	<6	<6	<6	<6	<6	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG26	SAIA-SB26-25	04/16/2014	N	25	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<210	<400	<210
SAIA-SB/SG27	SAIA-SB27-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-5	04/14/2014	N	5	5	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG28	SAIA-SB28-15	04/14/2014	N	15	15	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<220	--	<220	<220	<220	<220	<220	<430	<220	<220	<220	<220	<220	<220	<430	<220

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatile (ug/kg)																		
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG25	SAIA-SB25-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG26	SAIA-SB26-0.5	04/16/2014	N	0.5	0.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG26	SAIA-SB26-0.6	04/16/2014	FD	0.5	0.5	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG26	SAIA-SB26-2	04/16/2014	N	2	2	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG26	SAIA-SB26-5	04/16/2014	N	5	5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG26	SAIA-SB26-15	04/16/2014	N	15	15	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG26	SAIA-SB26-16	04/16/2014	FD	15	15	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG26	SAIA-SB26-25	04/16/2014	N	25	25	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG27	SAIA-SB27-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-5	04/14/2014	N	5	5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG28	SAIA-SB28-15	04/14/2014	N	15	15	<220	<430	<430	<220	<220	<220	<220	<220	<430	<430	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG25	SAIA-SB25-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG26	SAIA-SB26-0.5	04/16/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG26	SAIA-SB26-0.6	04/16/2014	FD	0.5	0.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG26	SAIA-SB26-2	04/16/2014	N	2	2	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG26	SAIA-SB26-5	04/16/2014	N	5	5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG26	SAIA-SB26-15	04/16/2014	N	15	15	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG26	SAIA-SB26-16	04/16/2014	FD	15	15	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG26	SAIA-SB26-25	04/16/2014	N	25	25	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG27	SAIA-SB27-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-5	04/14/2014	N	5	5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG28	SAIA-SB28-15	04/14/2014	N	15	15	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)									
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG25	SAIA-SB25-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	**11,800**	**1.4 J**	**4.1**	**122**	**0.47**	<0.38	**15,400**	**16.6**	**9.4**	**23.6**	**21,100**
SAIA-SB/SG25	SAIA-SB25-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	**16,800**	**11.8**	<0.87	**165**	**0.66**	<0.43	**9,380**	**21.6**	**11.4**	**23.1**	**28,600**
SAIA-SB/SG25	SAIA-SB25-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	**20,200**	**0.47 J**	**5.2**	**195**	**0.82**	<0.42	**12,500**	**26**	**16.6**	**28.5**	**31,800**
SAIA-SB/SG25	SAIA-SB25-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	**18,400**	**0.59 J**	**5.4**	**159**	**0.76**	<0.42	**12,000**	**22.6**	**13.7**	**25**	**28,700**
SAIA-SB/SG25	SAIA-SB25-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	**21,500**	**0.43 J**	**6.7**	**205**	**0.88**	<0.43	**8,910**	**28.2**	**17.8**	**31.6**	**35,200**
SAIA-SB/SG25	SAIA-SB25-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	**8,300**	<4.8	**11.1**	**91.5**	**0.38 J**	<0.4	**4,340**	**10.3**	**6.7**	**9.8**	**16,800**
SAIA-SB/SG26	SAIA-SB26-0.5	04/16/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**9,650**	**20.1 J**	**6.2**	**189**	**0.47**	**26.7**	**4,150**	**240**	**21.6**	**187**	**22,100**
SAIA-SB/SG26	SAIA-SB26-0.6	04/16/2014	FD	0.5	0.5	<180	<180	<180	<180	<180	<340	<180	<180	<180	**10,200**	**29.3 J**	**6.7**	**211**	**0.44**	**31**	**6,970**	**234**	**21.3**	**199**	**22,000**
SAIA-SB/SG26	SAIA-SB26-2	04/16/2014	N	2	2	<180	<180	<180	<180	<180	<350	<180	<180	<180	**11,900**	**64.1 J**	**6.5**	**169**	**0.44**	**40.5**	**5,590**	**200**	**17.2**	**359**	**26,800**
SAIA-SB/SG26	SAIA-SB26-5	04/16/2014	N	5	5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**11,800**	**10 J**	**2.1**	**115**	**0.41**	**3.2**	**6,800**	**19.9**	**8.1**	**20.5**	**22,700**
SAIA-SB/SG26	SAIA-SB26-15	04/16/2014	N	15	15	<200	<200	<200	<200	<200	<390	<200	<200	<200	**21,700**	<5	**4.2**	**170**	**0.73**	**0.89**	**14,300**	**24.2**	**13.2**	**26.3**	**31,400**
SAIA-SB/SG26	SAIA-SB26-16	04/16/2014	FD	15	15	<210	<210	<210	<210	<210	<410	<210	<210	<210	**20,600**	<5.2	**3.9**	**167**	**0.71**	**0.91**	**13,700**	**24**	**13.3**	**25.3**	**31,500**
SAIA-SB/SG26	SAIA-SB26-25	04/16/2014	N	25	25	<210	<210	<210	<210	<210	<400	<210	<210	<210	**22,300**	<5.1	**4**	**198**	**0.77**	**0.86**	**14,100**	**23.6**	**14**	**27.6**	**30,600**
SAIA-SB/SG27	SAIA-SB27-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	**9,650**	**21**	**11**	**320**	**0.41**	<0.39	**7,110**	**35.8**	**8.4**	**36.1**	**22,900**
SAIA-SB/SG27	SAIA-SB27-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	**14,600**	**0.55 J**	**3.5**	**148**	**0.58**	<0.38	**7,870**	**19.4**	**11.9**	**19.5**	**25,600**
SAIA-SB/SG27	SAIA-SB27-5	04/14/2014	N	5	5	--	--	--	--	--	--	--	--	--	**17,900**	**0.43 J**	**4.5**	**186**	**0.68**	<0.37	**8,710**	**23.5**	**14.6**	**23.7**	**29,700**
SAIA-SB/SG27	SAIA-SB27-15	04/14/2014	N	15	15	--	--	--	--	--	--	--	--	--	**16,500**	**0.44 J**	**5.1**	**142**	**0.69**	<0.42	**10,200**	**22.7**	**12.8**	**23**	**29,200**
SAIA-SB/SG27	SAIA-SB27-25	04/14/2014	N	25	25	--	--	--	--	--	--	--	--	--	**27,100**	**0.33 J**	**7**	**233**	**1.1**	<0.46	**11,700**	**31.9**	**18.5**	**42.3**	**36,600**
SAIA-SB/SG27	SAIA-SB27-35	04/14/2014	N	35	35	--	--	--	--	--	--	--	--	--	**9,560**	**0.14 J**	**13.1**	**104**	**0.4**	<0.38	**5,120**	**11.4**	**7.4**	**11.9**	**17,600**
SAIA-SB/SG28	SAIA-SB28-0.5	04/14/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	**13,000**	**4 J**	**3.9**	**128**	**0.51**	<0.42	**8,690**	**17.9**	**10**	**19.3**	**24,200**
SAIA-SB/SG28	SAIA-SB28-2	04/14/2014	N	2	2	--	--	--	--	--	--	--	--	--	**11,900**	**0.32 J**	**3.4**	**115**	**0.47**	<0.38	**7,530**	**16**	**9.2**	**14.3**	**21,800**
SAIA-SB/SG28	SAIA-SB28-5	04/14/2014	N	5	5	<190	<190	<190	<190	<190	<370	<190	<190	<190	**14,700**	**0.34 J**	**4**	**131**	**0.61**	<0.44	**9,810**	**17.9**	**11.5**	**20.3**	**23,400**
SAIA-SB/SG28	SAIA-SB28-15	04/14/2014	N	15	15	<220	<220	<220	<220	<220	<430	<220	<220	<220	**32,000**	**0.78 J**	**9.6**	**270**	**1.3**	<0.47	**19,400**	**33.7**	**21.3**	**51.5**	**41,700**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
						Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG25	SAIA-SB25-0.5	04/14/2014	N	0.5	0.5	**107**	**6,360**	**313**	**13**	**3,740**	**2.1 J**	<0.76	**285 J**	<1.9	**36.8**	**78.2**	<0.11	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-2	04/14/2014	N	2	2	**4.8**	**8,970**	**419**	**18.4**	**5,230**	**7.5**	<0.87	**376 J**	**12.6**	**49.8**	**68.7**	<0.11	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-5	04/14/2014	N	5	5	**5.8**	**11,100**	**506**	**22.4**	**5,770**	**2.9 J**	<0.85	**453**	<2.1	**59.5**	**81.5**	<0.11	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-15	04/14/2014	N	15	15	**5.4**	**9,990**	**488**	**18.4**	**5,050**	**2.9 J**	<0.85	**658**	<2.1	**53**	**69.9**	<0.1	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-25	04/14/2014	N	25	25	**6.8**	**11,700**	**578**	**24.6**	**5,900**	**4.1**	<0.86	**1,610**	<2.1	**59.9**	**81.1**	<0.11	--	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-35	04/14/2014	N	35	35	**2.4**	**4,790**	**233**	**7.2**	**2,450**	**1.5 J**	<0.8	**520**	<2	**30**	**35**	<0.11	--	--	--	--	--
SAIA-SB/SG26	SAIA-SB26-0.5	04/16/2014	N	0.5	0.5	**1,360 J**	**4,310**	**404**	**152**	**2,080**	**2.9**	**1.9**	**334 J**	<2	**39.1**	**1,350**	**0.21**	<35	<35	<35	<35	<35
SAIA-SB/SG26	SAIA-SB26-0.6	04/16/2014	FD	0.5	0.5	**1,850 J**	**4,490**	**418**	**136**	**2,450**	**2.7**	**2.4**	**331 J**	<2	**41.6**	**1,550**	**0.15**	<34	<34	<34	<34	<34
SAIA-SB/SG26	SAIA-SB26-2	04/16/2014	N	2	2	**2,620 J**	**5,560**	**364**	**77.6**	**3,320**	**3.7**	**2.4**	<389	<1.9	**48.4**	**1,240**	**0.1**	<35	<35	<35	<35	<35
SAIA-SB/SG26	SAIA-SB26-5	04/16/2014	N	5	5	**41.6 J**	**5,860**	**384**	**13.1**	**3,790**	**2.6 J**	<0.77	<386	<1.9	**44.2**	**150**	**0.024 J**	<35	<35	<35	<35	<35
SAIA-SB/SG26	SAIA-SB26-15	04/16/2014	N	15	15	**6.8 J**	**9,300**	**452**	**19.5**	**4,660**	**3.2**	<0.84	**561**	<2.1	**63.3**	**70.1**	**0.14**	<39	<39	<39	<39	<39
SAIA-SB/SG26	SAIA-SB26-16	04/16/2014	FD	15	15	**6.2 J**	**9,000**	**448**	**19.1**	**4,520**	**3**	<0.86	**524**	<2.2	**63.3**	**66.6**	**0.048 J**	<41	<41	<41	<41	<41
SAIA-SB/SG26	SAIA-SB26-25	04/16/2014	N	25	25	**6.4 J**	**10,400**	**466**	**20**	**5,460**	**3**	<0.86	**649**	<2.1	**59.2**	**72.8**	**0.051 J**	**2.4 J**	<40	<40	<40	<40
SAIA-SB/SG27	SAIA-SB27-0.5	04/14/2014	N	0.5	0.5	**906**	**4,780**	**286**	**14.6**	**3,410**	**2.7**	<0.77	**752**	<1.9	**50.7**	**531**	<0.094	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-2	04/14/2014	N	2	2	**6.7**	**8,050**	**365**	**15.5**	**5,040**	**2.5 J**	<0.77	**555**	<1.9	**45.7**	**64.2**	<0.1	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-5	04/14/2014	N	5	5	**7.7**	**10,500**	**469**	**19.2**	**6,290**	**2.7**	<0.73	**523**	<1.8	**54.2**	**76.9**	<0.093	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-15	04/14/2014	N	15	15	**10.2**	**9,000**	**407**	**18.2**	**4,270**	**3.1**	<0.83	**1,690**	<2.1	**55.5**	**67.9**	<0.1	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-25	04/14/2014	N	25	25	**9.2**	**12,600**	**531**	**27.1**	**5,230**	**3.5**	<0.93	**2,020**	<2.3	**74.3**	**88.2**	**0.23**	--	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-35	04/14/2014	N	35	35	**2.3**	**5,740**	**279**	**8.5**	**3,030**	**1.8 J**	<0.76	**615**	<1.9	**30.6**	**40.6**	<0.095	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-0.5	04/14/2014	N	0.5	0.5	**93.9**	**6,890**	**305**	**13.6**	**4,760**	**2.6 J**	<0.85	**523**	<2.1	**43.4**	**70.6**	<0.1	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-2	04/14/2014	N	2	2	**6.7**	**6,360**	**288**	**11.9**	**3,980**	**2.5 J**	<0.75	**407**	<1.9	**40.5**	**49.4**	<0.097	--	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-5	04/14/2014	N	5	5	**6.3**	**7,700**	**369**	**14.9**	**4,480**	**2.2 J**	<0.88	**592**	<2.2	**44.2**	**58.5**	<0.11	<37	<37	<37	<37	<37
SAIA-SB/SG28	SAIA-SB28-15	04/14/2014	N	15	15	**11.1**	**13,900**	**643**	**31.6**	**5,230**	**4.3**	<0.95	**2,340**	<2.4	**82.4**	**99.7**	**0.18**	<44	<44	<44	<44	<44

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG25	SAIA-SB25-0.5	04/14/2014	N	0.5	0.5	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-2	04/14/2014	N	2	2	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-5	04/14/2014	N	5	5	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-15	04/14/2014	N	15	15	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-25	04/14/2014	N	25	25	--	--	--	--
SAIA-SB/SG25	SAIA-SB25-35	04/14/2014	N	35	35	--	--	--	--
SAIA-SB/SG26	SAIA-SB26-0.5	04/16/2014	N	0.5	0.5	<35	**7,300 J**	<35	<35
SAIA-SB/SG26	SAIA-SB26-0.6	04/16/2014	FD	0.5	0.5	<34	**3,000 J**	<34	<34
SAIA-SB/SG26	SAIA-SB26-2	04/16/2014	N	2	2	<35	**5,700 J**	<35	<35
SAIA-SB/SG26	SAIA-SB26-5	04/16/2014	N	5	5	<35	**25 J**	<35	<35
SAIA-SB/SG26	SAIA-SB26-15	04/16/2014	N	15	15	<39	<39	<39	<39
SAIA-SB/SG26	SAIA-SB26-16	04/16/2014	FD	15	15	<41	<41	<41	<41
SAIA-SB/SG26	SAIA-SB26-25	04/16/2014	N	25	25	<40	**3.7 J**	<40	<40
SAIA-SB/SG27	SAIA-SB27-0.5	04/14/2014	N	0.5	0.5	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-2	04/14/2014	N	2	2	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-5	04/14/2014	N	5	5	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-15	04/14/2014	N	15	15	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-25	04/14/2014	N	25	25	--	--	--	--
SAIA-SB/SG27	SAIA-SB27-35	04/14/2014	N	35	35	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-0.5	04/14/2014	N	0.5	0.5	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-2	04/14/2014	N	2	2	--	--	--	--
SAIA-SB/SG28	SAIA-SB28-5	04/14/2014	N	5	5	<37	<37	<37	<37
SAIA-SB/SG28	SAIA-SB28-15	04/14/2014	N	15	15	<44	<44	<44	<44

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																				
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG28	SAIA-SB28-25	04/14/2014	N	25	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG28	SAIA-SB28-35	04/14/2014	N	35	35	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2
SAIA-SB/SG29	SAIA-SB29-0.5	04/16/2014	N	0.5	0.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<120	<12	<12	<12	<12	<6
SAIA-SB/SG29	SAIA-SB29-2	04/16/2014	N	2	2	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG29	SAIA-SB29-5	04/16/2014	N	5	5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	<11	<5.7
SAIA-SB/SG29	SAIA-SB29-6	04/16/2014	FD	5	5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG29	SAIA-SB29-15	04/16/2014	N	15	15	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG29	SAIA-SB29-25	04/16/2014	N	25	25	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<140	<14	<14	<14	<14	<7.2
SAIA-SB/SG29	SAIA-SB29-35	04/16/2014	N	35	35	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG30	SAIA-SB30-0.5	04/15/2014	N	0.5	0.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	<11	<5.7
SAIA-SB/SG30	SAIA-SB30-2	04/15/2014	N	2	2	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG30	SAIA-SB30-5	04/15/2014	N	5	5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG30	SAIA-SB30-15	04/15/2014	N	15	15	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<140	<14	<14	<14	<14	<6.9
SAIA-SB/SG30	SAIA-SB30-25	04/15/2014	N	25	25	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG30	SAIA-SB30-35	04/15/2014	N	35	35	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<98	<9.8	<9.8	<9.8	<9.8	<4.9
SAIA-SB/SG31	SAIA-SB31-0.5	04/15/2014	N	0.5	0.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<130	<13	<13	<13	<13	<6.4
SAIA-SB/SG31	SAIA-SB31-2	04/15/2014	N	2	2	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG31	SAIA-SB31-5	04/15/2014	N	5	5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG31	SAIA-SB31-15	04/15/2014	N	15	15	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG31	SAIA-SB31-25	04/15/2014	N	25	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2
SAIA-SB/SG31	SAIA-SB31-35	04/15/2014	N	35	35	<5.6	<5.6	**1 J**	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG31	SAIA-SB31-36	04/15/2014	FD	35	35	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG32	SAIA-SB32-0.5	04/15/2014	N	0.5	0.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																							
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG28	SAIA-SB28-25	04/14/2014	N	25	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG28	SAIA-SB28-35	04/14/2014	N	35	35	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG29	SAIA-SB29-0.5	04/16/2014	N	0.5	0.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
SAIA-SB/SG29	SAIA-SB29-2	04/16/2014	N	2	2	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB/SG29	SAIA-SB29-5	04/16/2014	N	5	5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
SAIA-SB/SG29	SAIA-SB29-6	04/16/2014	FD	5	5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG29	SAIA-SB29-15	04/16/2014	N	15	15	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG29	SAIA-SB29-25	04/16/2014	N	25	25	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2
SAIA-SB/SG29	SAIA-SB29-35	04/16/2014	N	35	35	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG30	SAIA-SB30-0.5	04/15/2014	N	0.5	0.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
SAIA-SB/SG30	SAIA-SB30-2	04/15/2014	N	2	2	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG30	SAIA-SB30-5	04/15/2014	N	5	5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG30	SAIA-SB30-15	04/15/2014	N	15	15	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9
SAIA-SB/SG30	SAIA-SB30-25	04/15/2014	N	25	25	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG30	SAIA-SB30-35	04/15/2014	N	35	35	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9
SAIA-SB/SG31	SAIA-SB31-0.5	04/15/2014	N	0.5	0.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
SAIA-SB/SG31	SAIA-SB31-2	04/15/2014	N	2	2	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG31	SAIA-SB31-5	04/15/2014	N	5	5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG31	SAIA-SB31-15	04/15/2014	N	15	15	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG31	SAIA-SB31-25	04/15/2014	N	25	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG31	SAIA-SB31-35	04/15/2014	N	35	35	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB/SG31	SAIA-SB31-36	04/15/2014	FD	35	35	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG32	SAIA-SB32-0.5	04/15/2014	N	0.5	0.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG28	SAIA-SB28-25	04/14/2014	N	25	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG28	SAIA-SB28-35	04/14/2014	N	35	35	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG29	SAIA-SB29-0.5	04/16/2014	N	0.5	0.5	<6	<6	<6	<6	<6	<6	<6	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG29	SAIA-SB29-2	04/16/2014	N	2	2	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG29	SAIA-SB29-5	04/16/2014	N	5	5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<200	--	<200	<200	<200	<200	<200	<400	<200	<200	<200	<200	<200	<200	<400	<200
SAIA-SB/SG29	SAIA-SB29-6	04/16/2014	FD	5	5	<5.9	**1.2 J**	<5.9	<5.9	<5.9	<5.9	<5.9	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<210	<400	<210
SAIA-SB/SG29	SAIA-SB29-15	04/16/2014	N	15	15	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG29	SAIA-SB29-25	04/16/2014	N	25	25	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG29	SAIA-SB29-35	04/16/2014	N	35	35	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG30	SAIA-SB30-0.5	04/15/2014	N	0.5	0.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG30	SAIA-SB30-2	04/15/2014	N	2	2	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180
SAIA-SB/SG30	SAIA-SB30-5	04/15/2014	N	5	5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180
SAIA-SB/SG30	SAIA-SB30-15	04/15/2014	N	15	15	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG30	SAIA-SB30-25	04/15/2014	N	25	25	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG30	SAIA-SB30-35	04/15/2014	N	35	35	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180
SAIA-SB/SG31	SAIA-SB31-0.5	04/15/2014	N	0.5	0.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<190	--	<190	<190	<190	<190	<190	<360	<190	<190	<190	<190	<190	<190	<360	<190
SAIA-SB/SG31	SAIA-SB31-2	04/15/2014	N	2	2	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<190	--	<190	<190	<190	<190	<190	<360	<190	<190	<190	<190	<190	<190	<360	<190
SAIA-SB/SG31	SAIA-SB31-5	04/15/2014	N	5	5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG31	SAIA-SB31-15	04/15/2014	N	15	15	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG31	SAIA-SB31-25	04/15/2014	N	25	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<220	--	<220	<220	<220	<220	<220	<430	<220	<220	<220	<220	<220	<220	<430	<220
SAIA-SB/SG31	SAIA-SB31-35	04/15/2014	N	35	35	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180
SAIA-SB/SG31	SAIA-SB31-36	04/15/2014	FD	35	35	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180
SAIA-SB/SG32	SAIA-SB32-0.5	04/15/2014	N	0.5	0.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Semivolatile (ug/kg)																			
						3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG28	SAIA-SB28-25	04/14/2014	N	25	25	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG28	SAIA-SB28-35	04/14/2014	N	35	35	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG29	SAIA-SB29-0.5	04/16/2014	N	0.5	0.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	**85 J**	**130 J**	<180	**120 J**
SAIA-SB/SG29	SAIA-SB29-2	04/16/2014	N	2	2	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	**12 J**	<180	<180	<180
SAIA-SB/SG29	SAIA-SB29-5	04/16/2014	N	5	5	<200	<400	<400	<200	<200	<200	<200	<200	<400	<400	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG29	SAIA-SB29-6	04/16/2014	FD	5	5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG29	SAIA-SB29-15	04/16/2014	N	15	15	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG29	SAIA-SB29-25	04/16/2014	N	25	25	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG29	SAIA-SB29-35	04/16/2014	N	35	35	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG30	SAIA-SB30-0.5	04/15/2014	N	0.5	0.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG30	SAIA-SB30-2	04/15/2014	N	2	2	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG30	SAIA-SB30-5	04/15/2014	N	5	5	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG30	SAIA-SB30-15	04/15/2014	N	15	15	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG30	SAIA-SB30-25	04/15/2014	N	25	25	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG30	SAIA-SB30-35	04/15/2014	N	35	35	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG31	SAIA-SB31-0.5	04/15/2014	N	0.5	0.5	<190	<360	<360	<190	<190	<190	<190	<190	<360	<360	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG31	SAIA-SB31-2	04/15/2014	N	2	2	<190	<360	<360	<190	<190	<190	<190	<190	<360	<360	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG31	SAIA-SB31-5	04/15/2014	N	5	5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG31	SAIA-SB31-15	04/15/2014	N	15	15	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG31	SAIA-SB31-25	04/15/2014	N	25	25	<220	<430	<430	<220	<220	<220	<220	<220	<430	<430	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG31	SAIA-SB31-35	04/15/2014	N	35	35	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG31	SAIA-SB31-36	04/15/2014	FD	35	35	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG32	SAIA-SB32-0.5	04/15/2014	N	0.5	0.5	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG28	SAIA-SB28-25	04/14/2014	N	25	25	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG28	SAIA-SB28-35	04/14/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG29	SAIA-SB29-0.5	04/16/2014	N	0.5	0.5	**120 J**	<180	<180	<180	<180	<180	**150 J**	<180	<180	**120 J**	<180	<180	<180	<180	**85 J**	<180	**140 J**	<180	<180	<180	<180	<180	**86 J**
SAIA-SB/SG29	SAIA-SB29-2	04/16/2014	N	2	2	<180	<180	<180	<180	<180	<180	**49 J**	<180	<180	**16 J**	<180	<180	**17 J**	<180	**30 J**	<180	**12 J**	<180	<180	<180	<180	<180	<180
SAIA-SB/SG29	SAIA-SB29-5	04/16/2014	N	5	5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG29	SAIA-SB29-6	04/16/2014	FD	5	5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG29	SAIA-SB29-15	04/16/2014	N	15	15	<190	<190	<190	<190	<190	<190	**100 J**	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG29	SAIA-SB29-25	04/16/2014	N	25	25	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG29	SAIA-SB29-35	04/16/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG30	SAIA-SB30-0.5	04/15/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG30	SAIA-SB30-2	04/15/2014	N	2	2	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG30	SAIA-SB30-5	04/15/2014	N	5	5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG30	SAIA-SB30-15	04/15/2014	N	15	15	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG30	SAIA-SB30-25	04/15/2014	N	25	25	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG30	SAIA-SB30-35	04/15/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG31	SAIA-SB31-0.5	04/15/2014	N	0.5	0.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG31	SAIA-SB31-2	04/15/2014	N	2	2	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG31	SAIA-SB31-5	04/15/2014	N	5	5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG31	SAIA-SB31-15	04/15/2014	N	15	15	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG31	SAIA-SB31-25	04/15/2014	N	25	25	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG31	SAIA-SB31-35	04/15/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG31	SAIA-SB31-36	04/15/2014	FD	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG32	SAIA-SB32-0.5	04/15/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)										
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG28	SAIA-SB28-25	04/14/2014	N	25	25	<210	<210	<210	<210	<210	<410	<210	<210	<210	**19,300**	**0.4 J**	**15.3**	**180**	**0.72**	<0.45	**22,400**	**22.9**	**14.1**	**26.8**	**28,900**
SAIA-SB/SG28	SAIA-SB28-35	04/14/2014	N	35	35	<180	<180	<180	<180	<180	<360	<180	<180	<180	**10,800**	**0.19 J**	**13.7**	**105**	**0.42**	<0.39	**13,800**	**12.7**	**8.6**	**11.7**	**18,900**
SAIA-SB/SG29	SAIA-SB29-0.5	04/16/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<350	<180	<180	**180**	**11,300**	<4.9	**5.1**	**119**	**0.49**	**0.58 J**	**5,500**	**158 J**	**197 J**	**89.9**	**30,600**
SAIA-SB/SG29	SAIA-SB29-2	04/16/2014	N	2	2	<180	<180	<180	<180	<180	<360	<180	<180	**19 J**	**13,200**	<4.7	**2.6**	**124**	**0.48**	**0.7**	**7,130**	**24.2**	**13.7**	**20.5**	**24,700**
SAIA-SB/SG29	SAIA-SB29-5	04/16/2014	N	5	5	<200	<200	<200	<200	<200	<400	<200	<200	<200	**19,100**	<5.2	**3.5**	**176**	**0.68**	**1**	**9,500**	**46.8**	**25**	**28.9**	**31,700**
SAIA-SB/SG29	SAIA-SB29-6	04/16/2014	FD	5	5	<210	<210	<210	<210	<210	<400	<210	<210	<210	**14,700**	<5.4	**2.8**	**138**	**0.5**	**0.62**	**7,720**	**21.3**	**10.1**	**17.9**	**23,800**
SAIA-SB/SG29	SAIA-SB29-15	04/16/2014	N	15	15	<190	<190	<190	<190	<190	<370	<190	<190	<190	**14,100**	<4.7	**2.9**	**120**	**0.59**	<0.39	**8,130**	**53**	**25.2**	**27.4**	**23,900**
SAIA-SB/SG29	SAIA-SB29-25	04/16/2014	N	25	25	<210	<210	<210	<210	<210	<410	<210	<210	<210	**21,300**	<5.3	**4.7**	**188**	**0.81**	<0.44	**15,300**	**26.7**	**15.5**	**28.8**	**33,000**
SAIA-SB/SG29	SAIA-SB29-35	04/16/2014	N	35	35	<180	<180	<180	<180	<180	<350	<180	<180	<180	**11,100**	<4.7	**12.9**	**104**	**0.42**	<0.4	**9,900**	**13.7**	**8.3**	**11.2**	**19,500**
SAIA-SB/SG30	SAIA-SB30-0.5	04/15/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**16,800**	**0.99 J**	**4.1**	**152**	**0.62**	<0.39	**11,600**	**22.1**	**13.1**	**21.3**	**28,000**
SAIA-SB/SG30	SAIA-SB30-2	04/15/2014	N	2	2	<180	<180	<180	<180	<180	<340	<180	<180	<180	**15,800**	**0.7 J**	**4.3**	**156**	**0.61**	<0.38	**9,900**	**19.1**	**12.1**	**21**	**25,300 J**
SAIA-SB/SG30	SAIA-SB30-5	04/15/2014	N	5	5	<180	<180	<180	<180	<180	<340	<180	<180	<180	**14,300**	**0.6 J**	**3.8**	**143**	**0.58**	<0.37	**8,890**	**18**	**11.4**	**18.5**	**23,900**
SAIA-SB/SG30	SAIA-SB30-15	04/15/2014	N	15	15	<190	<190	<190	<190	<190	<370	<190	<190	<190	**20,400**	**0.45 J**	**5.5**	**167**	**0.81**	<0.39	**13,500**	**23.5**	**15.3**	**26.9**	**30,000**
SAIA-SB/SG30	SAIA-SB30-25	04/15/2014	N	25	25	<190	<190	<190	<190	<190	<370	<190	<190	<190	**21,500**	**0.6 J**	**6.2**	**182**	**0.8**	<0.4	**19,500**	**25.9**	**16.5**	**31.4**	**31,200**
SAIA-SB/SG30	SAIA-SB30-35	04/15/2014	N	35	35	<180	<180	<180	<180	<180	<340	<180	<180	<180	**8,380**	<4.6	**10**	**76.6**	**0.36 J**	<0.39	**5,660**	**10.1**	**6.7**	**10.3**	**15,700**
SAIA-SB/SG31	SAIA-SB31-0.5	04/15/2014	N	0.5	0.5	<190	<190	<190	<190	<190	<360	<190	<190	<190	**13,900**	**1.5 J**	**5**	**141**	**0.52**	<0.41	**6,990**	**17**	**10.8**	**20**	**22,500**
SAIA-SB/SG31	SAIA-SB31-2	04/15/2014	N	2	2	<190	<190	<190	<190	<190	<360	<190	<190	<190	**14,400**	**0.43 J**	**4.7**	**144**	**0.53**	<0.41	**7,480**	**17.6**	**11.3**	**19.2**	**22,900**
SAIA-SB/SG31	SAIA-SB31-5	04/15/2014	N	5	5	<190	<190	<190	<190	<190	<370	<190	<190	<190	**15,900**	**0.36 J**	**4**	**152**	**0.63**	<0.42	**9,460**	**19.2**	**11.7**	**21**	**24,600**
SAIA-SB/SG31	SAIA-SB31-15	04/15/2014	N	15	15	<200	<200	<200	<200	<200	<390	<200	<200	<200	**22,200**	**0.33 J**	**5.9**	**199**	**0.94**	<0.44	**10,800**	**24.4**	**15.1**	**30.4**	**29,900**
SAIA-SB/SG31	SAIA-SB31-25	04/15/2014	N	25	25	<220	<220	<220	<220	<220	<430	<220	<220	<220	**29,300**	**0.85 J**	**10.2**	**250**	**1.3**	<0.47	**13,100**	**36.8**	**22**	**49.4**	**40,000**
SAIA-SB/SG31	SAIA-SB31-35	04/15/2014	N	35	35	<180	<180	<180	<180	<180	<340	<180	<180	<180	**8,090**	<4.7	**10**	**84**	**0.33 J**	<0.39	**4,710**	**8.8**	**6.2**	**8.5**	**14,100**
SAIA-SB/SG31	SAIA-SB31-36	04/15/2014	FD	35	35	<180	<180	<180	<180	<180	<340	<180	<180	<180	**7,570**	**0.16 J**	**9.1**	**75.6**	**0.32 J**	<0.38	**4,260**	**7.9**	**5.7**	**8.2**	**13,000**
SAIA-SB/SG32	SAIA-SB32-0.5	04/15/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<360	<180	<180	<180	**12,600**	**1.1 J**	**4.2**	**138**	**0.49**	**0.99**	**5,530**	**16.3**	**11.9**	**18.3**	**20,900**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG28	SAIA-SB28-25	04/14/2014	N	25	25	**5.8**	**10,500**	**659**	**19.2**	**4,960**	**3 J**	<0.91	**1,020**	<2.3	**53.4**	**68.2**	<0.11	<40	<40	<40	<40	<40
SAIA-SB/SG28	SAIA-SB28-35	04/14/2014	N	35	35	**2.6**	**6,790**	**342**	**10.2**	**3,650**	**2.1 J**	<0.77	**577**	<1.9	**32.8**	**45.7**	<0.1	<35	<35	<35	<35	<35
SAIA-SB/SG29	SAIA-SB29-0.5	04/16/2014	N	0.5	0.5	**209**	**5,960**	**944**	**49.8**	**3,450**	**6**	**2.7**	**297 J**	<2	**84.1**	**441**	**0.041 J**	<35	<35	<35	<35	<35
SAIA-SB/SG29	SAIA-SB29-2	04/16/2014	N	2	2	**13.8 J**	**6,470**	**344**	**13.9**	**4,420**	**2.9**	<0.78	<388	<1.9	**47.3**	**75.3**	**0.023 J**	<36	<36	<36	<36	<36
SAIA-SB/SG29	SAIA-SB29-5	04/16/2014	N	5	5	**18.3 J**	**8,540**	**444**	**20.4**	**5,300**	**4.2**	**1**	<435	<2.2	**66.8**	**86.6**	**0.032 J**	<39	<39	<39	<39	<39
SAIA-SB/SG29	SAIA-SB29-6	04/16/2014	FD	5	5	**5.5 J**	**6,570**	**321**	**13.3**	**4,140**	**2.5 J**	<0.89	<446	<2.2	**46**	**54.4**	**0.082 J**	<40	<40	<40	<40	<40
SAIA-SB/SG29	SAIA-SB29-15	04/16/2014	N	15	15	**32.3**	**7,050**	**340**	**19.6**	**3,890**	**2.9**	**0.71 J**	**410**	<1.9	**54.2**	**110**	**0.037 J**	<37	<37	<37	<37	<37
SAIA-SB/SG29	SAIA-SB29-25	04/16/2014	N	25	25	**6**	**11,100**	**550**	**21.1**	**5,460**	**3 J**	**0.31 J**	**932**	<2.2	**63**	**77.4**	**0.066 J**	<40	<40	<40	<40	<40
SAIA-SB/SG29	SAIA-SB29-35	04/16/2014	N	35	35	**2.7**	**6,630**	**337**	**9.8**	**3,780**	**1.9 J**	**0.23 J**	**432**	<2	**35.2**	**46.2**	**0.015 J**	<35	<35	<35	<35	<35
SAIA-SB/SG30	SAIA-SB30-0.5	04/15/2014	N	0.5	0.5	**16.6**	**8,610**	**421**	**17.4**	**5,320**	**3.5**	<0.79	**428**	<2	**52.8**	**71.9**	**0.11**	<35	<35	<35	<35	<35
SAIA-SB/SG30	SAIA-SB30-2	04/15/2014	N	2	2	**14.9**	**8,360**	**397 J**	**16.3**	**4,960**	**2.6**	<0.75	**603**	<1.9	**45.6 J**	**64.9 J**	<0.11	<34	<34	<34	<34	<34
SAIA-SB/SG30	SAIA-SB30-5	04/15/2014	N	5	5	**11.9**	**7,900**	**345**	**15.3**	**4,700**	**2.3 J**	<0.73	**491**	<1.8	**42.8**	**62.8**	<0.09	<34	<34	<34	<34	<34
SAIA-SB/SG30	SAIA-SB30-15	04/15/2014	N	15	15	**6.5**	**9,850**	**440**	**20.2**	**5,030**	**2.8**	<0.78	**1,850**	<1.9	**55.7**	**72.9**	<0.095	<37	<37	<37	<37	<37
SAIA-SB/SG30	SAIA-SB30-25	04/15/2014	N	25	25	**6.4**	**10,800**	**570**	**23**	**5,170**	**2.9**	<0.8	**1,430**	<2	**54.8**	**77.9**	<0.1	<37	<37	<37	<37	<37
SAIA-SB/SG30	SAIA-SB30-35	04/15/2014	N	35	35	**2.3**	**4,990**	**233**	**7.6**	**2,620**	**1.8 J**	<0.77	**449**	<1.9	**27.9**	**34.9**	<0.094	<34	<34	<34	<34	<34
SAIA-SB/SG31	SAIA-SB31-0.5	04/15/2014	N	0.5	0.5	**47.6**	**7,420**	**352**	**14.3**	**4,970**	**2.3 J**	<0.82	**328 J**	<2.1	**39.3**	**68.7**	<0.1	<36	<36	<36	<36	<36
SAIA-SB/SG31	SAIA-SB31-2	04/15/2014	N	2	2	**9.9**	**7,670**	**353**	**14.8**	**5,060**	**2.1 J**	<0.82	**353 J**	<2.1	**40.4**	**59.6**	<0.097	<36	<36	<36	<36	<36
SAIA-SB/SG31	SAIA-SB31-5	04/15/2014	N	5	5	**6.3**	**7,820**	**368**	**15.1**	**4,120**	**2.3 J**	<0.85	**450**	<2.1	**44.5**	**59.1**	<0.11	<37	<37	<37	<37	<37
SAIA-SB/SG31	SAIA-SB31-15	04/15/2014	N	15	15	**8**	**10,100**	**393**	**20.5**	**4,780**	**2.9 J**	<0.88	**955**	<2.2	**57.9**	**74.9**	<0.11	<39	<39	<39	<39	<39
SAIA-SB/SG31	SAIA-SB31-25	04/15/2014	N	25	25	**12.4**	**13,300**	**581**	**33**	**4,940**	**3.5**	<0.95	**1,740**	<2.4	**76.8**	**94.4**	<0.11	<43	<43	<43	<43	<43
SAIA-SB/SG31	SAIA-SB31-35	04/15/2014	N	35	35	**2.1**	**4,560**	**221**	**7**	**2,400**	**1.4 J**	<0.78	**376 J**	<1.9	**24.3**	**33.7**	<0.09	<34	<34	<34	<34	<34
SAIA-SB/SG31	SAIA-SB31-36	04/15/2014	FD	35	35	**2.1**	**4,230**	**200**	**6.4**	**2,230**	**1.2 J**	<0.75	**371 J**	<1.9	**22.3**	**31.3**	<0.099	<34	<34	<34	<34	<34
SAIA-SB/SG32	SAIA-SB32-0.5	04/15/2014	N	0.5	0.5	**45.1**	**6,800**	**411**	**24.1**	**4,780**	**1.8 J**	<0.77	**272 J**	<1.9	**36.3**	**470**	<0.11	<36	<36	<36	<36	<36

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG28	SAIA-SB28-25	04/14/2014	N	25	25	<40	<40	<40	<40
SAIA-SB/SG28	SAIA-SB28-35	04/14/2014	N	35	35	<35	<35	<35	<35
SAIA-SB/SG29	SAIA-SB29-0.5	04/16/2014	N	0.5	0.5	**29 J**	**29 J**	<35	<35
SAIA-SB/SG29	SAIA-SB29-2	04/16/2014	N	2	2	<36	**10 J**	<36	<36
SAIA-SB/SG29	SAIA-SB29-5	04/16/2014	N	5	5	<39	**5.3 J**	<39	<39
SAIA-SB/SG29	SAIA-SB29-6	04/16/2014	FD	5	5	<40	**15 J**	<40	<40
SAIA-SB/SG29	SAIA-SB29-15	04/16/2014	N	15	15	**91**	**72**	<37	<37
SAIA-SB/SG29	SAIA-SB29-25	04/16/2014	N	25	25	<40	<40	<40	<40
SAIA-SB/SG29	SAIA-SB29-35	04/16/2014	N	35	35	<35	**390**	<35	<35
SAIA-SB/SG30	SAIA-SB30-0.5	04/15/2014	N	0.5	0.5	<35	<35	<35	<35
SAIA-SB/SG30	SAIA-SB30-2	04/15/2014	N	2	2	<34	<34	<34	<34
SAIA-SB/SG30	SAIA-SB30-5	04/15/2014	N	5	5	<34	<34	<34	<34
SAIA-SB/SG30	SAIA-SB30-15	04/15/2014	N	15	15	<37	<37	<37	<37
SAIA-SB/SG30	SAIA-SB30-25	04/15/2014	N	25	25	<37	<37	<37	<37
SAIA-SB/SG30	SAIA-SB30-35	04/15/2014	N	35	35	<34	<34	<34	<34
SAIA-SB/SG31	SAIA-SB31-0.5	04/15/2014	N	0.5	0.5	<36	<36	<36	<36
SAIA-SB/SG31	SAIA-SB31-2	04/15/2014	N	2	2	<36	<36	<36	<36
SAIA-SB/SG31	SAIA-SB31-5	04/15/2014	N	5	5	<37	<37	<37	<37
SAIA-SB/SG31	SAIA-SB31-15	04/15/2014	N	15	15	<39	<39	<39	<39
SAIA-SB/SG31	SAIA-SB31-25	04/15/2014	N	25	25	<43	<43	<43	<43
SAIA-SB/SG31	SAIA-SB31-35	04/15/2014	N	35	35	<34	<34	<34	<34
SAIA-SB/SG31	SAIA-SB31-36	04/15/2014	FD	35	35	<34	<34	<34	<34
SAIA-SB/SG32	SAIA-SB32-0.5	04/15/2014	N	0.5	0.5	**47 J**	**12 J**	<36	<36

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																				
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG32	SAIA-SB32-2	04/15/2014	N	2	2	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG32	SAIA-SB32-5	04/15/2014	N	5	5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB/SG32	SAIA-SB32-15	04/15/2014	N	15	15	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG32	SAIA-SB32-25	04/15/2014	N	25	25	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG32	SAIA-SB32-35	04/15/2014	N	35	35	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG33	SAIA-SB33-0.5	04/15/2014	N	0.5	0.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG33	SAIA-SB33-2	04/15/2014	N	2	2	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG33	SAIA-SB33-5	04/15/2014	N	5	5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG33	SAIA-SB33-15	04/15/2014	N	15	15	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG33	SAIA-SB33-25	04/15/2014	N	25	25	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<130	<13	<13	<13	<13	<6.4
SAIA-SB/SG33	SAIA-SB33-35	04/15/2014	N	35	35	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG34	SAIA-SB34-0.5	04/15/2014	N	0.5	0.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<99	<9.9	<9.9	<9.9	<9.9	<5
SAIA-SB/SG34	SAIA-SB34-2	04/15/2014	N	2	2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2
SAIA-SB/SG34	SAIA-SB34-5	04/15/2014	N	5	5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG34	SAIA-SB34-15	04/15/2014	N	15	15	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG34	SAIA-SB34-16	04/15/2014	FD	15	15	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG34	SAIA-SB34-25	04/15/2014	N	25	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG34	SAIA-SB34-35	04/15/2014	N	35	35	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG35	SAIA-SB35-0.5	04/18/2014	N	0.5	0.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<110	<11	<11	<11	<11	<5.4
SAIA-SB/SG35	SAIA-SB35-2	04/18/2014	N	2	2	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG35	SAIA-SB35-3	04/18/2014	FD	2	2	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	<11	<5.7
SAIA-SB/SG35	SAIA-SB35-5	04/18/2014	N	5	5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	<11	<5.7
SAIA-SB/SG35	SAIA-SB35-15	04/18/2014	N	15	15	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																							
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG32	SAIA-SB32-2	04/15/2014	N	2	2	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG32	SAIA-SB32-5	04/15/2014	N	5	5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG32	SAIA-SB32-15	04/15/2014	N	15	15	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	**13**	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG32	SAIA-SB32-25	04/15/2014	N	25	25	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG32	SAIA-SB32-35	04/15/2014	N	35	35	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG33	SAIA-SB33-0.5	04/15/2014	N	0.5	0.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB/SG33	SAIA-SB33-2	04/15/2014	N	2	2	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG33	SAIA-SB33-5	04/15/2014	N	5	5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	**7.6 J**	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB/SG33	SAIA-SB33-15	04/15/2014	N	15	15	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG33	SAIA-SB33-25	04/15/2014	N	25	25	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
SAIA-SB/SG33	SAIA-SB33-35	04/15/2014	N	35	35	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**10 J**	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG34	SAIA-SB34-0.5	04/15/2014	N	0.5	0.5	<5	<5	<5	<5	<5	<5	<5	<5	**8.7**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-SB/SG34	SAIA-SB34-2	04/15/2014	N	2	2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG34	SAIA-SB34-5	04/15/2014	N	5	5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG34	SAIA-SB34-15	04/15/2014	N	15	15	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG34	SAIA-SB34-16	04/15/2014	FD	15	15	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB/SG34	SAIA-SB34-25	04/15/2014	N	25	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG34	SAIA-SB34-35	04/15/2014	N	35	35	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG35	SAIA-SB35-0.5	04/18/2014	N	0.5	0.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG35	SAIA-SB35-2	04/18/2014	N	2	2	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG35	SAIA-SB35-3	04/18/2014	FD	2	2	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
SAIA-SB/SG35	SAIA-SB35-5	04/18/2014	N	5	5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
SAIA-SB/SG35	SAIA-SB35-15	04/18/2014	N	15	15	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG32	SAIA-SB32-2	04/15/2014	N	2	2	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG32	SAIA-SB32-5	04/15/2014	N	5	5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<210	<400	<210
SAIA-SB/SG32	SAIA-SB32-15	04/15/2014	N	15	15	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG32	SAIA-SB32-25	04/15/2014	N	25	25	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<200	--	<200	<200	<200	<200	<200	<400	<200	<200	<200	<200	<200	<200	<400	<200
SAIA-SB/SG32	SAIA-SB32-35	04/15/2014	N	35	35	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG33	SAIA-SB33-0.5	04/15/2014	N	0.5	0.5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG33	SAIA-SB33-2	04/15/2014	N	2	2	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG33	SAIA-SB33-5	04/15/2014	N	5	5	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG33	SAIA-SB33-15	04/15/2014	N	15	15	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG33	SAIA-SB33-25	04/15/2014	N	25	25	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<210	--	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	**590**	<210	<400	<210
SAIA-SB/SG33	SAIA-SB33-35	04/15/2014	N	35	35	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG34	SAIA-SB34-0.5	04/15/2014	N	0.5	0.5	<5	<5	<5	<5	<5	<5	<5	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG34	SAIA-SB34-2	04/15/2014	N	2	2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG34	SAIA-SB34-5	04/15/2014	N	5	5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG34	SAIA-SB34-15	04/15/2014	N	15	15	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG34	SAIA-SB34-16	04/15/2014	FD	15	15	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190
SAIA-SB/SG34	SAIA-SB34-25	04/15/2014	N	25	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG34	SAIA-SB34-35	04/15/2014	N	35	35	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<170	--	<170	<170	<170	<170	<170	<340	<170	<170	<170	<170	<170	<170	<340	<170
SAIA-SB/SG35	SAIA-SB35-0.5	04/18/2014	N	0.5	0.5	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG35	SAIA-SB35-2	04/18/2014	N	2	2	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG35	SAIA-SB35-3	04/18/2014	FD	2	2	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<190	--	<190	<190	<190	<190	<190	<360	<190	<190	<190	<190	<190	<190	<360	<190
SAIA-SB/SG35	SAIA-SB35-5	04/18/2014	N	5	5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG35	SAIA-SB35-15	04/18/2014	N	15	15	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<190	--	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<190	<370	<190

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Semivolatile (ug/kg)																			
						3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG32	SAIA-SB32-2	04/15/2014	N	2	2	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG32	SAIA-SB32-5	04/15/2014	N	5	5	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG32	SAIA-SB32-15	04/15/2014	N	15	15	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG32	SAIA-SB32-25	04/15/2014	N	25	25	<200	<400	<400	<200	<200	<200	<200	<200	<400	<400	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG32	SAIA-SB32-35	04/15/2014	N	35	35	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG33	SAIA-SB33-0.5	04/15/2014	N	0.5	0.5	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	**88 J**	<180	<180
SAIA-SB/SG33	SAIA-SB33-2	04/15/2014	N	2	2	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG33	SAIA-SB33-5	04/15/2014	N	5	5	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG33	SAIA-SB33-15	04/15/2014	N	15	15	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG33	SAIA-SB33-25	04/15/2014	N	25	25	<210	<400	<400	<210	<210	<210	<210	<210	<400	<400	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG33	SAIA-SB33-35	04/15/2014	N	35	35	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG34	SAIA-SB34-0.5	04/15/2014	N	0.5	0.5	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	**81 J**	<170	<170
SAIA-SB/SG34	SAIA-SB34-2	04/15/2014	N	2	2	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG34	SAIA-SB34-5	04/15/2014	N	5	5	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG34	SAIA-SB34-15	04/15/2014	N	15	15	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG34	SAIA-SB34-16	04/15/2014	FD	15	15	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG34	SAIA-SB34-25	04/15/2014	N	25	25	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG34	SAIA-SB34-35	04/15/2014	N	35	35	<170	<340	<340	<170	<170	<170	<170	<170	<340	<340	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG35	SAIA-SB35-0.5	04/18/2014	N	0.5	0.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG35	SAIA-SB35-2	04/18/2014	N	2	2	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG35	SAIA-SB35-3	04/18/2014	FD	2	2	<190	<360	<360	<190	<190	<190	<190	<190	<360	<360	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG35	SAIA-SB35-5	04/18/2014	N	5	5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG35	SAIA-SB35-15	04/18/2014	N	15	15	<190	<370	<370	<190	<190	<190	<190	<190	<370	<370	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Semivolatiles (in ug/kg)																					
						Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG32	SAIA-SB32-2	04/15/2014	N	2	2	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG32	SAIA-SB32-5	04/15/2014	N	5	5	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG32	SAIA-SB32-15	04/15/2014	N	15	15	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG32	SAIA-SB32-25	04/15/2014	N	25	25	<200	<200	<200	<200	<200	<200	**340**	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG32	SAIA-SB32-35	04/15/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG33	SAIA-SB33-0.5	04/15/2014	N	0.5	0.5	**80 J**	<180	<180	<180	<180	<180	<180	<180	<180	**110 J**	<180	<180	<180	<180	<180	<180	**80 J**	<180	<180	<180	<180	<180
SAIA-SB/SG33	SAIA-SB33-2	04/15/2014	N	2	2	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG33	SAIA-SB33-5	04/15/2014	N	5	5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG33	SAIA-SB33-15	04/15/2014	N	15	15	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG33	SAIA-SB33-25	04/15/2014	N	25	25	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG33	SAIA-SB33-35	04/15/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG34	SAIA-SB34-0.5	04/15/2014	N	0.5	0.5	**73 J**	<170	<170	<170	<170	<170	<170	<170	<170	**100 J**	<170	<170	<170	<170	<170	<170	**71 J**	<170	<170	<170	<170	<170
SAIA-SB/SG34	SAIA-SB34-2	04/15/2014	N	2	2	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG34	SAIA-SB34-5	04/15/2014	N	5	5	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG34	SAIA-SB34-15	04/15/2014	N	15	15	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG34	SAIA-SB34-16	04/15/2014	FD	15	15	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG34	SAIA-SB34-25	04/15/2014	N	25	25	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG34	SAIA-SB34-35	04/15/2014	N	35	35	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170	<170
SAIA-SB/SG35	SAIA-SB35-0.5	04/18/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG35	SAIA-SB35-2	04/18/2014	N	2	2	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG35	SAIA-SB35-3	04/18/2014	FD	2	2	<190	<190	<190	<190	<190	<190	**87 J**	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB/SG35	SAIA-SB35-5	04/18/2014	N	5	5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG35	SAIA-SB35-15	04/18/2014	N	15	15	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)									
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG32	SAIA-SB32-2	04/15/2014	N	2	2	<180	<180	<180	<180	<180	<360	<180	<180	<180	**11,600**	**0.2 J**	**3.7**	**114**	**0.43**	<0.38	**6,060**	**14.3**	**9.2**	**13.8**	**19,500**
SAIA-SB/SG32	SAIA-SB32-5	04/15/2014	N	5	5	<210	<210	<210	<210	<210	<400	<210	<210	<210	**18,600**	**0.34 J**	**4.3**	**181**	**0.74**	<0.44	**10,500**	**22.9**	**14.5**	**24**	**28,300**
SAIA-SB/SG32	SAIA-SB32-15	04/15/2014	N	15	15	<180	<180	<180	<180	<180	<350	<180	<180	<180	**15,600**	<4.7	**3.1**	**146**	**0.66**	<0.39	**7,340**	**22**	**12.2**	**20.9**	**24,800**
SAIA-SB/SG32	SAIA-SB32-25	04/15/2014	N	25	25	<200	<200	<200	<200	<200	<400	<200	<200	<200	**20,700**	<5.2	**5.7**	**211**	**0.85**	<0.43	**11,600**	**28.4**	**16.9**	**34.6**	**30,800**
SAIA-SB/SG32	SAIA-SB32-35	04/15/2014	N	35	35	<180	<180	<180	<180	<180	<350	<180	<180	<180	**7,840**	<4.4	**8.9**	**73.8**	<0.37	<0.37	**4,340**	**10.2**	**6.7**	**9.4**	**15,500**
SAIA-SB/SG33	SAIA-SB33-0.5	04/15/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<360	<180	<180	**94 J**	**10,500**	<4.7	**3.3**	**115**	**0.41**	<0.39	**6,050**	**15.3**	**8.7**	**25.8**	**20,300**
SAIA-SB/SG33	SAIA-SB33-2	04/15/2014	N	2	2	<180	<180	<180	<180	<180	<360	<180	<180	<180	**10,600**	<4.4	**2.8**	**111**	**0.42**	<0.36	**6,450**	**14.4**	**8.6**	**14.9**	**18,700**
SAIA-SB/SG33	SAIA-SB33-5	04/15/2014	N	5	5	<190	<190	<190	<190	<190	<370	<190	<190	<190	**18,000**	<4.5	**3.9**	**178**	**0.73**	<0.37	**9,800**	**22.3**	**14.1 J**	**22.7**	**27,500**
SAIA-SB/SG33	SAIA-SB33-15	04/15/2014	N	15	15	<190	<190	<190	<190	<190	<370	<190	<190	<190	**13,900**	<4.6	**2.8**	**128**	**0.57**	<0.38	**6,640**	**18.6**	**11.1**	**17.6**	**23,400**
SAIA-SB/SG33	SAIA-SB33-25	04/15/2014	N	25	25	<210	**150 J**	<210	<210	<210	<400	<210	<210	<210	**25,000**	<5.3	**10.3**	**239**	**1.1**	<0.44	**14,400**	**33.9**	**19.8**	**43.8**	**35,600**
SAIA-SB/SG33	SAIA-SB33-35	04/15/2014	N	35	35	<180	<180	<180	<180	<180	<350	<180	<180	<180	**9,910**	<4.8	**10.1**	**101**	<0.4	<0.4	**8,470**	**12**	**8.2**	**11.9**	**17,100**
SAIA-SB/SG34	SAIA-SB34-0.5	04/15/2014	N	0.5	0.5	<170	<170	<170	<170	<170	<340	<170	<170	**81 J**	**9,600**	**10**	**12.1**	**156**	**0.88**	<0.39	**14,300**	**1,020**	**16.3**	**212**	**55,400**
SAIA-SB/SG34	SAIA-SB34-2	04/15/2014	N	2	2	<170	<170	<170	<170	<170	<340	<170	<170	<170	**11,600**	<4.2	**3**	**118**	**0.44**	<0.35	**7,910**	**17.5**	**9.9**	**18.9**	**21,300**
SAIA-SB/SG34	SAIA-SB34-5	04/15/2014	N	5	5	<170	<170	<170	<170	<170	<340	<170	<170	<170	**17,100**	<4.8	**3.5**	**174**	**0.69**	<0.4	**8,390**	**22.4**	**13.8**	**22.1**	**28,100**
SAIA-SB/SG34	SAIA-SB34-15	04/15/2014	N	15	15	<180	<180	<180	<180	<180	<350	<180	<180	<180	**12,100**	<4.7	**3.4**	**111**	**0.52**	<0.39	**20,200**	**16.4**	**9.6**	**14**	**21,200**
SAIA-SB/SG34	SAIA-SB34-16	04/15/2014	FD	15	15	<190	<190	<190	<190	<190	<370	<190	<190	<190	**13,900**	<4.4	**3.7**	**129**	**0.58**	<0.37	**12,300**	**18.8**	**11.3**	**16.2**	**23,200**
SAIA-SB/SG34	SAIA-SB34-25	04/15/2014	N	25	25	<210	<210	<210	<210	<210	<410	<210	<210	<210	**28,800**	<5.7	**10.7**	**240**	**1.3**	<0.47	**15,500**	**36.1**	**24.6**	**55.2**	**41,900**
SAIA-SB/SG34	SAIA-SB34-35	04/15/2014	N	35	35	<170	<170	<170	<170	<170	<340	<170	<170	<170	**7,760**	**19.1**	<0.71	**73.8**	**0.36**	**0.28 J**	**3,730**	**9.3**	**4.4**	**8**	**13,700**
SAIA-SB/SG35	SAIA-SB35-0.5	04/18/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**14,400**	**0.92 J**	**2.8**	**151**	**0.51**	**0.29 J**	**8,030**	**19.5**	**10.7**	**20.5**	**24,700**
SAIA-SB/SG35	SAIA-SB35-2	04/18/2014	N	2	2	<180	<180	<180	<180	<180	<350	<180	<180	<180	**13,100**	**0.69 J**	**2.6**	**131**	**0.45**	**0.21 J**	**7,280**	**17.7**	**9.3**	**19.7**	**22,100**
SAIA-SB/SG35	SAIA-SB35-3	04/18/2014	FD	2	2	<190	<190	<190	<190	<190	<360	<190	<190	<190	**14,400**	**0.69 J**	**2.6**	**143**	**0.51**	**0.22 J**	**7,960**	**19.3**	**10.2**	**18.3**	**24,200**
SAIA-SB/SG35	SAIA-SB35-5	04/18/2014	N	5	5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**14,300**	**0.65 J**	**2.8**	**127**	**0.55**	**0.18 J**	**7,930**	**17.5**	**9.4**	**17.5**	**23,000**
SAIA-SB/SG35	SAIA-SB35-15	04/18/2014	N	15	15	<190	<190	<190	<190	<190	<370	<190	<190	<190	**14,100**	**0.59 J**	**2.9**	**136**	**0.5**	**0.17 J**	**6,660**	**18.3**	**10**	**15.6**	**24,400**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG32	SAIA-SB32-2	04/15/2014	N	2	2	**5.1**	**6,180**	**285**	**11.9**	**4,100**	**1.9 J**	<0.76	**281 J**	<1.9	**35.6**	**54.5**	<0.096	<36	<36	<36	<36	<36
SAIA-SB/SG32	SAIA-SB32-5	04/15/2014	N	5	5	**6.7**	**10,200**	**461**	**19.6**	**5,920**	**2.6 J**	<0.88	**492**	<2.2	**50.8**	**85.3**	<0.1	<40	<40	<40	<40	<40
SAIA-SB/SG32	SAIA-SB32-15	04/15/2014	N	15	15	**4.8**	**8,140**	**323**	**15.8**	**4,260**	**2.8**	<0.79	**783**	<2	**47**	**60.4**	**0.031 J**	<35	<35	<35	<35	<35
SAIA-SB/SG32	SAIA-SB32-25	04/15/2014	N	25	25	**7.3**	**10,700**	**508**	**25.1**	**4,560**	**3.2**	<0.86	**1,220**	<2.2	**53.7**	**75.5**	**0.12**	<40	<40	<40	<40	<40
SAIA-SB/SG32	SAIA-SB32-35	04/15/2014	N	35	35	**2**	**4,540**	**224**	**7.1**	**2,440**	**1.9 J**	<0.73	**325 J**	<1.8	**28.7**	**33.2**	**0.032 J**	<35	<35	<35	<35	<35
SAIA-SB/SG33	SAIA-SB33-0.5	04/15/2014	N	0.5	0.5	**59**	**5,710**	**323**	**12.4**	**4,000**	**2.3 J**	<0.79	**337 J**	<2	**34.4**	**103**	**0.017 J**	<36	<36	<36	<36	<36
SAIA-SB/SG33	SAIA-SB33-2	04/15/2014	N	2	2	**12.5**	**5,910**	**291**	**11**	**4,090**	**2 J**	<0.73	**286 J**	<1.8	**34**	**56**	**0.021 J**	<36	<36	<36	<36	<36
SAIA-SB/SG33	SAIA-SB33-5	04/15/2014	N	5	5	**5.1 J**	**10,000**	**460**	**18 J**	**5,560**	**3.2**	<0.74	**531**	<1.9	**50.5**	**72.7**	**0.041 J**	<37	<37	<37	<37	<37
SAIA-SB/SG33	SAIA-SB33-15	04/15/2014	N	15	15	**4.1**	**8,030**	**323**	**14.5**	**4,450**	**2.6 J**	<0.77	**462**	<1.9	**44.2**	**57.9**	**0.026 J**	<37	<37	<37	<37	<37
SAIA-SB/SG33	SAIA-SB33-25	04/15/2014	N	25	25	**11.1**	**12,200**	**596**	**29.5**	**4,970**	**3.9**	<0.88	**1,460**	<2.2	**64.9**	**84.9**	**0.1 J**	<40	<40	<40	<40	<40
SAIA-SB/SG33	SAIA-SB33-35	04/15/2014	N	35	35	**2**	**6,260**	**291**	**9**	**3,540**	**2.3 J**	<0.8	**502**	<2	**30.6**	**43.5**	**0.027 J**	<34	<34	<34	<34	<34
SAIA-SB/SG34	SAIA-SB34-0.5	04/15/2014	N	0.5	0.5	**184**	**2,460**	**1,920**	**585**	**1,470**	**5.9**	<0.77	**566**	**0.36 J**	**39.6**	**268**	**0.016 J**	<34	<34	<34	<34	<34
SAIA-SB/SG34	SAIA-SB34-2	04/15/2014	N	2	2	**22.1**	**6,360**	**350**	**13.4**	**4,600**	**2.4**	<0.7	**277 J**	<1.7	**38**	**70.2**	**0.025 J**	<34	<34	<34	<34	<34
SAIA-SB/SG34	SAIA-SB34-5	04/15/2014	N	5	5	**8.6**	**9,820**	**475**	**18.1**	**7,750**	**3.2**	<0.81	**338 J**	<2	**51.6**	**80.8**	**0.024 J**	<34	<34	<34	<34	<34
SAIA-SB/SG34	SAIA-SB34-15	04/15/2014	N	15	15	**3.1**	**7,370**	**343**	**12.6**	**3,690**	**2.5 J**	<0.79	**1,170**	<2	**40.9**	**49.9**	**0.027 J**	<35	<35	<35	<35	<35
SAIA-SB/SG34	SAIA-SB34-16	04/15/2014	FD	15	15	**3.6**	**7,960**	**344**	**15**	**4,070**	**2.9**	<0.73	**1,360**	<1.8	**44.9**	**56.1**	**0.027 J**	<37	<37	<37	<37	<37
SAIA-SB/SG34	SAIA-SB34-25	04/15/2014	N	25	25	**13.9**	**13,500**	**751**	**36.1**	**4,560**	**4.5**	<0.95	**2,200**	<2.4	**79.3**	**92.2**	**0.02 J**	<41	<41	<41	<41	<41
SAIA-SB/SG34	SAIA-SB34-35	04/15/2014	N	35	35	<0.71	**4,410**	**214**	**8.7**	**2,510**	**11.3**	<0.71	**407**	**26.2**	**24.2**	**31**	**0.066 J**	<34	<34	<34	<34	<34
SAIA-SB/SG35	SAIA-SB35-0.5	04/18/2014	N	0.5	0.5	**16.2**	**7,760**	**385**	**15**	**5,330**	**3.7**	<0.76	**324 J**	<1.9	**45.3**	**79.7**	<0.1	<35	<35	<35	<35	<35
SAIA-SB/SG35	SAIA-SB35-2	04/18/2014	N	2	2	**6.5**	**6,830**	**330**	**13.3**	**4,570**	**3.4**	<0.78	**299 J**	<1.9	**41.6**	**52.3**	<0.11	<35	<35	<35	<35	<35
SAIA-SB/SG35	SAIA-SB35-3	04/18/2014	FD	2	2	**5.4**	**7,560**	**361**	**14.2**	**5,110**	**3.8**	<0.84	**334 J**	<2.1	**44.5**	**59**	<0.1	<36	<36	<36	<36	<36
SAIA-SB/SG35	SAIA-SB35-5	04/18/2014	N	5	5	**4.4**	**7,130**	**354**	**12.9**	**4,050**	**3.3**	<0.83	**388 J**	<2.1	**44.7**	**51.5**	<0.1	<35	<35	<35	<35	<35
SAIA-SB/SG35	SAIA-SB35-15	04/18/2014	N	15	15	**3.3**	**8,260**	**330**	**12.9**	**4,480**	**3.7**	<0.77	**1,270**	<1.9	**49.2**	**53.6**	<0.095	<37	<37	<37	<37	<37

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG32	SAIA-SB32-2	04/15/2014	N	2	2	**49 J**	**12 J**	<36	<36
SAIA-SB/SG32	SAIA-SB32-5	04/15/2014	N	5	5	**16 J**	<40	<40	<40
SAIA-SB/SG32	SAIA-SB32-15	04/15/2014	N	15	15	**20 J**	<35	<35	<35
SAIA-SB/SG32	SAIA-SB32-25	04/15/2014	N	25	25	<40	<40	<40	<40
SAIA-SB/SG32	SAIA-SB32-35	04/15/2014	N	35	35	<35	<35	<35	<35
SAIA-SB/SG33	SAIA-SB33-0.5	04/15/2014	N	0.5	0.5	<36	<36	<36	<36
SAIA-SB/SG33	SAIA-SB33-2	04/15/2014	N	2	2	<36	<36	<36	<36
SAIA-SB/SG33	SAIA-SB33-5	04/15/2014	N	5	5	<37	<37	<37	<37
SAIA-SB/SG33	SAIA-SB33-15	04/15/2014	N	15	15	<37	<37	<37	<37
SAIA-SB/SG33	SAIA-SB33-25	04/15/2014	N	25	25	<40	<40	<40	<40
SAIA-SB/SG33	SAIA-SB33-35	04/15/2014	N	35	35	<34	<34	<34	<34
SAIA-SB/SG34	SAIA-SB34-0.5	04/15/2014	N	0.5	0.5	<34	<34	<34	<34
SAIA-SB/SG34	SAIA-SB34-2	04/15/2014	N	2	2	<34	<34	<34	<34
SAIA-SB/SG34	SAIA-SB34-5	04/15/2014	N	5	5	<34	<34	<34	<34
SAIA-SB/SG34	SAIA-SB34-15	04/15/2014	N	15	15	<35	<35	<35	<35
SAIA-SB/SG34	SAIA-SB34-16	04/15/2014	FD	15	15	<37	<37	<37	<37
SAIA-SB/SG34	SAIA-SB34-25	04/15/2014	N	25	25	<41	<41	<41	<41
SAIA-SB/SG34	SAIA-SB34-35	04/15/2014	N	35	35	<34	<34	<34	<34
SAIA-SB/SG35	SAIA-SB35-0.5	04/18/2014	N	0.5	0.5	<35	<35	<35	<35
SAIA-SB/SG35	SAIA-SB35-2	04/18/2014	N	2	2	<35	<35	<35	<35
SAIA-SB/SG35	SAIA-SB35-3	04/18/2014	FD	2	2	<36	<36	<36	<36
SAIA-SB/SG35	SAIA-SB35-5	04/18/2014	N	5	5	<35	<35	<35	<35
SAIA-SB/SG35	SAIA-SB35-15	04/18/2014	N	15	15	<37	<37	<37	<37

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																				
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG35	SAIA-SB35-25	04/18/2014	N	25	25	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<130	<13	<13	<13	<13	<6.4
SAIA-SB/SG35	SAIA-SB35-35	04/18/2014	N	35	35	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<110	<11	<11	<11	<11	<5.3
SAIA-SB/SG36	SAIA-SB36-0.5	04/17/2014	N	0.5	0.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<120	<12	<12	<12	<12	<5.8
SAIA-SB/SG36	SAIA-SB36-2	04/17/2014	N	2	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<10	<10	<10	<10	<5
SAIA-SB/SG36	SAIA-SB36-5	04/17/2014	N	5	5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB/SG36	SAIA-SB36-15	04/17/2014	N	15	15	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<130	<13	<13	<13	<13	<6.4
SAIA-SB/SG36	SAIA-SB36-25	04/17/2014	N	25	25	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<130	<13	<13	<13	<13	<6.7
SAIA-SB/SG36	SAIA-SB36-26	04/17/2014	FD	25	25	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<130	<13	<13	<13	<13	<6.5
SAIA-SB/SG36	SAIA-SB36-35	04/17/2014	N	35	35	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<120	<12	<12	<12	<12	<6.1
SAIA-SB/SG37	SAIA-SB37-0.5	04/17/2014	N	0.5	0.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<99	<9.9	<9.9	<9.9	<9.9	<5
SAIA-SB/SG37	SAIA-SB37-2	04/17/2014	N	2	2	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB/SG37	SAIA-SB37-5	04/17/2014	N	5	5	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<120	<12	<12	<12	<12	<6.2
SAIA-SB/SG37	SAIA-SB37-6	04/17/2014	FD	5	5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG37	SAIA-SB37-15	04/17/2014	N	15	15	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<130	<13	<13	<13	<13	<6.6
SAIA-SB/SG37	SAIA-SB37-25	04/17/2014	N	25	25	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<130	<13	<13	<13	<13	<6.7
SAIA-SB/SG37	SAIA-SB37-35	04/17/2014	N	35	35	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG38	SAIA-SB38-0.5	04/17/2014	N	0.5	0.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<130	<13	<13	<13	<13	<6.4
SAIA-SB/SG38	SAIA-SB38-2	04/17/2014	N	2	2	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1
SAIA-SB/SG38	SAIA-SB38-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-0.5	04/17/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																							
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG35	SAIA-SB35-25	04/18/2014	N	25	25	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
SAIA-SB/SG35	SAIA-SB35-35	04/18/2014	N	35	35	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
SAIA-SB/SG36	SAIA-SB36-0.5	04/17/2014	N	0.5	0.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
SAIA-SB/SG36	SAIA-SB36-2	04/17/2014	N	2	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-SB/SG36	SAIA-SB36-5	04/17/2014	N	5	5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG36	SAIA-SB36-15	04/17/2014	N	15	15	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
SAIA-SB/SG36	SAIA-SB36-25	04/17/2014	N	25	25	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7
SAIA-SB/SG36	SAIA-SB36-26	04/17/2014	FD	25	25	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5
SAIA-SB/SG36	SAIA-SB36-35	04/17/2014	N	35	35	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG37	SAIA-SB37-0.5	04/17/2014	N	0.5	0.5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-SB/SG37	SAIA-SB37-2	04/17/2014	N	2	2	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB/SG37	SAIA-SB37-5	04/17/2014	N	5	5	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG37	SAIA-SB37-6	04/17/2014	FD	5	5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG37	SAIA-SB37-15	04/17/2014	N	15	15	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6
SAIA-SB/SG37	SAIA-SB37-25	04/17/2014	N	25	25	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7
SAIA-SB/SG37	SAIA-SB37-35	04/17/2014	N	35	35	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG38	SAIA-SB38-0.5	04/17/2014	N	0.5	0.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4
SAIA-SB/SG38	SAIA-SB38-2	04/17/2014	N	2	2	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
SAIA-SB/SG38	SAIA-SB38-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-0.5	04/17/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG35	SAIA-SB35-25	04/18/2014	N	25	25	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	<200	<200	<380	<200
SAIA-SB/SG35	SAIA-SB35-35	04/18/2014	N	35	35	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<180	--	<180	<180	<180	<180	<180	<340	<180	<180	<180	<180	<180	<180	<340	<180
SAIA-SB/SG36	SAIA-SB36-0.5	04/17/2014	N	0.5	0.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG36	SAIA-SB36-2	04/17/2014	N	2	2	<5	<5	<5	<5	<5	<5	<5	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG36	SAIA-SB36-5	04/17/2014	N	5	5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG36	SAIA-SB36-15	04/17/2014	N	15	15	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<230	--	<230	<230	<230	<230	<230	<460	<230	<230	<230	<230	<230	<230	<460	<230
SAIA-SB/SG36	SAIA-SB36-25	04/17/2014	N	25	25	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG36	SAIA-SB36-26	04/17/2014	FD	25	25	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<210	--	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<210	<410	<210
SAIA-SB/SG36	SAIA-SB36-35	04/17/2014	N	35	35	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<180	--	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<180	<360	<180
SAIA-SB/SG37	SAIA-SB37-0.5	04/17/2014	N	0.5	0.5	<5	<5	<5	<5	<5	<5	<5	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG37	SAIA-SB37-2	04/17/2014	N	2	2	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG37	SAIA-SB37-5	04/17/2014	N	5	5	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG37	SAIA-SB37-6	04/17/2014	FD	5	5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG37	SAIA-SB37-15	04/17/2014	N	15	15	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<6.6	<200	--	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<200	<390	<200
SAIA-SB/SG37	SAIA-SB37-25	04/17/2014	N	25	25	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<220	--	<220	<220	<220	<220	<220	<420	<220	<220	<220	<220	<220	<220	<420	<220
SAIA-SB/SG37	SAIA-SB37-35	04/17/2014	N	35	35	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG38	SAIA-SB38-0.5	04/17/2014	N	0.5	0.5	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<6.4	<190	--	<190	<190	<190	<190	<190	<360	<190	<190	<190	<190	<190	<190	<360	<190
SAIA-SB/SG38	SAIA-SB38-2	04/17/2014	N	2	2	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB/SG38	SAIA-SB38-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-0.5	04/17/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Semivolatile (ug/kg)																			
						3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG35	SAIA-SB35-25	04/18/2014	N	25	25	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG35	SAIA-SB35-35	04/18/2014	N	35	35	<180	<340	<340	<180	<180	<180	<180	<180	<340	<340	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG36	SAIA-SB36-0.5	04/17/2014	N	0.5	0.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	**79 J**	**110 J**	**90 J**	<180
SAIA-SB/SG36	SAIA-SB36-2	04/17/2014	N	2	2	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	**610**	**1,100**	**910**	**800**
SAIA-SB/SG36	SAIA-SB36-5	04/17/2014	N	5	5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	**370**	**630**	**430**	**510**
SAIA-SB/SG36	SAIA-SB36-15	04/17/2014	N	15	15	<230	<460	<460	<230	<230	<230	<230	<230	<460	<460	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230
SAIA-SB/SG36	SAIA-SB36-25	04/17/2014	N	25	25	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG36	SAIA-SB36-26	04/17/2014	FD	25	25	<210	<410	<410	<210	<210	<210	<210	<210	<410	<410	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG36	SAIA-SB36-35	04/17/2014	N	35	35	<180	<360	<360	<180	<180	<180	<180	<180	<360	<360	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG37	SAIA-SB37-0.5	04/17/2014	N	0.5	0.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	**54 J**	**70 J**	**55 J**	**55 J**
SAIA-SB/SG37	SAIA-SB37-2	04/17/2014	N	2	2	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG37	SAIA-SB37-5	04/17/2014	N	5	5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG37	SAIA-SB37-6	04/17/2014	FD	5	5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG37	SAIA-SB37-15	04/17/2014	N	15	15	<200	<390	<390	<200	<200	<200	<200	<200	<390	<390	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG37	SAIA-SB37-25	04/17/2014	N	25	25	<220	<420	<420	<220	<220	<220	<220	<220	<420	<420	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG37	SAIA-SB37-35	04/17/2014	N	35	35	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG38	SAIA-SB38-0.5	04/17/2014	N	0.5	0.5	<190	<360	<360	<190	<190	<190	<190	<190	<360	<360	<190	<190	<190	**140 J**	<190	<190	**330**	**390**	**250**	**230**
SAIA-SB/SG38	SAIA-SB38-2	04/17/2014	N	2	2	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG38	SAIA-SB38-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-0.5	04/17/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG35	SAIA-SB35-25	04/18/2014	N	25	25	<200	<200	<200	<200	<200	<200	**120 J**	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG35	SAIA-SB35-35	04/18/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG36	SAIA-SB36-0.5	04/17/2014	N	0.5	0.5	**100 J**	<180	<180	<180	<180	<180	<180	<180	<180	**120 J**	<180	<180	<180	<180	<180	<180	**120 J**	<180	<180	<180	<180	<180	**73 J**
SAIA-SB/SG36	SAIA-SB36-2	04/17/2014	N	2	2	**940**	<180	<180	<180	<180	<180	<180	<180	<180	**1,100**	<180	<180	<180	<180	<180	<180	**590**	<180	<180	<180	<180	<180	**700**
SAIA-SB/SG36	SAIA-SB36-5	04/17/2014	N	5	5	**500**	<180	<180	<180	<180	<180	<180	<180	<180	**620**	**190**	<180	<180	<180	**84 J**	<180	**320**	<180	<180	<180	<180	<180	**420**
SAIA-SB/SG36	SAIA-SB36-15	04/17/2014	N	15	15	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230
SAIA-SB/SG36	SAIA-SB36-25	04/17/2014	N	25	25	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG36	SAIA-SB36-26	04/17/2014	FD	25	25	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210	<210
SAIA-SB/SG36	SAIA-SB36-35	04/17/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG37	SAIA-SB37-0.5	04/17/2014	N	0.5	0.5	**60 J**	<180	<180	<180	<180	<180	<180	<180	<180	**78 J**	<180	<180	<180	<180	<180	<180	**70 J**	<180	<180	<180	<180	<180	<180
SAIA-SB/SG37	SAIA-SB37-2	04/17/2014	N	2	2	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG37	SAIA-SB37-5	04/17/2014	N	5	5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG37	SAIA-SB37-6	04/17/2014	FD	5	5	<180	<180	<180	<180	<180	<180	**100 J**	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG37	SAIA-SB37-15	04/17/2014	N	15	15	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB/SG37	SAIA-SB37-25	04/17/2014	N	25	25	<220	<220	<220	<220	<220	<220	**360**	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220	<220
SAIA-SB/SG37	SAIA-SB37-35	04/17/2014	N	35	35	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG38	SAIA-SB38-0.5	04/17/2014	N	0.5	0.5	**310**	<190	<190	<190	<190	<190	<190	<190	<190	**510**	**120 J**	<190	<190	<190	<190	<190	**480**	<190	<190	<190	<190	<190	**220**
SAIA-SB/SG38	SAIA-SB38-2	04/17/2014	N	2	2	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	**89 J**	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB/SG38	SAIA-SB38-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-0.5	04/17/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)										
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG35	SAIA-SB35-25	04/18/2014	N	25	25	<200	<200	<200	<200	<200	<380	<200	<200	<200	**17,600**	**0.58 J**	**3**	**159**	**0.65**	**0.23 J**	**9,050**	**22.9**	**10.8**	**24.1**	**24,700**
SAIA-SB/SG35	SAIA-SB35-35	04/18/2014	N	35	35	<180	<180	<180	<180	<180	<340	<180	<180	<180	**6,810**	**0.39 J**	**6.8**	**56**	**0.24 J**	**0.02 J**	**4,740**	**9**	**4.6**	**6.7**	**13,400**
SAIA-SB/SG36	SAIA-SB36-0.5	04/17/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<350	<180	<180	**120 J**	**10,700**	<4.8	**4.9**	**104**	**0.52**	**0.51**	**9,730**	**19.8**	**8.1**	**46.1**	**24,200**
SAIA-SB/SG36	SAIA-SB36-2	04/17/2014	N	2	2	<180	<180	<180	<180	<180	<350	**86 J**	<180	**760**	**4,520**	<4.7	**4.7**	**41.2**	**0.45**	<0.39	**3,920**	**19.2**	**5.4**	**60.2**	**32,900**
SAIA-SB/SG36	SAIA-SB36-5	04/17/2014	N	5	5	<180	<180	<180	<180	<180	<350	<180	<180	**420**	**6,920**	<4.5	**9.3**	**48.6**	**0.6**	<0.37	**2,310**	**38.6**	**6.8**	**128**	**50,200**
SAIA-SB/SG36	SAIA-SB36-15	04/17/2014	N	15	15	<230	<230	<230	<230	<230	<460	<230	<230	<230	**33,400**	<5.9	**7.2**	**260**	**1.4**	<0.49	**15,500**	**38**	**21.2**	**51.4**	**41,100**
SAIA-SB/SG36	SAIA-SB36-25	04/17/2014	N	25	25	<210	<210	<210	<210	<210	<410	<210	<210	<210	**20,000**	<5.2	**6.4**	**197**	**0.82**	<0.43	**13,100**	**26.3**	**14.3**	**29.8**	**30,400**
SAIA-SB/SG36	SAIA-SB36-26	04/17/2014	FD	25	25	<210	<210	<210	<210	<210	<410	<210	<210	<210	**20,400**	<5.8	**8.3**	**195**	**0.85**	<0.48	**14,300**	**27.7**	**14.4**	**33.8**	**31,200**
SAIA-SB/SG36	SAIA-SB36-35	04/17/2014	N	35	35	<180	<180	<180	<180	<180	<360	<180	<180	<180	**8,310**	<4.8	**8.7**	**72.4**	**0.4**	<0.4	**4,720**	**11.2**	**5.8**	**13.1**	**17,700**
SAIA-SB/SG37	SAIA-SB37-0.5	04/17/2014	N	0.5	0.5	<180	<180	<180	<180	<180	<350	<180	<180	**79 J**	**15,000**	**48.9**	**43.8**	**345**	**2.1**	<0.38	**33,300**	**147**	**21.4**	**463**	**206,000**
SAIA-SB/SG37	SAIA-SB37-2	04/17/2014	N	2	2	<180	<180	<180	<180	<180	<350	<180	<180	<180	**17,700**	**13.2**	**12.1**	**313**	**1.4**	<0.39	**34,800**	**103**	**10.6**	**204**	**93,100**
SAIA-SB/SG37	SAIA-SB37-5	04/17/2014	N	5	5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**11,600**	<5.1	**2.7**	**111**	**0.44**	<0.42	**11,800**	**16.6**	**8.5**	**14.2**	**22,100**
SAIA-SB/SG37	SAIA-SB37-6	04/17/2014	FD	5	5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**11,100**	<4.9	**2.5**	**102**	**0.48**	<0.4	**11,800**	**16**	**8.4**	**13.4**	**22,200**
SAIA-SB/SG37	SAIA-SB37-15	04/17/2014	N	15	15	<200	<200	<200	<200	<200	<390	<200	<200	<200	**17,400**	<5.4	**3.6**	**149**	**0.73**	<0.45	**9,520**	**22**	**12.1**	**22.5**	**26,500**
SAIA-SB/SG37	SAIA-SB37-25	04/17/2014	N	25	25	<220	<220	<220	<220	<220	<420	<220	<220	<220	**24,200**	<5.2	**7**	**219**	**0.94**	<0.43	**21,200**	**33.9**	**15.1**	**35.4**	**32,600**
SAIA-SB/SG37	SAIA-SB37-35	04/17/2014	N	35	35	<180	<180	<180	<180	<180	<350	<180	<180	<180	**8,260**	<4.6	**9.2**	**73.9**	**0.36 J**	<0.38	**4,570**	**11**	**6**	**8.4**	**16,100**
SAIA-SB/SG38	SAIA-SB38-0.5	04/17/2014	N	0.5	0.5	<190	<190	<190	<190	<190	<360	**410**	<190	**570**	**14,200**	<4.9	**5.5**	**130**	**0.65**	<0.41	**17,400**	**105**	**9.8**	**33.4**	**25,600**
SAIA-SB/SG38	SAIA-SB38-2	04/17/2014	N	2	2	<180	<180	<180	<180	<180	<350	<180	<180	<180	**12,200**	<4.6	**2.5**	**112**	**0.49**	<0.38	**7,140**	**19.4**	**8.6**	**17**	**22,100**
SAIA-SB/SG38	SAIA-SB38-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	**25,800**	<5.5	**7.1**	**220**	**0.92**	**0.88**	**13,600**	**33.6**	**19.5**	**37.4**	**36,600**
SAIA-SB/SG38	SAIA-SB38-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	**20,000**	<5.5	**7.1**	**184**	**0.72**	**0.54 J**	**16,300**	**26.2 J**	**14.8**	**26.9**	**30,700 J**
SAIA-SB/SG38	SAIA-SB38-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	**21,500**	<5.3	**7.4**	**186**	**0.83**	**0.59**	**10,200**	**32.4**	**16**	**33**	**31,600**
SAIA-SB/SG38	SAIA-SB38-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	**6,870**	<4.4	**10**	**61.7**	**0.25 J**	<0.36	**6,190**	**10.4**	**5.6**	**7**	**16,000**
SAIA-SB/SG39	SAIA-SB39-0.5	04/17/2014	N	0.5	0.5	--	--	--	--	--	--	--	--	--	**9,880**	**5.3**	**9.5**	**106**	**0.48**	**1.9**	**14,600**	**26.5**	**9**	**55.8**	**34,000**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
						Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG35	SAIA-SB35-25	04/18/2014	N	25	25	**4.9**	**8,750**	**383**	**15.9**	**4,150**	**3.5**	<0.91	**1,670**	<2.3	**48.7**	**57.6**	<0.1	<39	<39	<39	<39	<39
SAIA-SB/SG35	SAIA-SB35-35	04/18/2014	N	35	35	**1.8**	**3,860**	**190**	**5.6**	**2,020**	**2.1 J**	<0.72	**385**	<1.8	**25.1**	**25.8**	<0.1	<34	<34	<34	<34	<34
SAIA-SB/SG36	SAIA-SB36-0.5	04/17/2014	N	0.5	0.5	**237**	**5,480**	**413**	**16.3**	**2,990**	**2.4 J**	**0.33 J**	**522**	<2	**38.2**	**257**	**0.13**	<35	<35	<35	<35	<35
SAIA-SB/SG36	SAIA-SB36-2	04/17/2014	N	2	2	**57**	**1,740**	**467**	**26.5**	**853**	**3.5**	**0.25 J**	**300 J**	**0.49 J**	**19.7**	**72.8**	**0.046 J**	<35	<35	<35	<35	<35
SAIA-SB/SG36	SAIA-SB36-5	04/17/2014	N	5	5	**45.3**	**1,810**	**503**	**37.9**	**994**	**4.9**	**0.4 J**	**428**	**1.5 J**	**29.2**	**59.1**	<0.095	<35	<35	<35	<35	<35
SAIA-SB/SG36	SAIA-SB36-15	04/17/2014	N	15	15	**13**	**14,200**	**600**	**30.9**	**5,130**	**3.4**	**0.37 J**	**700**	<2.4	**78.4**	**98**	**0.13**	<46	<46	<46	<46	<46
SAIA-SB/SG36	SAIA-SB36-25	04/17/2014	N	25	25	**7.3**	**10,100**	**593**	**20.4**	**4,930**	**2.6 J**	**0.27 J**	**482**	<2.1	**57.2**	**72.4**	**0.065 J**	<41	<41	<41	<41	<41
SAIA-SB/SG36	SAIA-SB36-26	04/17/2014	FD	25	25	**8.4**	**10,300**	**573**	**22.2**	**4,580**	**3.1 J**	**0.29 J**	**481 J**	<2.4	**58.1**	**71.9**	**0.1 J**	<41	<41	<41	<41	<41
SAIA-SB/SG36	SAIA-SB36-35	04/17/2014	N	35	35	**4.4**	**4,260**	**248**	**7.5**	**2,320**	**1.7 J**	**0.13 J**	**317 J**	<2	**27.7**	**32.6**	**0.058 J**	<36	<36	<36	<36	<36
SAIA-SB/SG37	SAIA-SB37-0.5	04/17/2014	N	0.5	0.5	**543**	**3,860**	**5,120**	**170**	**2,060**	**7.4**	**0.42 J**	**1,520**	**5**	**81.7**	**127**	**0.019 J**	<35	<35	<35	<35	<35
SAIA-SB/SG37	SAIA-SB37-2	04/17/2014	N	2	2	**451**	**3,720**	**5,260**	**76**	**2,750**	**5.1**	**0.64 J**	**1,350**	**1.6 J**	**56.3**	**308**	**0.17**	<35	<35	<35	<35	<35
SAIA-SB/SG37	SAIA-SB37-5	04/17/2014	N	5	5	**3.5**	**6,480**	**370**	**10.9**	**3,870**	**1.9 J**	**0.14 J**	**347 J**	<2.1	**44.2**	**47.2**	**0.038 J**	<35	<35	<35	<35	<35
SAIA-SB/SG37	SAIA-SB37-6	04/17/2014	FD	5	5	**3.2**	**6,340**	**370**	**10.6**	**3,700**	**2.1 J**	**0.13 J**	**337 J**	<2	**44.5**	**46.3**	**0.021 J**	<35	<35	<35	<35	<35
SAIA-SB/SG37	SAIA-SB37-15	04/17/2014	N	15	15	**5.1**	**8,700**	**415**	**15.8**	**4,370**	**2.4 J**	**0.1 J**	**454**	<2.3	**52.4**	**63.6**	**0.068 J**	<39	<39	<39	<39	<39
SAIA-SB/SG37	SAIA-SB37-25	04/17/2014	N	25	25	**18**	**10,800**	**1,080**	**21.1**	**5,350**	**2.8 J**	**0.17 J**	**1,190**	<2.2	**66.9**	**85.9**	**0.04 J**	<42	<42	<42	<42	<42
SAIA-SB/SG37	SAIA-SB37-35	04/17/2014	N	35	35	**2.3**	**4,290**	**226**	**6.8**	**2,440**	**1.5 J**	**0.09 J**	**397**	<1.9	**32.3**	**33**	**0.039 J**	<35	<35	<35	<35	<35
SAIA-SB/SG38	SAIA-SB38-0.5	04/17/2014	N	0.5	0.5	**112**	**6,600**	**635**	**19.4**	**3,960**	**2 J**	**0.21 J**	**725**	<2.1	**43.8**	**130**	**0.071 J**	<36	<36	<36	<36	<36
SAIA-SB/SG38	SAIA-SB38-2	04/17/2014	N	2	2	**11**	**6,150**	**449**	**12.2**	**4,060**	**1.7 J**	**0.06 J**	**391**	<1.9	**41.9**	**49.6**	**0.047 J**	<35	<35	<35	<35	<35
SAIA-SB/SG38	SAIA-SB38-5	04/17/2014	N	5	5	**10.3**	**11,600**	**556**	**27.2**	**5,970**	**1.2 J**	<0.92	**842**	<2.3	**66.5**	**92.6**	**0.071 J**	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-15	04/17/2014	N	15	15	**6.4**	**10,100**	**588**	**20.1**	**4,690**	**1.7 J**	**0.06 J**	**1,240**	<2.3	**59.2**	**74.7**	**0.079 J**	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-25	04/17/2014	N	25	25	**9**	**9,920**	**468**	**23**	**4,470**	**1.7 J**	<0.88	**1,180**	<2.2	**59.6**	**81.1**	**0.12**	--	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-35	04/17/2014	N	35	35	**2**	**4,240**	**231**	**6.3**	**2,060**	**0.96 J**	<0.73	**352 J**	<1.8	**29.7**	**41.9**	**0.015 J**	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-0.5	04/17/2014	N	0.5	0.5	**205**	**5,170**	**540**	**20.8**	**2,650**	**1.3 J**	<0.76	**579**	<1.9	**37.3**	**369**	**0.11**	--	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG35	SAIA-SB35-25	04/18/2014	N	25	25	<39	<39	<39	<39
SAIA-SB/SG35	SAIA-SB35-35	04/18/2014	N	35	35	<34	<34	<34	<34
SAIA-SB/SG36	SAIA-SB36-0.5	04/17/2014	N	0.5	0.5	**12 J**	<35	<35	<35
SAIA-SB/SG36	SAIA-SB36-2	04/17/2014	N	2	2	<35	**19 J**	<35	<35
SAIA-SB/SG36	SAIA-SB36-5	04/17/2014	N	5	5	<35	<35	<35	<35
SAIA-SB/SG36	SAIA-SB36-15	04/17/2014	N	15	15	<46	<46	<46	<46
SAIA-SB/SG36	SAIA-SB36-25	04/17/2014	N	25	25	<41	<41	<41	<41
SAIA-SB/SG36	SAIA-SB36-26	04/17/2014	FD	25	25	<41	<41	<41	<41
SAIA-SB/SG36	SAIA-SB36-35	04/17/2014	N	35	35	<36	<36	<36	<36
SAIA-SB/SG37	SAIA-SB37-0.5	04/17/2014	N	0.5	0.5	<35	<35	<35	<35
SAIA-SB/SG37	SAIA-SB37-2	04/17/2014	N	2	2	<35	**41**	<35	<35
SAIA-SB/SG37	SAIA-SB37-5	04/17/2014	N	5	5	<35	<35	<35	<35
SAIA-SB/SG37	SAIA-SB37-6	04/17/2014	FD	5	5	<35	<35	<35	<35
SAIA-SB/SG37	SAIA-SB37-15	04/17/2014	N	15	15	<39	<39	<39	<39
SAIA-SB/SG37	SAIA-SB37-25	04/17/2014	N	25	25	<42	<42	<42	<42
SAIA-SB/SG37	SAIA-SB37-35	04/17/2014	N	35	35	<35	<35	<35	<35
SAIA-SB/SG38	SAIA-SB38-0.5	04/17/2014	N	0.5	0.5	<36	**9.9 J**	<36	<36
SAIA-SB/SG38	SAIA-SB38-2	04/17/2014	N	2	2	<35	<35	<35	<35
SAIA-SB/SG38	SAIA-SB38-5	04/17/2014	N	5	5	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-15	04/17/2014	N	15	15	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-25	04/17/2014	N	25	25	--	--	--	--
SAIA-SB/SG38	SAIA-SB38-35	04/17/2014	N	35	35	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-0.5	04/17/2014	N	0.5	0.5	--	--	--	--

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																					
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG39	SAIA-SB39-2	04/17/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-3	04/17/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG44	SAIA-SB44-0.5	04/25/2017	N	0	0.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	--	<12	<12	<12	<12	<6
SAIA-SB/SG44	SAIA-SB44-2	04/25/2017	N	1	2	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	--	<11	<11	<11	<11	<5.5
SAIA-SB/SG44	SAIA-SB44-5	04/25/2017	N	4	5	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	--	<13	<13	<13	<13	<6.7
SAIA-SB/SG44	SAIA-SB44-15	04/25/2017	N	14	15	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	--	<13	<13	<13	<13	<6.3
SAIA-SB/SG44	SAIA-SB44-25	04/25/2017	N	24	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	--	<12	<12	<12	<12	<6.2
SAIA-SB/SG44	SAIA-SB44-26	04/25/2017	FD	24	25	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	--	<11	<11	<11	<11	<5.4
SAIA-SB/SG44	SAIA-SB44-35	04/25/2017	N	34	35	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	--	<12	<12	<12	<12	<6
SAIA-SB/SG45	SAIA-SB45-0.5	04/25/2017	N	0	0.5	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	--	<15	<15	<15	<15	<7.3
SAIA-SB/SG45	SAIA-SB45-2	04/25/2017	N	1	2	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	--	<15	<15	<15	<15	<7.4
SAIA-SB/SG45	SAIA-SB45-5	04/25/2017	N	4	5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	--	<12	<12	<12	<12	<5.8
SAIA-SB/SG45	SAIA-SB45-15	04/25/2017	N	14	15	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	--	<14	<14	<14	<14	<6.8
SAIA-SB/SG45	SAIA-SB45-25	04/25/2017	N	24	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	--	<12	<12	<12	<12	<6.2
SAIA-SB/SG45	SAIA-SB45-35	04/25/2017	N	34	35	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	--	<12	<12	<12	<12	<6.1
SAIA-SB/SG46	SAIA-SB46-0.5	04/26/2017	N	0	0.5	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	--	<18	<18	<18	<18	<8.9
SAIA-SB/SG46	SAIA-SB46-0.6	04/26/2017	FD	0	0.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	--	<15	<15	<15	<15	<7.5
SAIA-SB/SG46	SAIA-SB46-2	04/26/2017	N	1	2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	--	<10	<10	<10	<10	<5.2
SAIA-SB/SG46	SAIA-SB46-5	04/26/2017	N	4	5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	--	<13	<13	<13	<13	<6.5

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																							
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG39	SAIA-SB39-2	04/17/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-3	04/17/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG44	SAIA-SB44-0.5	04/25/2017	N	0	0.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
SAIA-SB/SG44	SAIA-SB44-2	04/25/2017	N	1	2	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG44	SAIA-SB44-5	04/25/2017	N	4	5	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7
SAIA-SB/SG44	SAIA-SB44-15	04/25/2017	N	14	15	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3
SAIA-SB/SG44	SAIA-SB44-25	04/25/2017	N	24	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG44	SAIA-SB44-26	04/25/2017	FD	24	25	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
SAIA-SB/SG44	SAIA-SB44-35	04/25/2017	N	34	35	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
SAIA-SB/SG45	SAIA-SB45-0.5	04/25/2017	N	0	0.5	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3
SAIA-SB/SG45	SAIA-SB45-2	04/25/2017	N	1	2	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4
SAIA-SB/SG45	SAIA-SB45-5	04/25/2017	N	4	5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8
SAIA-SB/SG45	SAIA-SB45-15	04/25/2017	N	14	15	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8
SAIA-SB/SG45	SAIA-SB45-25	04/25/2017	N	24	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2
SAIA-SB/SG45	SAIA-SB45-35	04/25/2017	N	34	35	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG46	SAIA-SB46-0.5	04/26/2017	N	0	0.5	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9
SAIA-SB/SG46	SAIA-SB46-0.6	04/26/2017	FD	0	0.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5
SAIA-SB/SG46	SAIA-SB46-2	04/26/2017	N	1	2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
SAIA-SB/SG46	SAIA-SB46-5	04/26/2017	N	4	5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG39	SAIA-SB39-2	04/17/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-3	04/17/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG44	SAIA-SB44-0.5	04/25/2017	N	0	0.5	<6	<6	<6	<6	<6	<6	<6	<200	<78	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<390	<200	<200
SAIA-SB/SG44	SAIA-SB44-2	04/25/2017	N	1	2	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<190	<75	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<370	<190	<190
SAIA-SB/SG44	SAIA-SB44-5	04/25/2017	N	4	5	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<220	<85	<220	<220	<220	<220	<220	<420	<220	<220	<220	<220	<220	<420	<220	<220
SAIA-SB/SG44	SAIA-SB44-15	04/25/2017	N	14	15	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<6.3	<200	<80	<200	<200	<200	<200	<200	<400	<200	<200	<200	<200	<200	<400	<200	<200
SAIA-SB/SG44	SAIA-SB44-25	04/25/2017	N	24	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<220	<88	<220	<220	<220	<220	<220	<430	<220	<220	<220	<220	<220	<430	<220	<220
SAIA-SB/SG44	SAIA-SB44-26	04/25/2017	FD	24	25	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<200	<79	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<390	<200	<200
SAIA-SB/SG44	SAIA-SB44-35	04/25/2017	N	34	35	<6	<6	<6	<6	<6	<6	<6	<220	<87	<220	<220	<220	<220	<220	<430	<220	<220	<220	<220	<220	<430	<220	<220
SAIA-SB/SG45	SAIA-SB45-0.5	04/25/2017	N	0	0.5	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<190	<76	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<370	<190	<190
SAIA-SB/SG45	SAIA-SB45-2	04/25/2017	N	1	2	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<200	<78	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	<200	<380	<200	<200
SAIA-SB/SG45	SAIA-SB45-5	04/25/2017	N	4	5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<210	<81	<210	<210	<210	<210	<210	<400	<210	<210	<210	<210	<210	<400	<210	<210
SAIA-SB/SG45	SAIA-SB45-15	04/25/2017	N	14	15	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<6.8	<230	<90	<230	<230	<230	<230	<230	<440	<230	<230	<230	<230	<230	<440	<230	<230
SAIA-SB/SG45	SAIA-SB45-25	04/25/2017	N	24	25	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2	<230	<90	<230	<230	<230	<230	<230	<450	<230	<230	<230	<230	<230	<450	<230	<230
SAIA-SB/SG45	SAIA-SB45-35	04/25/2017	N	34	35	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<230	<90	<230	<230	<230	<230	<230	<440	<230	<230	<230	<230	<230	<440	<230	<230
SAIA-SB/SG46	SAIA-SB46-0.5	04/26/2017	N	0	0.5	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<180	<72	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<350	<180	<180
SAIA-SB/SG46	SAIA-SB46-0.6	04/26/2017	FD	0	0.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<190	<76	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<370	<190	<190
SAIA-SB/SG46	SAIA-SB46-2	04/26/2017	N	1	2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<190	<74	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<370	<190	<190
SAIA-SB/SG46	SAIA-SB46-5	04/26/2017	N	4	5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<200	<78	<200	<200	<200	<200	<200	<390	<200	<200	<200	<200	<200	<390	<200	<200

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatile (ug/kg)																		
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG39	SAIA-SB39-2	04/17/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-3	04/17/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG44	SAIA-SB44-0.5	04/25/2017	N	0	0.5	<390	<390	<390	<200	<200	<390	<200	<390	<390	<390	<200	<200	<390	<200	<390	<390	<200	<200	<200	<200
SAIA-SB/SG44	SAIA-SB44-2	04/25/2017	N	1	2	<370	<370	<370	<190	<190	<370	<190	<370	<370	<370	<190	<190	<370	<190	<370	<370	**45 J**	<190	<190	<190
SAIA-SB/SG44	SAIA-SB44-5	04/25/2017	N	4	5	<420	<420	<420	<220	<220	<420	<220	<420	<420	<420	<220	<220	<420	<220	<420	<420	<220	<220	<220	<220
SAIA-SB/SG44	SAIA-SB44-15	04/25/2017	N	14	15	<400	<400	<400	<200	<200	<400	<200	<400	<400	<400	<200	<200	<400	<200	<400	<400	<200	<200	<200	<200
SAIA-SB/SG44	SAIA-SB44-25	04/25/2017	N	24	25	<430	<430	<430	<220	<220	<430	<220	<430	<430	<430	<220	<220	<430	<220	<430	<430	<220	<220	<220	<220
SAIA-SB/SG44	SAIA-SB44-26	04/25/2017	FD	24	25	<390	<390	<390	<200	<200	<390	<200	<390	<390	<390	<200	<200	<390	<200	<390	<390	<200	<200	<200	<200
SAIA-SB/SG44	SAIA-SB44-35	04/25/2017	N	34	35	<430	<430	<430	<220	<220	<430	<220	<430	<430	<430	<220	<220	<430	<220	<430	<430	<220	<220	<220	<220
SAIA-SB/SG45	SAIA-SB45-0.5	04/25/2017	N	0	0.5	<370	<370	<370	<190	<190	<370	<190	<370	<370	<370	<190	<190	<370	<190	<370	<370	<190	<190	<190	<190
SAIA-SB/SG45	SAIA-SB45-2	04/25/2017	N	1	2	<380	<380	<380	<200	<200	<380	<200	<380	<380	<380	<200	<200	<380	<200	<380	<380	<200	<200	<200	<200
SAIA-SB/SG45	SAIA-SB45-5	04/25/2017	N	4	5	<400	<400	<400	<210	<210	<400	<210	<400	<400	<400	<210	<210	<400	<210	<400	<400	<210	<210	<210	<210
SAIA-SB/SG45	SAIA-SB45-15	04/25/2017	N	14	15	<440	<440	<440	<230	<230	<440	<230	<440	<440	<440	<230	<230	<440	<230	<440	<440	<230	<230	<230	<230
SAIA-SB/SG45	SAIA-SB45-25	04/25/2017	N	24	25	<450	<450	<450	<230	<230	<450	<230	<450	<450	<450	<230	<230	<450	<230	<450	<450	<230	<230	<230	<230
SAIA-SB/SG45	SAIA-SB45-35	04/25/2017	N	34	35	<440	<440	<440	<230	<230	<440	<230	<440	<440	<440	<230	<230	<440	<230	<440	<440	<230	<230	<230	<230
SAIA-SB/SG46	SAIA-SB46-0.5	04/26/2017	N	0	0.5	<350	<350	<350	<180	<180	<350	<180	<350	<350	<350	<180	<180	<350	<180	<350	<350	<180	<180	<180	<180
SAIA-SB/SG46	SAIA-SB46-0.6	04/26/2017	FD	0	0.5	<370	<370	<370	<190	<190	<370	<190	<370	<370	<370	<190	<190	<370	<190	<370	<370	<190	<190	<190	<190
SAIA-SB/SG46	SAIA-SB46-2	04/26/2017	N	1	2	<370	<370	<370	<190	<190	<370	<190	<370	<370	<370	<190	<190	<370	<190	<370	<370	<190	<190	<190	<190
SAIA-SB/SG46	SAIA-SB46-5	04/26/2017	N	4	5	<390	<390	<390	<200	<200	<390	<200	<390	<390	<390	<200	<200	<390	<200	<390	<390	<200	<200	<200	<200

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG39	SAIA-SB39-2	04/17/2014	N	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-3	04/17/2014	FD	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-SB/SG44	SAIA-SB44-0.5	04/25/2017	N	0	0.5	<200	<200	<200	<200	<390	<390	<200	<390	<390	<200	<200	<200	<200	**220**	<200	<390	<390	<200	<200	<200	<390	<200	<200
SAIA-SB/SG44	SAIA-SB44-2	04/25/2017	N	1	2	<190	<190	<190	<190	<370	<370	<190	<370	<370	**120 J**	<190	<190	<190	**240**	<190	<370	**120 J**	<190	<190	<190	<370	<190	<190
SAIA-SB/SG44	SAIA-SB44-5	04/25/2017	N	4	5	<220	<220	<220	<220	<420	<420	<220	<420	<420	<220	<220	<220	<220	**350**	<220	<420	<420	<220	<220	<220	<420	<220	<220
SAIA-SB/SG44	SAIA-SB44-15	04/25/2017	N	14	15	<200	<200	<200	<200	<400	<400	<200	<400	<400	<200	<200	<200	<200	**540**	<200	<400	<400	<200	<200	<200	<400	<200	<200
SAIA-SB/SG44	SAIA-SB44-25	04/25/2017	N	24	25	<220	<220	<220	<220	<430	<430	<220	<430	<430	<220	<220	<220	<220	**530**	<220	<430	<430	<220	<220	<220	<430	<220	<220
SAIA-SB/SG44	SAIA-SB44-26	04/25/2017	FD	24	25	<200	<200	<200	<200	<390	<390	<200	<390	<390	<200	<200	<200	<200	**400**	<200	<390	<390	<200	<200	<200	<390	<200	<200
SAIA-SB/SG44	SAIA-SB44-35	04/25/2017	N	34	35	<220	<220	<220	<220	<430	<430	<220	<430	<430	<220	<220	<220	<220	**390**	<220	<430	<430	<220	<220	<220	<430	<220	<220
SAIA-SB/SG45	SAIA-SB45-0.5	04/25/2017	N	0	0.5	<190	<190	<190	<190	<370	<370	<190	<370	<370	**56 J**	<190	<190	<190	**210**	<190	<370	**42 J**	<190	<190	<190	<370	<190	<190
SAIA-SB/SG45	SAIA-SB45-2	04/25/2017	N	1	2	<200	<200	<200	<200	<380	<380	<200	<380	<380	<200	<200	<200	<200	**250**	<200	<380	<380	<200	<200	<200	<380	<200	<200
SAIA-SB/SG45	SAIA-SB45-5	04/25/2017	N	4	5	<210	<210	<210	<210	<400	<400	<210	<400	<400	<210	<210	<210	<210	**710**	<210	<400	<400	<210	<210	<210	<400	<210	<210
SAIA-SB/SG45	SAIA-SB45-15	04/25/2017	N	14	15	<230	<230	<230	<230	<440	<440	<230	<440	<440	<230	<230	<230	<230	**430**	<230	<440	<440	<230	<230	<230	<440	<230	<230
SAIA-SB/SG45	SAIA-SB45-25	04/25/2017	N	24	25	<230	<230	<230	<230	<450	<450	<230	<450	<450	<230	<230	<230	<230	**320**	<230	<450	<450	<230	<230	<230	<450	<230	<230
SAIA-SB/SG45	SAIA-SB45-35	04/25/2017	N	34	35	<230	<230	<230	<230	<440	<440	<230	<440	<440	<230	<230	<230	<230	**320**	<230	<440	<440	<230	<230	<230	<440	<230	<230
SAIA-SB/SG46	SAIA-SB46-0.5	04/26/2017	N	0	0.5	<180	<180	<180	<180	<350	<350	<180	<350	<350	<180	<180	<180	<180	**77 J**	<180	<350	<350	<180	<180	<180	<350	<180	<180
SAIA-SB/SG46	SAIA-SB46-0.6	04/26/2017	FD	0	0.5	<190	<190	<190	<190	<370	<370	<190	<370	<370	<190	<190	<190	<190	**100 J**	<190	<370	<370	<190	<190	<190	<370	<190	<190
SAIA-SB/SG46	SAIA-SB46-2	04/26/2017	N	1	2	<190	<190	<190	<190	<370	<370	<190	<370	<370	<190	<190	<190	<190	**160**	<190	<370	<370	<190	<190	<190	<370	<190	<190
SAIA-SB/SG46	SAIA-SB46-5	04/26/2017	N	4	5	<200	<200	<200	<200	<390	<390	<200	<390	<390	<200	<200	<200	<200	**230**	<200	<390	<390	<200	<200	<200	<390	<200	<200

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)										
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG39	SAIA-SB39-2	04/17/2014	N	2	2	--	--	--	--	--	--	--	--	--	**8,490**	<4.7	**7.4**	**95.4**	**0.38 J**	**1.1**	**10,800**	**28.9**	**7.4**	**50.5**	**20,900**
SAIA-SB/SG39	SAIA-SB39-3	04/17/2014	FD	2	2	--	--	--	--	--	--	--	--	--	**8,330**	<4.5	**7.1**	**94**	**0.37**	**1.6**	**12,500**	**25.2**	**7**	**47.4**	**22,200**
SAIA-SB/SG39	SAIA-SB39-5	04/17/2014	N	5	5	--	--	--	--	--	--	--	--	--	**12,600**	<4.6	**4**	**117**	**0.44**	**0.4**	**8,870**	**19.4**	**10.2**	**15.2**	**23,100**
SAIA-SB/SG39	SAIA-SB39-15	04/17/2014	N	15	15	--	--	--	--	--	--	--	--	--	**18,800**	<5.4	**5.7**	**163**	**0.66**	**0.52**	**8,170**	**25.9**	**14.1**	**25.3**	**28,700**
SAIA-SB/SG39	SAIA-SB39-25	04/17/2014	N	25	25	--	--	--	--	--	--	--	--	--	**27,000**	<5.8	**9**	**244**	**1**	**0.78**	**11,300**	**50.3**	**24.3**	**61.4**	**38,900**
SAIA-SB/SG39	SAIA-SB39-35	04/17/2014	N	35	35	--	--	--	--	--	--	--	--	--	**8,380**	<4.4	**11.4**	**73.7**	**0.32 J**	<0.37	**9,930**	**12.2**	**6.8**	**8.8**	**16,700**
SAIA-SB/SG44	SAIA-SB44-0.5	04/25/2017	N	0	0.5	<200	<200	<200	<200	<200	<390	<200	<390	<200	**10,100**	**1.4 J**	**4 J**	**88.8**	<0.54	**0.7**	**4,370**	**21.7**	**8.5**	**27.1**	**17,900**
SAIA-SB/SG44	SAIA-SB44-2	04/25/2017	N	1	2	<190	<190	<190	<190	<190	<370	**80 J**	<370	**150 J**	**15,400**	**1.3 J**	**2.6 J**	**116**	<0.58	<0.58	**11,100**	**21.5**	**11.5**	**20**	**22,500**
SAIA-SB/SG44	SAIA-SB44-5	04/25/2017	N	4	5	<220	<220	<220	<220	<220	<420	<220	<420	<220	**21,200**	**1.7 J**	**2.8 J**	**162**	<0.62	<0.62	**14,200**	**26.9**	**15.3**	**23.9**	**28,900**
SAIA-SB/SG44	SAIA-SB44-15	04/25/2017	N	14	15	<200	<200	<200	<200	<200	<400	<200	**48 J**	<200	**17,400**	**1.4 J**	**2 J**	**123**	<0.59	<0.59	**12,800**	**21.5**	**13.1**	**18.9**	**24,600**
SAIA-SB/SG44	SAIA-SB44-25	04/25/2017	N	24	25	<220	<220	<220	<220	<220	<430	<220	<430	<220	**29,700**	**1.7 J**	**3.8 J**	**194**	**0.82 J**	<0.65	**12,500**	**33.3**	**17.8**	**38.4**	**33,700**
SAIA-SB/SG44	SAIA-SB44-26	04/25/2017	FD	24	25	<200	<200	<200	<200	<200	<390	<200	<390	<200	**23,800**	**1.8 J**	**3.8 J**	**167**	**0.64 J**	<0.63	**23,200**	**27.7**	**16.1**	**25.7**	**30,400**
SAIA-SB/SG44	SAIA-SB44-35	04/25/2017	N	34	35	<220	<220	<220	<220	<220	<430	<220	<430	<220	**29,000**	**1.9 J**	**4.3 J**	**195**	**0.77 J**	<0.64	**9,200**	**33.7**	**17.9**	**46.2**	**33,500**
SAIA-SB/SG45	SAIA-SB45-0.5	04/25/2017	N	0	0.5	<190	<190	<190	<190	<190	<370	<190	<370	**64 J**	**14,100**	**2.3 J**	**3.9 J**	**127**	<0.56	**1.5**	**7,620**	**30.5**	**12**	**47.1**	**32,600**
SAIA-SB/SG45	SAIA-SB45-2	04/25/2017	N	1	2	<200	<200	<200	<200	<200	<380	<200	<380	<200	**19,000**	**1.3 J**	**2.4 J**	**138**	<0.6	<0.6	**9,570**	**23.8**	**13.8**	**21.2**	**26,400**
SAIA-SB/SG45	SAIA-SB45-5	04/25/2017	N	4	5	<210	<210	<210	<210	<210	<400	<210	**60 J**	<210	**16,500**	**2.5 J**	**5.2 J**	**131**	<0.58	**0.68**	**9,230**	**28**	**13**	**45.7**	**29,100**
SAIA-SB/SG45	SAIA-SB45-15	04/25/2017	N	14	15	<230	<230	<230	<230	<230	<440	<230	**57 J**	<230	**23,200**	**1.5 J**	**1.9 J**	**145**	**0.62 J**	<0.61	**11,600**	**26.8**	**14.8**	**26.7**	**28,300**
SAIA-SB/SG45	SAIA-SB45-25	04/25/2017	N	24	25	<230	<230	<230	<230	<230	<450	<230	**49 J**	<230	**36,900**	**2.1 J**	**4.2 J**	**223**	**0.94 J**	<0.68	**23,100**	**38.7**	**22**	**46.8**	**40,300**
SAIA-SB/SG45	SAIA-SB45-35	04/25/2017	N	34	35	<230	<230	<230	<230	<230	<440	<230	**50 J**	<230	**28,500**	**2.1 J**	**8 J**	**189**	**0.81 J**	<0.65	**17,200**	**37.3**	**19.8**	**42**	**35,200**
SAIA-SB/SG46	SAIA-SB46-0.5	04/26/2017	N	0	0.5	<180	<180	<180	<180	<180	<350	<180	<350	<180	**11,200**	**1.7 J**	**4.1**	**117**	<0.54	**1.4**	**7,930**	**22.4**	**9.7**	**33.3 J**	**21,900**
SAIA-SB/SG46	SAIA-SB46-0.6	04/26/2017	FD	0	0.5	<190	<190	<190	<190	<190	<370	<190	<370	<190	**10,400**	**1.6 J**	**3.7**	**103**	<0.54	**1.1**	**6,700**	**19.6**	**10.2**	**28.8 J**	**21,300**
SAIA-SB/SG46	SAIA-SB46-2	04/26/2017	N	1	2	<190	<190	<190	<190	<190	<370	<190	<370	<190	**15,000**	**0.55 J**	**1.3**	**127**	<0.6	<0.6	**9,840**	**18.7**	**12.1**	**16 J**	**23,100**
SAIA-SB/SG46	SAIA-SB46-5	04/26/2017	N	4	5	<200	<200	<200	<200	<200	<390	<200	<390	<200	**13,200**	**0.36 J**	**1.1**	**118**	<0.57	<0.57	**9,340**	**17.1**	**10.8**	**15 J**	**20,900**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
						Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG39	SAIA-SB39-2	04/17/2014	N	2	2	**200**	**4,250**	**510**	**20.5**	**2,090**	**0.73 J**	<0.78	**396**	<1.9	**31.9**	**207**	**0.46**	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-3	04/17/2014	FD	2	2	**213**	**4,190**	**467**	**17.6**	**2,090**	**0.83 J**	**0.07 J**	**441**	<1.9	**30.8**	**257**	**0.11**	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-5	04/17/2014	N	5	5	**10.4**	**6,980**	**429**	**13.4**	**4,190**	**0.75 J**	<0.77	**426**	<1.9	**42.6**	**60.7**	**0.045 J**	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-15	04/17/2014	N	15	15	**7.6**	**9,830**	**442**	**19.9**	**4,950**	**0.88 J**	<0.89	**607**	<2.2	**54.5**	**75.5**	**0.072 J**	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-25	04/17/2014	N	25	25	**17.6**	**14,100**	**693**	**40.8**	**4,070**	**0.98 J**	<0.96	**1,190**	<2.4	**71.4**	**93.7**	**0.07 J**	--	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-35	04/17/2014	N	35	35	**2.4**	**5,160**	**286**	**7.9**	**2,600**	**0.79 J**	<0.73	**391**	<1.8	**30.1**	**37.9**	**0.02 J**	--	--	--	--	--
SAIA-SB/SG44	SAIA-SB44-0.5	04/25/2017	N	0	0.5	**116**	**4,620**	**285**	**15.9**	**2,260**	<3.8	<1.1	<537	<2.7	**35.6**	**217**	**0.039 J**	<39	<39	<39	<39	<39
SAIA-SB/SG44	SAIA-SB44-2	04/25/2017	N	1	2	**23.6**	**7,460**	**376**	**15.7**	**3,870**	**0.73 J**	<1.2	<577	<2.9	**45.3**	**96.5**	**0.042 J**	<37	<37	<37	<37	<37
SAIA-SB/SG44	SAIA-SB44-5	04/25/2017	N	4	5	**5.9**	**10,500**	**451**	**18**	**5,380**	**0.67 J**	<1.2	**638**	<3.1	**59.6**	**81**	**0.068 J**	<42	<42	<42	<42	<42
SAIA-SB/SG44	SAIA-SB44-15	04/25/2017	N	14	15	**4.1**	**8,990**	**392**	**13.8**	**4,190**	**0.41 J**	<1.2	<588	<2.9	**52.2**	**67.7**	**0.042 J**	<39	<39	<39	<39	<39
SAIA-SB/SG44	SAIA-SB44-25	04/25/2017	N	24	25	**8.4 J**	**11,800**	**439**	**23.3**	**4,700**	<4.5	<1.3	**1,340**	<3.2	**68.5**	**93.5**	**0.097 J**	<43	<43	<43	<43	<43
SAIA-SB/SG44	SAIA-SB44-26	04/25/2017	FD	24	25	**6.2**	**10,700**	**559**	**18.4**	**4,800**	**0.81 J**	<1.3	**1,100**	<3.2	**64.6**	**83.3**	**0.078 J**	<39	<39	<39	<39	<39
SAIA-SB/SG44	SAIA-SB44-35	04/25/2017	N	34	35	**8.2 J**	**11,800**	**419**	**23.3**	**4,730**	**2.1 J**	<1.3	**1,230**	<3.2	**71.7**	**91.3**	**0.12 J**	<43	<43	<43	<43	<43
SAIA-SB/SG45	SAIA-SB45-0.5	04/25/2017	N	0	0.5	**306**	**6,370**	**496**	**23.2**	**3,470**	**0.73 J**	<1.1	<561	<2.8	**44.5**	**308**	**0.14**	<37	<37	<37	<37	<37
SAIA-SB/SG45	SAIA-SB45-2	04/25/2017	N	1	2	**6.3**	**8,370**	**392**	**15.3**	**4,400**	<4.2	<1.2	<595	<3	**55.4**	**72.8**	**0.063 J**	<39	<39	<39	<39	<39
SAIA-SB/SG45	SAIA-SB45-5	04/25/2017	N	4	5	**122**	**7,570**	**412**	**19.7**	**3,840**	<4.1	<1.2	<579	<2.9	**52.4**	**212**	**0.13**	<40	<40	<40	<40	<40
SAIA-SB/SG45	SAIA-SB45-15	04/25/2017	N	14	15	**6.4**	**9,760**	**466**	**17.3**	**4,540**	<4.3	<1.2	**716**	<3.1	**62.2**	**78**	**0.081 J**	<44	<44	<44	<44	<44
SAIA-SB/SG45	SAIA-SB45-25	04/25/2017	N	24	25	**9.3 J**	**14,700**	**572**	**27.6**	**5,170**	<4.7	<1.4	**1,480**	<3.4	**88.8**	**108**	**0.12 J**	<45	<45	<45	<45	<45
SAIA-SB/SG45	SAIA-SB45-35	04/25/2017	N	34	35	**10.1 J**	**12,600**	**615**	**27.4**	**4,410**	**0.85 J**	<1.3	<654	<3.3	**75.1**	**94.1**	**0.15**	<44	<44	<44	<44	<44
SAIA-SB/SG46	SAIA-SB46-0.5	04/26/2017	N	0	0.5	**305**	**5,660**	**484**	**21.3**	**3,040**	<3.8	<1.1	<539	<2.7	**37.5**	**306**	**0.082 J**	<35	<35	<35	<35	<35
SAIA-SB/SG46	SAIA-SB46-0.6	04/26/2017	FD	0	0.5	**243**	**5,440**	**388**	**17.8**	**2,870**	**0.38 J**	<1.1	<543	<2.7	**35.2**	**245**	**0.087 J**	<38	<38	<38	<38	<38
SAIA-SB/SG46	SAIA-SB46-2	04/26/2017	N	1	2	**8.3**	**7,730**	**381**	**12.9**	**4,510**	<4.2	<1.2	<599	<3	**44.9**	**68.9**	**0.053 J**	<37	<37	<37	<37	<37
SAIA-SB/SG46	SAIA-SB46-5	04/26/2017	N	4	5	**18.6**	**6,950**	**344**	**11.5**	**4,030**	**0.49 J**	<1.1	<569	<2.8	**40.6**	**72.3**	**0.046 J**	<39	<39	<39	<39	<39

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG39	SAIA-SB39-2	04/17/2014	N	2	2	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-3	04/17/2014	FD	2	2	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-5	04/17/2014	N	5	5	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-15	04/17/2014	N	15	15	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-25	04/17/2014	N	25	25	--	--	--	--
SAIA-SB/SG39	SAIA-SB39-35	04/17/2014	N	35	35	--	--	--	--
SAIA-SB/SG44	SAIA-SB44-0.5	04/25/2017	N	0	0.5	<39	<39	<39	<39
SAIA-SB/SG44	SAIA-SB44-2	04/25/2017	N	1	2	<37	**4.5 J**	<37	<37
SAIA-SB/SG44	SAIA-SB44-5	04/25/2017	N	4	5	<42	<42	<42	<42
SAIA-SB/SG44	SAIA-SB44-15	04/25/2017	N	14	15	<39	<39	<39	<39
SAIA-SB/SG44	SAIA-SB44-25	04/25/2017	N	24	25	<43	<43	<43	<43
SAIA-SB/SG44	SAIA-SB44-26	04/25/2017	FD	24	25	<39	<39	<39	<39
SAIA-SB/SG44	SAIA-SB44-35	04/25/2017	N	34	35	<43	<43	<43	<43
SAIA-SB/SG45	SAIA-SB45-0.5	04/25/2017	N	0	0.5	<37	**23 J**	<37	<37
SAIA-SB/SG45	SAIA-SB45-2	04/25/2017	N	1	2	<39	<39	<39	<39
SAIA-SB/SG45	SAIA-SB45-5	04/25/2017	N	4	5	<40	<40	<40	<40
SAIA-SB/SG45	SAIA-SB45-15	04/25/2017	N	14	15	<44	<44	<44	<44
SAIA-SB/SG45	SAIA-SB45-25	04/25/2017	N	24	25	<45	<45	<45	<45
SAIA-SB/SG45	SAIA-SB45-35	04/25/2017	N	34	35	<44	<44	<44	<44
SAIA-SB/SG46	SAIA-SB46-0.5	04/26/2017	N	0	0.5	<35	**8 J**	<35	<35
SAIA-SB/SG46	SAIA-SB46-0.6	04/26/2017	FD	0	0.5	<38	**13 J**	<38	<38
SAIA-SB/SG46	SAIA-SB46-2	04/26/2017	N	1	2	<37	<37	<37	<37
SAIA-SB/SG46	SAIA-SB46-5	04/26/2017	N	4	5	<39	<39	<39	<39

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																				
						1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene
SAIA-SB/SG46	SAIA-SB46-15	04/26/2017	N	14	15	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	--	<11	<11	<11	<11	<5.5
SAIA-SB/SG46	SAIA-SB46-25	04/26/2017	N	24	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	--	<12	<12	<12	<12	<6.1
SAIA-SB/SG46	SAIA-SB46-35	04/26/2017	N	34	35	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	--	<12	<12	<12	<12	<5.9
SAIA-SB/SG47	SAIA-SB47-0.5	04/26/2017	N	0	0.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	--	<13	<13	<13	<13	<6.5
SAIA-SB/SG47	SAIA-SB47-2	04/26/2017	N	1	2	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	--	<12	<12	<12	<12	<5.9
SAIA-SB/SG47	SAIA-SB47-3	04/26/2017	FD	1	2	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	--	<14	<14	<14	<14	<7
SAIA-SB/SG47	SAIA-SB47-5	04/26/2017	N	4	5	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	--	<19	<19	<19	<19	<9.3
SAIA-SB/SG47	SAIA-SB47-15	04/26/2017	N	14	15	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	--	<12	<12	<12	<12	<6.1
SAIA-SB/SG47	SAIA-SB47-25	04/26/2017	N	24	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	--	<12	<12	<12	<12	<6.1
SAIA-SB/SG47	SAIA-SB47-35	04/26/2017	N	34	35	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	--	<13	<13	<13	<13	<6.5
SAIA-SB12	SAIA-SB12-0.5	04/02/2013	N	0.5	1	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<110	<11	<11	<11	<11	<5.6
SAIA-SB12	SAIA-SB12-02	04/02/2013	N	2	2.5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<120	<12	<12	<12	<12	<5.9
SAIA-SB12	SAIA-SB12-05	04/02/2013	N	5	5.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<110	<11	<11	<11	<11	<5.7
SAIA-SB12	SAIA-SB12-15	04/02/2013	N	15	15.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<110	<11	<11	<11	<11	<5.5
SAIA-SB12	SAIA-SB12-25	04/02/2013	N	25	25.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<120	<12	<12	<12	<12	<6
SAIA-SB12	SAIA-SB12-35	04/02/2013	N	35	35.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<100	<10	<10	<10	<10	<5.1

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/kg)																							
						Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-SB/SG46	SAIA-SB46-15	04/26/2017	N	14	15	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB/SG46	SAIA-SB46-25	04/26/2017	N	24	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG46	SAIA-SB46-35	04/26/2017	N	34	35	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG47	SAIA-SB47-0.5	04/26/2017	N	0	0.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5
SAIA-SB/SG47	SAIA-SB47-2	04/26/2017	N	1	2	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB/SG47	SAIA-SB47-3	04/26/2017	FD	1	2	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
SAIA-SB/SG47	SAIA-SB47-5	04/26/2017	N	4	5	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3
SAIA-SB/SG47	SAIA-SB47-15	04/26/2017	N	14	15	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG47	SAIA-SB47-25	04/26/2017	N	24	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1
SAIA-SB/SG47	SAIA-SB47-35	04/26/2017	N	34	35	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5
SAIA-SB12	SAIA-SB12-0.5	04/02/2013	N	0.5	1	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6
SAIA-SB12	SAIA-SB12-02	04/02/2013	N	2	2.5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9
SAIA-SB12	SAIA-SB12-05	04/02/2013	N	5	5.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7
SAIA-SB12	SAIA-SB12-15	04/02/2013	N	15	15.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5
SAIA-SB12	SAIA-SB12-25	04/02/2013	N	25	25.5	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
SAIA-SB12	SAIA-SB12-35	04/02/2013	N	35	35.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Volatiles (ug/kg)							Semivolatiles (in ug/kg)															
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol
SAIA-SB/SG46	SAIA-SB46-15	04/26/2017	N	14	15	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<210	<83	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<410	<210	<210
SAIA-SB/SG46	SAIA-SB46-25	04/26/2017	N	24	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<220	<88	<220	<220	<220	<220	<220	<430	<220	<220	<220	<220	<220	<430	<220	<220
SAIA-SB/SG46	SAIA-SB46-35	04/26/2017	N	34	35	<5.9	<5.9	<5.9	<5.9	**7.1**	<5.9	<5.9	<220	<85	<220	<220	<220	<220	<220	<420	<220	<220	<220	<220	<220	<420	<220	<220
SAIA-SB/SG47	SAIA-SB47-0.5	04/26/2017	N	0	0.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<180	<73	<180	<180	<180	<180	<180	<360	<180	<180	<180	<180	<180	<360	<180	<180
SAIA-SB/SG47	SAIA-SB47-2	04/26/2017	N	1	2	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<190	<74	<190	<190	<190	<190	<190	<360	<190	<190	<190	<190	<190	<360	<190	<190
SAIA-SB/SG47	SAIA-SB47-3	04/26/2017	FD	1	2	<7	<7	<7	<7	<7	<7	<7	<190	<75	<190	<190	<190	<190	<190	<370	<190	<190	<190	<190	<190	<370	<190	<190
SAIA-SB/SG47	SAIA-SB47-5	04/26/2017	N	4	5	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<9.3	<190	<76	<190	<190	<190	<190	<190	<380	<190	<190	<190	<190	<190	<380	<190	<190
SAIA-SB/SG47	SAIA-SB47-15	04/26/2017	N	14	15	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<210	<84	<210	<210	<210	<210	<210	<410	<210	<210	<210	<210	<210	<410	<210	<210
SAIA-SB/SG47	SAIA-SB47-25	04/26/2017	N	24	25	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<6.1	<220	<87	<220	<220	<220	<220	<220	<430	<220	<220	<220	<220	<220	<430	<220	<220
SAIA-SB/SG47	SAIA-SB47-35	04/26/2017	N	34	35	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5	<220	<87	<220	<220	<220	<220	<220	<430	<220	<220	<220	<220	<220	<430	<220	<220
SAIA-SB12	SAIA-SB12-0.5	04/02/2013	N	0.5	1	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	**120 J**	<180	<350	<180
SAIA-SB12	SAIA-SB12-02	04/02/2013	N	2	2.5	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180
SAIA-SB12	SAIA-SB12-05	04/02/2013	N	5	5.5	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<190	--	<190	<190	<190	<190	<190	<380	<190	<190	<190	<190	<190	<190	<380	<190
SAIA-SB12	SAIA-SB12-15	04/02/2013	N	15	15.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<200	--	<200	<200	<200	<200	<200	<380	<200	<200	<200	<200	<200	<200	<380	<200
SAIA-SB12	SAIA-SB12-25	04/02/2013	N	25	25.5	<6	<6	<6	<6	<6	<6	<6	<230	--	<230	<230	<230	<230	<230	<450	<230	<230	<230	<230	<230	<230	<450	<230
SAIA-SB12	SAIA-SB12-35	04/02/2013	N	35	35.5	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<180	--	<180	<180	<180	<180	<180	<350	<180	<180	<180	<180	<180	<180	<350	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Semivolatile (ug/kg)																			
						3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene
SAIA-SB/SG46	SAIA-SB46-15	04/26/2017	N	14	15	<410	<410	<410	<210	<210	<410	<210	<410	<410	<410	<210	<210	<410	<210	<410	<410	<210	<210	<210	<210
SAIA-SB/SG46	SAIA-SB46-25	04/26/2017	N	24	25	<430	<430	<430	<220	<220	<430	<220	<430	<430	<430	<220	<220	<430	<220	<430	<430	<220	<220	<220	<220
SAIA-SB/SG46	SAIA-SB46-35	04/26/2017	N	34	35	<420	<420	<420	<220	<220	<420	<220	<420	<420	<420	<220	<220	<420	<220	<420	<420	<220	<220	<220	<220
SAIA-SB/SG47	SAIA-SB47-0.5	04/26/2017	N	0	0.5	<360	<360	<360	<180	<180	<360	<180	<360	<360	<360	**42 J**	<180	<360	**78 J**	<360	<360	**370**	**360**	**390**	**110 J**
SAIA-SB/SG47	SAIA-SB47-2	04/26/2017	N	1	2	<360	<360	<360	<190	<190	<360	<190	<360	<360	<360	<190	<190	<360	<190	<360	<360	<190	<190	<190	<190
SAIA-SB/SG47	SAIA-SB47-3	04/26/2017	FD	1	2	<370	<370	<370	<190	<190	<370	<190	<370	<370	<370	<190	<190	<370	<190	<370	<370	<190	<190	<190	<190
SAIA-SB/SG47	SAIA-SB47-5	04/26/2017	N	4	5	<380	<380	<380	<190	<190	<380	<190	<380	<380	<380	<190	<190	<380	<190	<380	<380	<190	<190	<190	<190
SAIA-SB/SG47	SAIA-SB47-15	04/26/2017	N	14	15	<410	<410	<410	<210	<210	<410	<210	<410	<410	<410	<210	<210	<410	<210	<410	<410	<210	<210	<210	<210
SAIA-SB/SG47	SAIA-SB47-25	04/26/2017	N	24	25	<430	<430	<430	<220	<220	<430	<220	<430	<430	<430	<220	<220	<430	<220	<430	<430	<220	<220	<220	<220
SAIA-SB/SG47	SAIA-SB47-35	04/26/2017	N	34	35	<430	<430	<430	<220	<220	<430	<220	<430	<430	<430	<220	<220	<430	<220	<430	<430	<220	<220	<220	<220
SAIA-SB12	SAIA-SB12-0.5	04/02/2013	N	0.5	1	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB12	SAIA-SB12-02	04/02/2013	N	2	2.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB12	SAIA-SB12-05	04/02/2013	N	5	5.5	<190	<380	<380	<190	<190	<190	<190	<190	<380	<380	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB12	SAIA-SB12-15	04/02/2013	N	15	15.5	<200	<380	<380	<200	<200	<200	<200	<200	<380	<380	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB12	SAIA-SB12-25	04/02/2013	N	25	25.5	<230	<450	<450	<230	<230	<230	<230	<230	<450	<450	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230
SAIA-SB12	SAIA-SB12-35	04/02/2013	N	35	35.5	<180	<350	<350	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)																					
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene
SAIA-SB/SG46	SAIA-SB46-15	04/26/2017	N	14	15	<210	<210	<210	<210	<410	<410	<210	<410	<410	<210	<210	<210	<210	**360 J**	<210	<410	<410	<210	<210	<210	<410	<210	<210
SAIA-SB/SG46	SAIA-SB46-25	04/26/2017	N	24	25	<220	<220	<220	<220	<430	<430	<220	<430	<430	<220	<220	<220	<220	**360**	<220	<430	<430	<220	<220	<220	<430	<220	<220
SAIA-SB/SG46	SAIA-SB46-35	04/26/2017	N	34	35	<220	<220	<220	<220	<420	<420	<220	<420	<420	<220	<220	<220	<220	**280**	<220	<420	<420	<220	<220	<220	<420	<220	<220
SAIA-SB/SG47	SAIA-SB47-0.5	04/26/2017	N	0	0.5	**270**	<180	<180	<180	<360	<360	<180	<360	**83 J**	**510**	**43 J**	**69 J**	<180	**220**	<180	<360	**1,000**	**94 J**	<180	<180	<360	<180	**130 J**
SAIA-SB/SG47	SAIA-SB47-2	04/26/2017	N	1	2	<190	<190	<190	<190	<360	<360	<190	<360	<360	<190	<190	<190	<190	**330**	<190	<360	<360	<190	<190	<190	<360	<190	<190
SAIA-SB/SG47	SAIA-SB47-3	04/26/2017	FD	1	2	<190	<190	<190	<190	<370	<370	<190	<370	<370	<190	<190	<190	<190	**300**	<190	<370	<370	<190	<190	<190	<370	<190	<190
SAIA-SB/SG47	SAIA-SB47-5	04/26/2017	N	4	5	<190	<190	<190	<190	<380	<380	<190	<380	<380	<190	<190	<190	<190	**340**	<190	<380	<380	<190	<190	<190	<380	<190	<190
SAIA-SB/SG47	SAIA-SB47-15	04/26/2017	N	14	15	<210	<210	<210	<210	<410	<410	<210	<410	<410	<210	<210	<210	<210	**360**	<210	<410	<410	<210	<210	<210	<410	<210	<210
SAIA-SB/SG47	SAIA-SB47-25	04/26/2017	N	24	25	<220	<220	<220	<220	<430	<430	<220	<430	<430	<220	<220	<220	<220	**500**	<220	<430	<430	<220	<220	<220	<430	<220	<220
SAIA-SB/SG47	SAIA-SB47-35	04/26/2017	N	34	35	<220	<220	<220	<220	<430	<430	<220	<430	<430	<220	<220	<220	<220	**510**	<220	<430	<430	<220	<220	<220	<430	<220	<220
SAIA-SB12	SAIA-SB12-0.5	04/02/2013	N	0.5	1	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB12	SAIA-SB12-02	04/02/2013	N	2	2.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
SAIA-SB12	SAIA-SB12-05	04/02/2013	N	5	5.5	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190	<190
SAIA-SB12	SAIA-SB12-15	04/02/2013	N	15	15.5	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
SAIA-SB12	SAIA-SB12-25	04/02/2013	N	25	25.5	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230	<230
SAIA-SB12	SAIA-SB12-35	04/02/2013	N	35	35.5	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Semivolatiles (in ug/kg)									Metals by E200.7 (in mg/kg)									
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron
SAIA-SB/SG46	SAIA-SB46-15	04/26/2017	N	14	15	<210	<210	<210	<210	<210	<410	<210	**51 J**	<210	**25,000**	**0.57 J**	**3.7**	**173**	**0.69**	<0.64	**15,000**	**28.7**	**16.1**	**30.7 J**	**30,300**
SAIA-SB/SG46	SAIA-SB46-25	04/26/2017	N	24	25	<220	<220	<220	<220	<220	<430	<220	**53 J**	<220	**32,600**	**0.5 J**	**9.5**	**218**	**0.89**	<0.65	**13,400**	**35.5**	**20.7**	**40.7 J**	**38,400**
SAIA-SB/SG46	SAIA-SB46-35	04/26/2017	N	34	35	<220	<220	<220	<220	<220	<420	<220	**46 J**	<220	**25,500**	**0.52 J**	**22.1**	**179**	**0.71**	<0.62	**21,400**	**28.7**	**16.7**	**29.9 J**	**32,700**
SAIA-SB/SG47	SAIA-SB47-0.5	04/26/2017	N	0	0.5	<180	**66 J**	<180	<180	<180	<360	**1,000**	**43 J**	**860**	**12,500**	**1.4 J**	**2.6**	**116**	<0.55	**0.92**	**7,460**	**23.1**	**10.6**	**55.7 J**	**20,800**
SAIA-SB/SG47	SAIA-SB47-2	04/26/2017	N	1	2	<190	<190	<190	<190	<190	<360	<190	**67 J**	<190	**13,300**	**0.51 J**	**0.93 J**	**115**	<0.56	<0.56	**7,420**	**17**	**11.1**	**13.9 J**	**21,200**
SAIA-SB/SG47	SAIA-SB47-3	04/26/2017	FD	1	2	<190	<190	<190	<190	<190	<370	<190	**65 J**	<190	**14,500**	**0.38 J**	**1.5**	**121**	<0.58	<0.58	**8,050**	**18.5**	**11.8**	**15.8 J**	**22,800**
SAIA-SB/SG47	SAIA-SB47-5	04/26/2017	N	4	5	<190	<190	<190	<190	<190	<380	<190	**78 J**	<190	**14,500**	**0.35 J**	**1.3**	**120**	<0.56	<0.56	**7,950**	**18.2**	**11.8**	**16.4 J**	**22,300**
SAIA-SB/SG47	SAIA-SB47-15	04/26/2017	N	14	15	<210	<210	<210	<210	<210	<410	<210	**97 J**	<210	**17,600**	**0.36 J**	**1.8**	**131**	<0.61	<0.61	**15,200**	**22.1**	**13.4**	**18.2 J**	**26,000**
SAIA-SB/SG47	SAIA-SB47-25	04/26/2017	N	24	25	<220	<220	<220	<220	<220	<430	<220	**100 J**	<220	**33,100**	**0.53 J**	**2.6**	**235**	**0.94**	<0.67	**20,600**	**34.9**	**20.5**	**42.1 J**	**37,200**
SAIA-SB/SG47	SAIA-SB47-35	04/26/2017	N	34	35	<220	<220	<220	<220	<220	<430	<220	**120 J**	<220	**26,000**	**0.37 J**	**13.6**	**211**	**0.68**	<0.66	**13,200**	**30**	**20**	**28.5 J**	**35,900**
SAIA-SB12	SAIA-SB12-0.5	04/02/2013	N	0.5	1	<180	<180	<180	<180	<180	<350	<180	<180	<180	**13,300**	**8 J**	**2.7**	**126**	<0.51	<0.51	**7,550**	**18**	**9.6**	**15.5**	**23,300**
SAIA-SB12	SAIA-SB12-02	04/02/2013	N	2	2.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**11,600**	<5.51	**2.1**	**109**	<0.46	<0.46	**6,290**	**14.6**	**8.2**	**11.8**	**19,300**
SAIA-SB12	SAIA-SB12-05	04/02/2013	N	5	5.5	<190	<190	<190	<190	<190	<380	<190	<190	<190	**21,200**	R	**2.9**	**198**	<0.53	<0.53	**9,990**	**28.1**	**15**	**23.8 J**	**32,200**
SAIA-SB12	SAIA-SB12-15	04/02/2013	N	15	15.5	<200	<200	<200	<200	<200	<380	<200	<200	<200	**18,600**	<6.34	**3**	**160**	<0.53	<0.53	**10,300**	**24.8**	**12.4**	**21.4**	**28,500**
SAIA-SB12	SAIA-SB12-25	04/02/2013	N	25	25.5	<230	<230	<230	<230	<230	<450	<230	<230	<230	**14,300**	<6.32	**10.3**	**141**	<0.53	<0.53	**7,480**	**25.9**	**11.7**	**23.3**	**27,000**
SAIA-SB12	SAIA-SB12-35	04/02/2013	N	35	35.5	<180	<180	<180	<180	<180	<350	<180	<180	<180	**9,990**	<4.50	**11.8**	**92.5**	<0.37	<0.37	**4,450**	**12.3**	**7.6**	**9.8**	**17,800**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

						Metals by E200.7 (in mg/kg)			Metals by E200.7 (in mg/kg)								Metals by C245_5 (in mg/kg)	PCBs by SW8082 (in ug/kg)				
Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)
SAIA-SB/SG46	SAIA-SB46-15	04/26/2017	N	14	15	**6.7**	**11,100**	**522**	**20.9**	**5,280**	**0.71 J**	<1.3	**921**	<3.2	**62.9**	**93.7**	**0.064 J**	<41	<41	<41	<41	<41
SAIA-SB/SG46	SAIA-SB46-25	04/26/2017	N	24	25	**8.5**	**14,100**	**572**	**26.9**	**5,510**	<4.6	<1.3	**1,280**	<3.2	**76.5**	**112**	**0.048 J**	<43	<43	<43	<43	<43
SAIA-SB/SG46	SAIA-SB46-35	04/26/2017	N	34	35	**7.1**	**11,700**	**578**	**21.4**	**4,800**	<4.4	<1.2	**678**	<3.1	**63.8**	**90.4**	**0.18**	<42	<42	<42	<42	<42
SAIA-SB/SG47	SAIA-SB47-0.5	04/26/2017	N	0	0.5	**137**	**6,190**	**359**	**20.3**	**3,550**	**0.52 J**	<1.1	<546	<2.7	**39.5**	**176**	**0.064 J**	<36	<36	<36	<36	<36
SAIA-SB/SG47	SAIA-SB47-2	04/26/2017	N	1	2	**8**	**6,950**	**346**	**11.2**	**4,240**	**0.45 J**	<1.1	<559	<2.8	**41.5**	**64.6**	**0.032 J**	<36	<36	<36	<36	<36
SAIA-SB/SG47	SAIA-SB47-3	04/26/2017	FD	1	2	**19.1**	**7,470**	**388**	**12.5**	**4,490**	<4.1	<1.2	<580	<2.9	**44.5**	**79.7**	**0.045 J**	<37	<37	<37	<37	<37
SAIA-SB/SG47	SAIA-SB47-5	04/26/2017	N	4	5	**8.8**	**7,400**	**357**	**12.6**	**4,280**	<3.9	<1.1	<560	<2.8	**43.6**	**69.4**	**0.04 J**	<38	<38	<38	<38	<38
SAIA-SB/SG47	SAIA-SB47-15	04/26/2017	N	14	15	**7.6**	**8,970**	**500**	**14.8**	**4,850**	**0.44 J**	<1.2	**767**	<3	**54.1**	**75.1**	**0.052 J**	<41	<41	<41	<41	<41
SAIA-SB/SG47	SAIA-SB47-25	04/26/2017	N	24	25	**9.3**	**13,800**	**667**	**26.2**	**5,540**	**0.65 J**	<1.3	**941**	<3.3	**75.6**	**115**	**0.17**	<43	<43	<43	<43	<43
SAIA-SB/SG47	SAIA-SB47-35	04/26/2017	N	34	35	**6**	**13,200**	**604**	**22.5**	**6,340**	**3 J**	<1.3	<661	<3.3	**71.2**	**104**	**0.082 J**	<43	<43	<43	<43	<43
SAIA-SB12	SAIA-SB12-0.5	04/02/2013	N	0.5	1	**446**	**7,290**	**334**	**12.6**	**4,720**	<3.55	<1.01	<507	<2.54	**41**	**64.5**	**0.032 J**	<35	<35	<35	<35	**15 J**
SAIA-SB12	SAIA-SB12-02	04/02/2013	N	2	2.5	**7.6**	**6,260**	**280**	**10**	**3,860**	<3.22	<0.92	<459	<2.30	**36**	**50.5**	**0.032 J**	<35	<35	<35	<35	<35
SAIA-SB12	SAIA-SB12-05	04/02/2013	N	5	5.5	**7.4**	**11,600**	**510**	**20**	**6,150**	<3.73	<1.07	<533	<2.66	**59.6**	**86.9**	**0.075 J**	<38	<38	<38	<38	**9.8 J**
SAIA-SB12	SAIA-SB12-15	04/02/2013	N	15	15.5	**4.8**	**9,520**	**448**	**17**	**4,610**	<3.70	<1.06	**1,300 J**	<2.64	**57.1**	**69.7**	**0.057 J**	<39	<39	<39	<39	<39
SAIA-SB12	SAIA-SB12-25	04/02/2013	N	25	25.5	**5.3**	**8,860**	**462**	**20.4**	**3,050**	<3.69	<1.05	**687 J**	<2.63	**44.2**	**60.3**	**0.005 J**	<45	<45	<45	<45	<45
SAIA-SB12	SAIA-SB12-35	04/02/2013	N	35	35.5	**2.4**	**5,910**	**264**	**8.6**	**3,240**	<2.62	<0.75	**424 J**	<1.87	**30.7**	**44.5**	**0.019 J**	<34	<34	<34	<34	**12 J**

Appendix E-1
Analytical Results for Soil Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	PCBs by SW8082 (in ug/kg)			
						PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)
SAIA-SB/SG46	SAIA-SB46-15	04/26/2017	N	14	15	<41	<41	<41	<41
SAIA-SB/SG46	SAIA-SB46-25	04/26/2017	N	24	25	<43	<43	<43	<43
SAIA-SB/SG46	SAIA-SB46-35	04/26/2017	N	34	35	<42	<42	<42	<42
SAIA-SB/SG47	SAIA-SB47-0.5	04/26/2017	N	0	0.5	<36	**27 J**	<36	<36
SAIA-SB/SG47	SAIA-SB47-2	04/26/2017	N	1	2	<36	<36	<36	<36
SAIA-SB/SG47	SAIA-SB47-3	04/26/2017	FD	1	2	<37	<37	<37	<37
SAIA-SB/SG47	SAIA-SB47-5	04/26/2017	N	4	5	<38	<38	<38	<38
SAIA-SB/SG47	SAIA-SB47-15	04/26/2017	N	14	15	<41	<41	<41	<41
SAIA-SB/SG47	SAIA-SB47-25	04/26/2017	N	24	25	<43	<43	<43	<43
SAIA-SB/SG47	SAIA-SB47-35	04/26/2017	N	34	35	<43	<43	<43	<43
SAIA-SB12	SAIA-SB12-0.5	04/02/2013	N	0.5	1	<35	<35	<35	<35
SAIA-SB12	SAIA-SB12-02	04/02/2013	N	2	2.5	<35	<35	<35	<35
SAIA-SB12	SAIA-SB12-05	04/02/2013	N	5	5.5	<38	<38	<38	<38
SAIA-SB12	SAIA-SB12-15	04/02/2013	N	15	15.5	<39	<39	<39	<39
SAIA-SB12	SAIA-SB12-25	04/02/2013	N	25	25.5	<45	<45	<45	<45
SAIA-SB12	SAIA-SB12-35	04/02/2013	N	35	35.5	<34	<34	<34	<34

Notes:
Detected results shown in bold
ID = identification number
FD = Field duplicate sample results
J = Concentration is estimated because it falls between the method detection limit and laboratory reporting limit.
mg/kg = Milligrams per kilogram
N = Normal sample results
PCB = Polychlorinated biphenyl
R = Rejected results
ug/kg = Micrograms per kilogram
-- = Not analyzed

Appendix E-2

Analytical Results for Soil Gas Samples

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/m3)											
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
SAIA-SB/SG01	SG1-5, P4330cc	04/12/2013	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG01	SG1-15, P4814cc	04/12/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG01	SG1-25, P5298cc	04/12/2013	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG01	SG1-35, P5806cc	04/12/2013	N	35	35	<350	<280	<350	<390	<280	<410	<200	<270	<380	<250	--	--
SAIA-SB/SG02	SAIA-SG02-D05-E0413	04/11/2013	N	5	5	--	<100	<100	<100	<100	**40 J**	<80	--	<100	<90	<100	<100
SAIA-SB/SG02	SG2-5 Rep, P5580cc	04/11/2013	FD	5	5	<87	<69	<87	<96	<69	<100	<50	<68	<94	<62	--	--
SAIA-SB/SG02	SG2-5, P4330cc	04/11/2013	N	5	5	<87	<69	<87	<96	<69	<100	<50	<68	<94	<62	--	--
SAIA-SB/SG02	SG2-15, P4814cc	04/11/2013	N	15	15	<35	<28	<35	<39	<28	**110**	<20	<27	<38	**26**	--	--
SAIA-SB/SG02	SG2-25, P5298cc	04/11/2013	N	25	25	<87	<69	<87	<96	<69	**280**	**320**	<68	<94	<62	--	--
SAIA-SB/SG02	SG2-35, P5806cc	04/11/2013	N	35	35	<87	<69	<87	<96	<69	**8,100**	**1,300**	<68	<94	<62	--	--
SAIA-SB/SG03	SG3-5 Rep, P4380cc	04/10/2013	FD	5	5	<3500	<2800	<3500	<3900	<2800	**21,000**	<2000	<2700	<3800	**23,000**	--	--
SAIA-SB/SG03	SG3-5, P4330cc	04/10/2013	N	5	5	<3500	<2800	<3500	<3900	<2800	**17,000**	<2000	<2700	<3800	**14,000**	--	--
SAIA-SB/SG03	SG3-15, P4814cc	04/11/2013	N	15	15	<870	<690	<870	<960	<690	<1000	<500	<680	<940	<620	--	--
SAIA-SB/SG03	SG3-25, P5298cc	04/10/2013	N	25	25	<3500	<2800	<3500	<3900	<2800	**16,000**	**3,400**	<2700	<3800	**5,800**	--	--
SAIA-SB/SG03	SG3-35, P5806cc	04/11/2013	N	35	35	<44000	<34000	<44000	<48000	<34000	**190,000**	<25000	<34000	<47000	<31000	--	--
SAIA-SB/SG04	SG4-5, P4330cc	04/11/2013	N	5	5	<35	**160**	<35	<39	<28	**1,900**	**120**	<27	<38	**320**	--	--
SAIA-SB/SG04	SG4-15, P4814cc	04/11/2013	N	15	15	<1700	<1400	<1700	<1900	<1400	**2,800**	<1000	<1400	<1900	<1200	--	--
SAIA-SB/SG04	SG4-25, P5298cc	04/11/2013	N	25	25	<1700	<1400	<1700	<1900	<1400	**11,000**	<1000	<1400	<1900	<1200	--	--
SAIA-SB/SG04	SG4-35, P5806cc	04/11/2013	N	35	35	<4400	<3400	<4400	<4800	<3400	**23,000**	<2500	<3400	<4700	<3100	--	--
SAIA-SB/SG05	SG5-5 Rep, P4380cc	04/16/2013	FD	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG05	SG5-5, P4330cc	04/16/2013	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG05	SG5-15, P4814cc	04/16/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG05	SG5-25, P5298cc	04/16/2013	N	25	25	<35	<28	<35	<39	<28	<41	**30**	<27	<38	<25	--	--
SAIA-SB/SG05	SG5-35, P5806cc	04/16/2013	N	35	35	<350	<280	<350	<390	<280	<410	<200	<270	<380	<250	--	--
SAIA-SB/SG06	SG6-5, 10PV, P4330cc	04/08/2013	N	5	5	<35	<28	<35	<39	<28	**270**	**61**	<27	<38	**2,300**	--	--
SAIA-SB/SG06	SG6-5, 1PV, P433cc	04/08/2013	N	5	5	<35	<28	<35	<39	<28	**250**	**68**	<27	<38	**1,800**	--	--
SAIA-SB/SG06	SG6-5, 3PV, P1299cc	04/08/2013	N	5	5	<35	<28	<35	<39	<28	**220**	**44**	<27	<38	**1,600**	--	--
SAIA-SB/SG06	SG6-15, 1PV, P481cc	04/08/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	**180**	--	--
SAIA-SB/SG06	SG6-15, 3PV, P1443cc	04/08/2013	N	15	15	<35	<28	<35	<39	<28	<41	**39**	<27	<38	**120**	--	--
SAIA-SB/SG06	SG6-25, 10PV, P5298cc	04/08/2013	N	25	25	<35	<28	<35	<39	<28	**1,900**	**6,800**	<27	<38	**890**	--	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						1,2-Dichloroethane	1,2-Dichloropropane	1,2-Dichlorotetrafluoroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	Benzene	Bromodichloromethane	Bromomethane	Carbon Tetrachloride	Chlorobenzene
SAIA-SB/SG01	SG1-5, P4330cc	04/12/2013	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG01	SG1-15, P4814cc	04/12/2013	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG01	SG1-25, P5298cc	04/12/2013	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG01	SG1-35, P5806cc	04/12/2013	N	35	35	<210	--	--	<250	--	<300	<360	<160	<340	<390	<130	--
SAIA-SB/SG02	SAIA-SG02-D05-E0413	04/11/2013	N	5	5	<80	<90	<100	<90	<100	<100	--	<60	--	<70	<100	<90
SAIA-SB/SG02	SG2-5 Rep, P5580cc	04/11/2013	FD	5	5	<51	--	--	<62	--	<76	<91	<40	<85	<99	<32	--
SAIA-SB/SG02	SG2-5, P4330cc	04/11/2013	N	5	5	<51	--	--	<62	--	<76	<91	<40	<85	<99	<32	--
SAIA-SB/SG02	SG2-15, P4814cc	04/11/2013	N	15	15	<21	--	--	<25	--	<30	<36	**41**	<34	<39	<13	--
SAIA-SB/SG02	SG2-25, P5298cc	04/11/2013	N	25	25	<51	--	--	<62	--	<76	<91	<40	<85	<99	<32	--
SAIA-SB/SG02	SG2-35, P5806cc	04/11/2013	N	35	35	**75**	--	--	<62	--	<76	<91	**75**	<85	<99	<32	--
SAIA-SB/SG03	SG3-5 Rep, P4380cc	04/10/2013	FD	5	5	<2100	--	--	**6,100**	--	<3000	<3600	<1600	<3400	<3900	<1300	--
SAIA-SB/SG03	SG3-5, P4330cc	04/10/2013	N	5	5	<2100	--	--	**4,300**	--	<3000	<3600	<1600	<3400	<3900	<1300	--
SAIA-SB/SG03	SG3-15, P4814cc	04/11/2013	N	15	15	<510	--	--	<620	--	<760	<910	<400	<850	<990	<320	--
SAIA-SB/SG03	SG3-25, P5298cc	04/10/2013	N	25	25	<2100	--	--	<2500	--	<3000	<3600	<1600	<3400	<3900	<1300	--
SAIA-SB/SG03	SG3-35, P5806cc	04/11/2013	N	35	35	<26000	--	--	<31000	--	<38000	<46000	<20000	<43000	<49000	<16000	--
SAIA-SB/SG04	SG4-5, P4330cc	04/11/2013	N	5	5	<21	--	--	**79**	--	<30	<36	**70**	<34	<39	<13	--
SAIA-SB/SG04	SG4-15, P4814cc	04/11/2013	N	15	15	<1000	--	--	<1200	--	<1500	<1800	<810	<1700	<2000	<640	--
SAIA-SB/SG04	SG4-25, P5298cc	04/11/2013	N	25	25	<1000	--	--	<1200	--	<1500	<1800	<810	<1700	<2000	<640	--
SAIA-SB/SG04	SG4-35, P5806cc	04/11/2013	N	35	35	<2600	--	--	<3100	--	<3800	<4600	<2000	<4300	<4900	<1600	--
SAIA-SB/SG05	SG5-5 Rep, P4380cc	04/16/2013	FD	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG05	SG5-5, P4330cc	04/16/2013	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG05	SG5-15, P4814cc	04/16/2013	N	15	15	<21	--	--	<25	--	<30	<36	**70**	<34	<39	<13	--
SAIA-SB/SG05	SG5-25, P5298cc	04/16/2013	N	25	25	<21	--	--	<25	--	<30	<36	**170**	<34	<39	<13	--
SAIA-SB/SG05	SG5-35, P5806cc	04/16/2013	N	35	35	<210	--	--	<250	--	<300	<360	<160	<340	<390	<130	--
SAIA-SB/SG06	SG6-5, 10PV, P4330cc	04/08/2013	N	5	5	<21	--	--	**710**	--	<30	<36	**36**	<34	<39	<13	--
SAIA-SB/SG06	SG6-5, 1PV, P433cc	04/08/2013	N	5	5	<21	--	--	**590**	--	<30	<36	**36**	<34	<39	<13	--
SAIA-SB/SG06	SG6-5, 3PV, P1299cc	04/08/2013	N	5	5	<21	--	--	**540**	--	<30	<36	**43**	<34	<39	<13	--
SAIA-SB/SG06	SG6-15, 1PV, P481cc	04/08/2013	N	15	15	<21	--	--	**44**	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG06	SG6-15, 3PV, P1443cc	04/08/2013	N	15	15	<21	--	--	**34**	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG06	SG6-25, 10PV, P5298cc	04/08/2013	N	25	25	<21	--	--	**320**	--	<30	<36	**530**	<34	<39	<13	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropanol	Isopropylbenzene (Cumene)	m,p-Xylene	Methylene Chloride
SAIA-SB/SG01	SG1-5, P4330cc	04/12/2013	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG01	SG1-15, P4814cc	04/12/2013	N	15	15	<27	<25	<21	**44**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG01	SG1-25, P5298cc	04/12/2013	N	25	25	<27	<25	<21	**250**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG01	SG1-35, P5806cc	04/12/2013	N	35	35	<270	<250	<210	**1,900**	--	<250	<220	--	--	<250	<440	<180
SAIA-SB/SG02	SAIA-SG02-D05-E0413	04/11/2013	N	5	5	<50	<90	<40	--	<90	--	<80	<200	--	--	<200	<70
SAIA-SB/SG02	SG2-5 Rep, P5580cc	04/11/2013	FD	5	5	<67	<62	<52	**790**	--	<63	<55	--	--	<62	<110	<44
SAIA-SB/SG02	SG2-5, P4330cc	04/11/2013	N	5	5	<67	<62	<52	**1,600**	--	<63	<55	--	--	<62	<110	<44
SAIA-SB/SG02	SG2-15, P4814cc	04/11/2013	N	15	15	<27	<25	<21	**2,700**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG02	SG2-25, P5298cc	04/11/2013	N	25	25	<67	<62	<52	**6,700**	--	<63	<55	--	--	<62	<110	<44
SAIA-SB/SG02	SG2-35, P5806cc	04/11/2013	N	35	35	<67	<62	<52	**360,000**	--	<63	<55	--	--	<62	<110	<44
SAIA-SB/SG03	SG3-5 Rep, P4380cc	04/10/2013	FD	5	5	<2700	<2500	<2100	**330,000**	--	<2500	<2200	--	--	<2500	**4,800**	<1800
SAIA-SB/SG03	SG3-5, P4330cc	04/10/2013	N	5	5	<2700	<2500	<2100	**210,000**	--	<2500	<2200	--	--	<2500	<4400	<1800
SAIA-SB/SG03	SG3-15, P4814cc	04/11/2013	N	15	15	<670	<620	<520	**8,400**	--	<630	<550	--	--	<620	<1100	<440
SAIA-SB/SG03	SG3-25, P5298cc	04/10/2013	N	25	25	<2700	<2500	<2100	**130,000**	--	<2500	<2200	--	--	<2500	<4400	<1800
SAIA-SB/SG03	SG3-35, P5806cc	04/11/2013	N	35	35	<33000	<31000	<26000	**4,900,000**	--	<31000	<27000	--	--	<31000	<55000	<22000
SAIA-SB/SG04	SG4-5, P4330cc	04/11/2013	N	5	5	<27	**120**	<21	**40,000**	--	<25	**26**	--	--	**54**	**53**	<18
SAIA-SB/SG04	SG4-15, P4814cc	04/11/2013	N	15	15	<1300	<1200	<1000	**13,000**	--	<1300	<1100	--	--	<1200	<2200	<880
SAIA-SB/SG04	SG4-25, P5298cc	04/11/2013	N	25	25	<1300	<1200	<1000	**77,000**	--	<1300	<1100	--	--	<1200	<2200	<880
SAIA-SB/SG04	SG4-35, P5806cc	04/11/2013	N	35	35	<3300	<3100	<2600	**650,000**	--	<3100	<2700	--	--	<3100	<5500	<2200
SAIA-SB/SG05	SG5-5 Rep, P4380cc	04/16/2013	FD	5	5	<27	<25	<21	**240**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG05	SG5-5, P4330cc	04/16/2013	N	5	5	<27	<25	<21	**210**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG05	SG5-15, P4814cc	04/16/2013	N	15	15	<27	<25	<21	**80**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG05	SG5-25, P5298cc	04/16/2013	N	25	25	<27	<25	<21	**200**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG05	SG5-35, P5806cc	04/16/2013	N	35	35	<270	<250	<210	**810**	--	<250	<220	--	--	<250	<440	<180
SAIA-SB/SG06	SG6-5, 10PV, P4330cc	04/08/2013	N	5	5	<27	<25	<21	**1,800**	--	**45**	**180**	--	--	**150**	**680**	<18
SAIA-SB/SG06	SG6-5, 1PV, P433cc	04/08/2013	N	5	5	<27	<25	<21	**1,800**	--	**47**	**190**	--	--	**130**	**660**	<18
SAIA-SB/SG06	SG6-5, 3PV, P1299cc	04/08/2013	N	5	5	<27	<25	<21	**1,500**	--	**33**	**160**	--	--	**130**	**570**	<18
SAIA-SB/SG06	SG6-15, 1PV, P481cc	04/08/2013	N	15	15	<27	<25	<21	**1,800**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG06	SG6-15, 3PV, P1443cc	04/08/2013	N	15	15	<27	<25	<21	**3,800**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG06	SG6-25, 10PV, P5298cc	04/08/2013	N	25	25	<27	<25	<21	**470,000**	--	**270**	**89**	--	--	**100**	**220**	<18

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)												
						Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)
SAIA-SB/SG01	SG1-5, P4330cc	04/12/2013	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**13,000**	<19	<40	--	**130**
SAIA-SB/SG01	SG1-15, P4814cc	04/12/2013	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**720**	<19	<40	--	**100**
SAIA-SB/SG01	SG1-25, P5298cc	04/12/2013	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**42,000**	<19	<40	--	**18,000**
SAIA-SB/SG01	SG1-35, P5806cc	04/12/2013	N	35	35	<270	<280	<250	<220	<280	<280	--	<280	**6,100**	<190	<400	--	**8,100**
SAIA-SB/SG02	SAIA-SG02-D05-E0413	04/11/2013	N	5	5	--	--	--	<80	--	--	<80	--	--	<70	--	<90	**1,500**
SAIA-SB/SG02	SG2-5 Rep, P5580cc	04/11/2013	FD	5	5	<66	<70	<62	<55	<70	<70	--	<70	**3,200**	<48	<100	--	**2,400**
SAIA-SB/SG02	SG2-5, P4330cc	04/11/2013	N	5	5	<66	<70	<62	<55	<70	<70	--	<70	**3,400**	<48	<100	--	**1,700**
SAIA-SB/SG02	SG2-15, P4814cc	04/11/2013	N	15	15	<27	<28	<25	<22	**47**	<28	--	<28	**4,400**	<19	**41**	--	**8,400**
SAIA-SB/SG02	SG2-25, P5298cc	04/11/2013	N	25	25	<66	<70	<62	<55	<70	<70	--	<70	**220**	<48	**610**	--	**18,000**
SAIA-SB/SG02	SG2-35, P5806cc	04/11/2013	N	35	35	<66	<70	<62	<55	<70	<70	--	<70	**610**	<48	**7,700**	--	**280,000**
SAIA-SB/SG03	SG3-5 Rep, P4380cc	04/10/2013	FD	5	5	<2700	<2800	<2500	**3,400**	**7,800**	<2800	--	<2800	<3400	**2,900**	<4000	--	**270,000**
SAIA-SB/SG03	SG3-5, P4330cc	04/10/2013	N	5	5	<2700	<2800	<2500	**3,200**	**4,400**	<2800	--	<2800	<3400	**2,500**	<4000	--	**140,000**
SAIA-SB/SG03	SG3-15, P4814cc	04/11/2013	N	15	15	<660	<700	<620	<550	<700	<700	--	<700	<860	<480	<1000	--	**3,900**
SAIA-SB/SG03	SG3-25, P5298cc	04/10/2013	N	25	25	<2700	<2800	<2500	<2200	<2800	<2800	--	<2800	<3400	**3,200**	<4000	--	**89,000**
SAIA-SB/SG03	SG3-35, P5806cc	04/11/2013	N	35	35	<33000	<35000	<31000	<27000	<35000	<35000	--	<35000	<43000	<24000	<50000	--	**7,800,000**
SAIA-SB/SG04	SG4-5, P4330cc	04/11/2013	N	5	5	<27	<28	<25	**32**	**100**	**96**	--	<28	**6,700**	**44**	**260**	--	**130,000**
SAIA-SB/SG04	SG4-15, P4814cc	04/11/2013	N	15	15	<1300	<1400	<1200	<1100	<1400	<1400	--	<1400	**8,200**	<950	<2000	--	**130,000**
SAIA-SB/SG04	SG4-25, P5298cc	04/11/2013	N	25	25	<1300	<1400	<1200	<1100	<1400	<1400	--	<1400	**5,300**	<950	**2,100**	--	**310,000**
SAIA-SB/SG04	SG4-35, P5806cc	04/11/2013	N	35	35	<3300	<3500	<3100	<2700	<3500	<3500	--	<3500	<4300	<2400	**11,000**	--	**650,000**
SAIA-SB/SG05	SG5-5 Rep, P4380cc	04/16/2013	FD	5	5	<27	<28	<25	<22	<28	<28	--	<28	**970**	<19	<40	--	**1,200**
SAIA-SB/SG05	SG5-5, P4330cc	04/16/2013	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**990**	<19	<40	--	**1,200**
SAIA-SB/SG05	SG5-15, P4814cc	04/16/2013	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**770**	<19	<40	--	**2,500**
SAIA-SB/SG05	SG5-25, P5298cc	04/16/2013	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**130**	<19	**83**	--	**11,000**
SAIA-SB/SG05	SG5-35, P5806cc	04/16/2013	N	35	35	<270	<280	<250	<220	<280	<280	--	<280	<340	<190	<400	--	**20,000**
SAIA-SB/SG06	SG6-5, 10PV, P4330cc	04/08/2013	N	5	5	<27	**570**	**190**	**360**	**380 J**	**280**	--	**290**	**240**	**110**	**65**	--	**480**
SAIA-SB/SG06	SG6-5, 1PV, P433cc	04/08/2013	N	5	5	<27	**350**	**160**	**330**	**310 J**	**230**	--	**220**	**220**	**120**	**67**	--	**560**
SAIA-SB/SG06	SG6-5, 3PV, P1299cc	04/08/2013	N	5	5	<27	**350**	**150**	**300**	**280 J**	**220**	--	**210**	**190**	**110**	**62**	--	**440**
SAIA-SB/SG06	SG6-15, 1PV, P481cc	04/08/2013	N	15	15	**32 J**	<28	<25	<22	**51 J**	**29**	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG06	SG6-15, 3PV, P1443cc	04/08/2013	N	15	15	<27	**44**	<25	<22	**29 J**	<28	--	<28	<34	<19	<40	--	**43**
SAIA-SB/SG06	SG6-25, 10PV, P5298cc	04/08/2013	N	25	25	<27	<28	**99**	**120**	**250 J**	**180**	--	<28	**61**	**110**	**4,300**	--	**2,600**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)	
						Trichlorofluoromethane	Vinyl Chloride
SAIA-SB/SG01	SG1-5, P4330cc	04/12/2013	N	5	5	<28	<13
SAIA-SB/SG01	SG1-15, P4814cc	04/12/2013	N	15	15	<28	<13
SAIA-SB/SG01	SG1-25, P5298cc	04/12/2013	N	25	25	<28	<13
SAIA-SB/SG01	SG1-35, P5806cc	04/12/2013	N	35	35	<280	<130
SAIA-SB/SG02	SAIA-SG02-D05-E0413	04/11/2013	N	5	5	<100	**50 J**
SAIA-SB/SG02	SG2-5 Rep, P5580cc	04/11/2013	FD	5	5	<71	<32
SAIA-SB/SG02	SG2-5, P4330cc	04/11/2013	N	5	5	<71	<32
SAIA-SB/SG02	SG2-15, P4814cc	04/11/2013	N	15	15	<28	<13
SAIA-SB/SG02	SG2-25, P5298cc	04/11/2013	N	25	25	<71	**73**
SAIA-SB/SG02	SG2-35, P5806cc	04/11/2013	N	35	35	<71	**2,500**
SAIA-SB/SG03	SG3-5 Rep, P4380cc	04/10/2013	FD	5	5	<2800	**91,000**
SAIA-SB/SG03	SG3-5, P4330cc	04/10/2013	N	5	5	<2800	**88,000**
SAIA-SB/SG03	SG3-15, P4814cc	04/11/2013	N	15	15	<710	**610**
SAIA-SB/SG03	SG3-25, P5298cc	04/10/2013	N	25	25	<2800	**75,000**
SAIA-SB/SG03	SG3-35, P5806cc	04/11/2013	N	35	35	<35000	**130,000**
SAIA-SB/SG04	SG4-5, P4330cc	04/11/2013	N	5	5	<28	**390**
SAIA-SB/SG04	SG4-15, P4814cc	04/11/2013	N	15	15	<1400	<650
SAIA-SB/SG04	SG4-25, P5298cc	04/11/2013	N	25	25	<1400	<650
SAIA-SB/SG04	SG4-35, P5806cc	04/11/2013	N	35	35	<3500	**6,300**
SAIA-SB/SG05	SG5-5 Rep, P4380cc	04/16/2013	FD	5	5	<28	<13
SAIA-SB/SG05	SG5-5, P4330cc	04/16/2013	N	5	5	<28	<13
SAIA-SB/SG05	SG5-15, P4814cc	04/16/2013	N	15	15	<28	<13
SAIA-SB/SG05	SG5-25, P5298cc	04/16/2013	N	25	25	<28	<13
SAIA-SB/SG05	SG5-35, P5806cc	04/16/2013	N	35	35	<280	<130
SAIA-SB/SG06	SG6-5, 10PV, P4330cc	04/08/2013	N	5	5	<28	**7,000**
SAIA-SB/SG06	SG6-5, 1PV, P433cc	04/08/2013	N	5	5	<28	**4,900**
SAIA-SB/SG06	SG6-5, 3PV, P1299cc	04/08/2013	N	5	5	<28	**5,000**
SAIA-SB/SG06	SG6-15, 1PV, P481cc	04/08/2013	N	15	15	<28	**110**
SAIA-SB/SG06	SG6-15, 3PV, P1443cc	04/08/2013	N	15	15	<28	**500**
SAIA-SB/SG06	SG6-25, 10PV, P5298cc	04/08/2013	N	25	25	<28	**130,000**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/m3)											
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
SAIA-SB/SG06	SG6-25, 1PV, P530cc	04/08/2013	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG06	SG6-25, 3PV, P1590cc	04/08/2013	N	25	25	<35	<28	<35	<39	<28	**890**	**2,900**	<27	<38	**480**	--	--
SAIA-SB/SG06	SAIA-SG06-D35-E0413	04/09/2013	N	35	35	--	<100	**200**	<100	<100	**400**	**2,100**	--	<100	**200**	<100	<100
SAIA-SB/SG06	SG6-35, 10PV, P5806cc	04/09/2013	N	35	35	<35	<28	<35	<39	<28	**620**	**3,300**	<27	<38	**200**	--	--
SAIA-SB/SG06	SG6-35, 1PV, P581cc	04/09/2013	N	35	35	<35	<28	<35	<39	<28	**710**	**3,600**	<27	<38	**330**	--	--
SAIA-SB/SG06	SG6-35, 3PV, P1742cc	04/09/2013	N	35	35	<35	<28	<35	<39	<28	**530**	**2,700**	<27	<38	**200**	--	--
SAIA-SB/SG07	SG7-5 Rep, P4380cc	04/15/2013	FD	5	5	<1700	<1400	<1700	<1900	<1400	<2100	<1000	<1400	<1900	<1200	--	--
SAIA-SB/SG07	SG7-5, P4330cc	04/15/2013	N	5	5	<1700	<1400	<1700	<1900	<1400	<2100	<1000	<1400	<1900	<1200	--	--
SAIA-SB/SG07	SG7-15, P4814cc	04/16/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG07	SG7-25, P5298cc	04/16/2013	N	25	25	<35	<28	<35	<39	<28	**1,300**	**280**	<27	<38	<25	--	--
SAIA-SB/SG07	SG7-35, P5806cc	04/16/2013	N	35	35	<870	<690	<870	<960	<690	**5,400**	**4,100**	<680	<940	<620	--	--
SAIA-SB/SG08	SAIA-SG08-D05-E0413	04/15/2013	N	5	5	--	<6100	<7700	<8600	<6100	**65,000**	<4500	--	<8300	<5500	<8600	<6800
SAIA-SB/SG08	SG8-5, P4330cc	04/15/2013	N	5	5	<17000	<14000	<17000	<19000	<14000	**83,000**	<10000	<14000	<19000	<12000	--	--
SAIA-SB/SG08	SG8-15, P4814cc	04/15/2013	N	15	15	<17000	<14000	<17000	<19000	<14000	**180,000**	**14,000**	<14000	<19000	<12000	--	--
SAIA-SB/SG08	SG8-25, P5298cc	04/15/2013	N	25	25	<22000	<17000	<22000	<24000	<17000	**130,000**	**23,000**	<17000	<23000	<16000	--	--
SAIA-SB/SG08	SG8-35, P5806cc	04/15/2013	N	35	35	<35000	<28000	<35000	<39000	<28000	**110,000**	<20000	<27000	<38000	<25000	--	--
SAIA-SB/SG09	SG9-5, P4330cc	04/10/2013	N	5	5	<44000	**100,000**	<44000	<48000	<34000	**430,000**	<25000	<34000	<47000	<31000	--	--
SAIA-SB/SG09	SG9-15, P4814cc	04/10/2013	N	15	15	<44000	<34000	<44000	<48000	<34000	**240,000**	<25000	<34000	<47000	<31000	--	--
SAIA-SB/SG09	SG9-25, P5298cc	04/10/2013	N	25	25	<44000	<34000	<44000	<48000	<34000	**420,000**	**140,000**	<34000	<47000	**46,000**	--	--
SAIA-SB/SG09	SAIA-SG09-D35-E0413	04/10/2013	N	35	35	--	<23000	<29000	<32000	<23000	**150,000**	**28,000**	--	<31000	<21000	<32000	<25000
SAIA-SB/SG09	SG9-35, P5806cc	04/10/2013	N	35	35	<870	<690	<870	<960	**1,700**	**170,000**	**30,000**	<680	<940	**2,400**	--	--
SAIA-SB/SG10	SG10-5, P4330cc	04/10/2013	N	5	5	<870	**190,000**	<870	<960	<690	**250,000**	**16,000**	<680	<940	**1,100**	--	--
SAIA-SB/SG10	SAIA-SG10-D15-E0413	04/10/2013	N	15	15	--	**37,000**	<17000	<19000	<14000	**270,000**	**21,000**	--	<19000	<12000	<19000	<15000
SAIA-SB/SG10	SG10-15, P4814cc	04/10/2013	N	15	15	<44000	**70,000**	<44000	<48000	<34000	**380,000**	**40,000**	<34000	<47000	<31000	--	--
SAIA-SB/SG10	SG10-25, P5298cc	04/10/2013	N	25	25	<44000	<34000	<44000	<48000	<34000	**650,000**	**86,000**	<34000	<47000	<31000	--	--
SAIA-SB/SG10	SG10-35, P5806cc	04/10/2013	N	35	35	<3500	<2800	<3500	<3900	<2800	<4100	<2000	<2700	<3800	<2500	--	--
SAIA-SB/SG11	SG11-5, P4330cc	04/16/2013	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG11	SG11-15, P4814cc	04/16/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG11	SAIA-SG11-D25-E0413	04/16/2013	N	25	25	--	<100	<100	<200	<100	<80	<80	--	<200	**100 J**	<200	<100
SAIA-SB/SG11	SG11-25, P5298cc	04/16/2013	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	**43**	--	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						1,2-Dichloroethane	1,2-Dichloropropane	1,2-Dichlorotetrafluoroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	Benzene	Bromodichloromethane	Bromomethane	Carbon Tetrachloride	Chlorobenzene
SAIA-SB/SG06	SG6-25, 1PV, P530cc	04/08/2013	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG06	SG6-25, 3PV, P1590cc	04/08/2013	N	25	25	<21	--	--	**160**	--	<30	<36	**170**	<34	<39	<13	--
SAIA-SB/SG06	SAIA-SG06-D35-E0413	04/09/2013	N	35	35	<80	<90	<100	**60 J**	<100	<100	--	**50 J**	--	<70	<100	<90
SAIA-SB/SG06	SG6-35, 10PV, P5806cc	04/09/2013	N	35	35	<21	--	--	**65**	--	<30	**140**	**80**	<34	<39	<13	--
SAIA-SB/SG06	SG6-35, 1PV, P581cc	04/09/2013	N	35	35	<21	--	--	**100**	--	<30	**150**	**100**	<34	<39	<13	--
SAIA-SB/SG06	SG6-35, 3PV, P1742cc	04/09/2013	N	35	35	<21	--	--	**58**	--	<30	**100**	**81**	<34	<39	<13	--
SAIA-SB/SG07	SG7-5 Rep, P4380cc	04/15/2013	FD	5	5	<1000	--	--	<1200	--	<1500	<1800	<810	<1700	<2000	<640	--
SAIA-SB/SG07	SG7-5, P4330cc	04/15/2013	N	5	5	<1000	--	--	<1200	--	<1500	<1800	<810	<1700	<2000	<640	--
SAIA-SB/SG07	SG7-15, P4814cc	04/16/2013	N	15	15	<21	--	--	<25	--	<30	<36	**89**	<34	<39	<13	--
SAIA-SB/SG07	SG7-25, P5298cc	04/16/2013	N	25	25	<21	--	--	<25	--	<30	<36	**120**	<34	<39	<13	--
SAIA-SB/SG07	SG7-35, P5806cc	04/16/2013	N	35	35	<510	--	--	<620	--	<760	<910	<400	<850	<990	<320	--
SAIA-SB/SG08	SAIA-SG08-D05-E0413	04/15/2013	N	5	5	<4500	<5200	<7900	<5500	<6800	<6800	--	<3600	--	<4400	<7100	<5200
SAIA-SB/SG08	SG8-5, P4330cc	04/15/2013	N	5	5	<10000	--	--	<12000	--	<15000	<18000	<8100	<17000	<20000	<6400	--
SAIA-SB/SG08	SG8-15, P4814cc	04/15/2013	N	15	15	<10000	--	--	<12000	--	<15000	<18000	<8100	<17000	<20000	<6400	--
SAIA-SB/SG08	SG8-25, P5298cc	04/15/2013	N	25	25	<13000	--	--	<16000	--	<19000	<23000	<10000	<21000	<25000	<8000	--
SAIA-SB/SG08	SG8-35, P5806cc	04/15/2013	N	35	35	<21000	--	--	<25000	--	<30000	<36000	<16000	<34000	<39000	<13000	--
SAIA-SB/SG09	SG9-5, P4330cc	04/10/2013	N	5	5	<26000	--	--	<31000	--	<38000	<46000	<20000	<43000	<49000	<16000	--
SAIA-SB/SG09	SG9-15, P4814cc	04/10/2013	N	15	15	<26000	--	--	<31000	--	<38000	<46000	<20000	<43000	<49000	<16000	--
SAIA-SB/SG09	SG9-25, P5298cc	04/10/2013	N	25	25	<26000	--	--	<31000	--	<38000	<46000	<20000	<43000	<49000	<16000	--
SAIA-SB/SG09	SAIA-SG09-D35-E0413	04/10/2013	N	35	35	<17000	<19000	<29000	<21000	<25000	<25000	--	<13000	--	<16000	<26000	<19000
SAIA-SB/SG09	SG9-35, P5806cc	04/10/2013	N	35	35	**900**	--	--	<620	--	<760	<910	**850**	<850	<990	<320	--
SAIA-SB/SG10	SG10-5, P4330cc	04/10/2013	N	5	5	<510	--	--	<620	--	<760	<910	<400	<850	<990	<320	--
SAIA-SB/SG10	SAIA-SG10-D15-E0413	04/10/2013	N	15	15	<10000	<12000	<17000	<12000	<15000	<15000	--	<8000	--	<9700	<16000	<11000
SAIA-SB/SG10	SG10-15, P4814cc	04/10/2013	N	15	15	<26000	--	--	<31000	--	<38000	<46000	<20000	<43000	<49000	<16000	--
SAIA-SB/SG10	SG10-25, P5298cc	04/10/2013	N	25	25	<26000	--	--	<31000	--	<38000	<46000	<20000	<43000	<49000	<16000	--
SAIA-SB/SG10	SG10-35, P5806cc	04/10/2013	N	35	35	<2100	--	--	<2500	--	<3000	<3600	<1600	<3400	<3900	<1300	--
SAIA-SB/SG11	SG11-5, P4330cc	04/16/2013	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG11	SG11-15, P4814cc	04/16/2013	N	15	15	<21	--	--	<25	--	<30	<36	**21**	<34	<39	<13	--
SAIA-SB/SG11	SAIA-SG11-D25-E0413	04/16/2013	N	25	25	<80	<100	<100	<100	<100	<100	--	<70	--	<80	<100	<100
SAIA-SB/SG11	SG11-25, P5298cc	04/16/2013	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropanol	Isopropylbenzene (Cumene)	m,p-Xylene	Methylene Chloride
SAIA-SB/SG06	SG6-25, 1PV, P530cc	04/08/2013	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG06	SG6-25, 3PV, P1590cc	04/08/2013	N	25	25	<27	<25	<21	**430,000**	--	**85**	**50**	--	--	<25	**160**	<18
SAIA-SB/SG06	SAIA-SG06-D35-E0413	04/09/2013	N	35	35	<50	<90	<40	**38,000**	<90	--	<80	<200	--	--	<200	<70
SAIA-SB/SG06	SG6-35, 10PV, P5806cc	04/09/2013	N	35	35	<27	<25	<21	**66,000**	--	**240**	<22	--	--	<25	<44	<18
SAIA-SB/SG06	SG6-35, 1PV, P581cc	04/09/2013	N	35	35	<27	<25	<21	**57,000**	--	**270**	<22	--	--	<25	<44	<18
SAIA-SB/SG06	SG6-35, 3PV, P1742cc	04/09/2013	N	35	35	<27	<25	<21	**41,000**	--	**230**	<22	--	--	<25	<44	<18
SAIA-SB/SG07	SG7-5 Rep, P4380cc	04/15/2013	FD	5	5	<1300	<1200	<1000	**2,200**	--	<1300	<1100	--	--	<1200	<2200	<880
SAIA-SB/SG07	SG7-5, P4330cc	04/15/2013	N	5	5	<1300	<1200	<1000	**6,300**	--	<1300	<1100	--	--	<1200	<2200	<880
SAIA-SB/SG07	SG7-15, P4814cc	04/16/2013	N	15	15	<27	<25	<21	**600**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG07	SG7-25, P5298cc	04/16/2013	N	25	25	<27	<25	<21	**24,000**	--	**34**	<22	--	--	<25	<44	<18
SAIA-SB/SG07	SG7-35, P5806cc	04/16/2013	N	35	35	<670	<620	<520	**200,000**	--	<630	<550	--	--	<620	<1100	<440
SAIA-SB/SG08	SAIA-SG08-D05-E0413	04/15/2013	N	5	5	<3000	<5500	<2300	**260,000**	<5100	--	<4900	<12000	--	--	<9800	<3900
SAIA-SB/SG08	SG8-5, P4330cc	04/15/2013	N	5	5	<13000	<12000	<10000	**230,000**	--	<13000	<11000	--	--	<12000	<22000	<8800
SAIA-SB/SG08	SG8-15, P4814cc	04/15/2013	N	15	15	<13000	<12000	<10000	**2,400,000**	--	<13000	<11000	--	--	<12000	<22000	<8800
SAIA-SB/SG08	SG8-25, P5298cc	04/15/2013	N	25	25	<17000	<15000	<13000	**4,000,000**	--	<16000	<14000	--	--	<16000	<27000	<11000
SAIA-SB/SG08	SG8-35, P5806cc	04/15/2013	N	35	35	<27000	<25000	<21000	**3,100,000**	--	<25000	<22000	--	--	<25000	<44000	<18000
SAIA-SB/SG09	SG9-5, P4330cc	04/10/2013	N	5	5	<33000	<31000	<26000	**3,700,000**	--	<31000	<27000	--	--	<31000	<55000	<22000
SAIA-SB/SG09	SG9-15, P4814cc	04/10/2013	N	15	15	<33000	<31000	<26000	**1,800,000**	--	<31000	<27000	--	--	<31000	<55000	<22000
SAIA-SB/SG09	SG9-25, P5298cc	04/10/2013	N	25	25	<33000	<31000	<26000	**9,100,000**	--	<31000	<27000	--	--	<31000	<55000	<22000
SAIA-SB/SG09	SAIA-SG09-D35-E0413	04/10/2013	N	35	35	<11000	<20000	<8700	**6,100,000**	<19000	--	<18000	<45000	--	--	<36000	<15000
SAIA-SB/SG09	SG9-35, P5806cc	04/10/2013	N	35	35	<670	<620	<520	**8,400,000**	--	<630	**580**	--	--	**890**	<1100	<440
SAIA-SB/SG10	SG10-5, P4330cc	04/10/2013	N	5	5	**1,800**	<620	<520	**4,400,000**	--	<630	<550	--	--	<620	<1100	<440
SAIA-SB/SG10	SAIA-SG10-D15-E0413	04/10/2013	N	15	15	<6600	<12000	<5200	**2,200,000**	<11000	--	<11000	<27000	--	--	<22000	<8700
SAIA-SB/SG10	SG10-15, P4814cc	04/10/2013	N	15	15	<33000	<31000	<26000	**4,000,000**	--	<31000	<27000	--	--	<31000	<55000	<22000
SAIA-SB/SG10	SG10-25, P5298cc	04/10/2013	N	25	25	<33000	<31000	<26000	**2,600,000**	--	<31000	<27000	--	--	<31000	<55000	<22000
SAIA-SB/SG10	SG10-35, P5806cc	04/10/2013	N	35	35	<2700	<2500	<2100	**42,000**	--	<2500	<2200	--	--	<2500	<4400	<1800
SAIA-SB/SG11	SG11-5, P4330cc	04/16/2013	N	5	5	<27	<25	<21	**200**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG11	SG11-15, P4814cc	04/16/2013	N	15	15	<27	<25	<21	**74**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG11	SAIA-SG11-D25-E0413	04/16/2013	N	25	25	<50	<100	<40	**900**	<90	--	<90	<200	--	--	<200	<70
SAIA-SB/SG11	SG11-25, P5298cc	04/16/2013	N	25	25	<27	<25	<21	**590**	--	<25	<22	--	--	<25	<44	<18

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)												
						Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)
SAIA-SB/SG06	SG6-25, 1PV, P530cc	04/08/2013	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG06	SG6-25, 3PV, P1590cc	04/08/2013	N	25	25	<27	<28	**53**	**71**	**120 J**	**83**	--	**64**	**78**	**110**	**1,900**	--	**3,200**
SAIA-SB/SG06	SAIA-SG06-D35-E0413	04/09/2013	N	35	35	--	--	--	<80	--	--	<80	--	**100 J**	<70	--	<90	**15,000**
SAIA-SB/SG06	SG6-35, 10PV, P5806cc	04/09/2013	N	35	35	<27	<28	<25	**25**	**80**	**83**	--	<28	<34	**20**	**2,400**	--	**33,000**
SAIA-SB/SG06	SG6-35, 1PV, P581cc	04/09/2013	N	35	35	**78**	<28	<25	**29**	**130**	**110**	--	<28	<34	**31**	**2,700**	--	**28,000**
SAIA-SB/SG06	SG6-35, 3PV, P1742cc	04/09/2013	N	35	35	**46**	<28	<25	<22	**51**	**74**	--	<28	<34	**24**	**2,000**	--	**21,000**
SAIA-SB/SG07	SG7-5 Rep, P4380cc	04/15/2013	FD	5	5	<1300	<1400	<1200	<1100	<1400	<1400	--	<1400	<1700	<950	<2000	--	**18,000**
SAIA-SB/SG07	SG7-5, P4330cc	04/15/2013	N	5	5	<1300	<1400	<1200	<1100	<1400	<1400	--	<1400	<1700	<950	<2000	--	**12,000**
SAIA-SB/SG07	SG7-15, P4814cc	04/16/2013	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	**23**	<40	--	**6,100**
SAIA-SB/SG07	SG7-25, P5298cc	04/16/2013	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**90**	**27**	**630**	--	**120,000**
SAIA-SB/SG07	SG7-35, P5806cc	04/16/2013	N	35	35	<660	<700	<620	<550	<700	<700	--	<700	<860	<480	**7,300**	--	**340,000**
SAIA-SB/SG08	SAIA-SG08-D05-E0413	04/15/2013	N	5	5	--	--	--	<4900	--	--	<4800	--	<7600	<4200	--	<5100	<6000
SAIA-SB/SG08	SG8-5, P4330cc	04/15/2013	N	5	5	<13000	<14000	<12000	<11000	<14000	<14000	--	<14000	<17000	<9500	<20000	--	<14000
SAIA-SB/SG08	SG8-15, P4814cc	04/15/2013	N	15	15	<13000	<14000	<12000	<11000	<14000	<14000	--	<14000	<17000	<9500	<20000	--	**880,000**
SAIA-SB/SG08	SG8-25, P5298cc	04/15/2013	N	25	25	<17000	<17000	<16000	<14000	<17000	<17000	--	<17000	<22000	<12000	<25000	--	**85,000**
SAIA-SB/SG08	SG8-35, P5806cc	04/15/2013	N	35	35	<27000	<28000	<25000	<22000	<28000	<28000	--	<28000	<34000	<19000	**65,000**	--	**770,000**
SAIA-SB/SG09	SG9-5, P4330cc	04/10/2013	N	5	5	<33000	<35000	<31000	<27000	<35000	<35000	--	<35000	<43000	<24000	<50000	--	**5,800,000**
SAIA-SB/SG09	SG9-15, P4814cc	04/10/2013	N	15	15	<33000	<35000	<31000	<27000	<35000	<35000	--	<35000	<43000	<24000	<50000	--	**3,200,000**
SAIA-SB/SG09	SG9-25, P5298cc	04/10/2013	N	25	25	<33000	**45,000**	<31000	<27000	<35000	<35000	--	<35000	<43000	<24000	**63,000**	--	**3,000,000**
SAIA-SB/SG09	SAIA-SG09-D35-E0413	04/10/2013	N	35	35	--	--	--	<18000	--	--	<18000	--	<28000	<16000	--	<19000	**2,900,000**
SAIA-SB/SG09	SG9-35, P5806cc	04/10/2013	N	35	35	<660	**1,900**	**650**	<550	**780**	**1,000**	--	<700	**5,200**	**990**	**29,000**	--	**6,600,000**
SAIA-SB/SG10	SG10-5, P4330cc	04/10/2013	N	5	5	<660	<700	<620	**640**	<700	<700	--	<700	**1,100**	**1,500**	**52,000**	--	**63,000**
SAIA-SB/SG10	SAIA-SG10-D15-E0413	04/10/2013	N	15	15	--	--	--	<11000	--	--	<11000	--	<17000	<9400	--	<11000	**11,000 J**
SAIA-SB/SG10	SG10-15, P4814cc	04/10/2013	N	15	15	<33000	<35000	<31000	<27000	<35000	<35000	--	<35000	<43000	<24000	<50000	--	<34000
SAIA-SB/SG10	SG10-25, P5298cc	04/10/2013	N	25	25	<33000	<35000	<31000	<27000	<35000	<35000	--	<35000	<43000	<24000	<50000	--	<34000
SAIA-SB/SG10	SG10-35, P5806cc	04/10/2013	N	35	35	<2700	<2800	<2500	<2200	<2800	<2800	--	<2800	<3400	<1900	<4000	--	**16,000**
SAIA-SB/SG11	SG11-5, P4330cc	04/16/2013	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**170**
SAIA-SB/SG11	SG11-15, P4814cc	04/16/2013	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**53**
SAIA-SB/SG11	SAIA-SG11-D25-E0413	04/16/2013	N	25	25	--	--	--	<90	--	--	<90	--	**100 J**	<80	--	<90	**700**
SAIA-SB/SG11	SG11-25, P5298cc	04/16/2013	N	25	25	<27	<28	<25	<22	**70**	<28	--	<28	**130**	**26**	<40	--	**830**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)	
						Trichlorofluoromethane	Vinyl Chloride
SAIA-SB/SG06	SG6-25, 1PV, P530cc	04/08/2013	N	25	25	<28	<13
SAIA-SB/SG06	SG6-25, 3PV, P1590cc	04/08/2013	N	25	25	<28	**120,000**
SAIA-SB/SG06	SAIA-SG06-D35-E0413	04/09/2013	N	35	35	<100	**5,000**
SAIA-SB/SG06	SG6-35, 10PV, P5806cc	04/09/2013	N	35	35	<28	**7,300**
SAIA-SB/SG06	SG6-35, 1PV, P581cc	04/09/2013	N	35	35	<28	**8,900**
SAIA-SB/SG06	SG6-35, 3PV, P1742cc	04/09/2013	N	35	35	<28	**4,900**
SAIA-SB/SG07	SG7-5 Rep, P4380cc	04/15/2013	FD	5	5	<1400	<650
SAIA-SB/SG07	SG7-5, P4330cc	04/15/2013	N	5	5	<1400	<650
SAIA-SB/SG07	SG7-15, P4814cc	04/16/2013	N	15	15	<28	<13
SAIA-SB/SG07	SG7-25, P5298cc	04/16/2013	N	25	25	<28	**130**
SAIA-SB/SG07	SG7-35, P5806cc	04/16/2013	N	35	35	<710	**6,800**
SAIA-SB/SG08	SAIA-SG08-D05-E0413	04/15/2013	N	5	5	<6300	**530,000**
SAIA-SB/SG08	SG8-5, P4330cc	04/15/2013	N	5	5	<14000	**450,000**
SAIA-SB/SG08	SG8-15, P4814cc	04/15/2013	N	15	15	<14000	**480,000**
SAIA-SB/SG08	SG8-25, P5298cc	04/15/2013	N	25	25	<18000	**400,000**
SAIA-SB/SG08	SG8-35, P5806cc	04/15/2013	N	35	35	<28000	**200,000**
SAIA-SB/SG09	SG9-5, P4330cc	04/10/2013	N	5	5	<35000	**93,000**
SAIA-SB/SG09	SG9-15, P4814cc	04/10/2013	N	15	15	<35000	**51,000**
SAIA-SB/SG09	SG9-25, P5298cc	04/10/2013	N	25	25	<35000	**200,000**
SAIA-SB/SG09	SAIA-SG09-D35-E0413	04/10/2013	N	35	35	<24000	**180,000**
SAIA-SB/SG09	SG9-35, P5806cc	04/10/2013	N	35	35	<710	**300,000**
SAIA-SB/SG10	SG10-5, P4330cc	04/10/2013	N	5	5	<710	**520,000**
SAIA-SB/SG10	SAIA-SG10-D15-E0413	04/10/2013	N	15	15	<14000	**1,700,000**
SAIA-SB/SG10	SG10-15, P4814cc	04/10/2013	N	15	15	<35000	**1,900,000**
SAIA-SB/SG10	SG10-25, P5298cc	04/10/2013	N	25	25	<35000	**6,100,000**
SAIA-SB/SG10	SG10-35, P5806cc	04/10/2013	N	35	35	<2800	**9,100**
SAIA-SB/SG11	SG11-5, P4330cc	04/16/2013	N	5	5	<28	<13
SAIA-SB/SG11	SG11-15, P4814cc	04/16/2013	N	15	15	<28	<13
SAIA-SB/SG11	SAIA-SG11-D25-E0413	04/16/2013	N	25	25	<100	**30 J**
SAIA-SB/SG11	SG11-25, P5298cc	04/16/2013	N	25	25	<28	**21**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/m3)											
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
SAIA-SB/SG11	SG11-35, P5806cc	04/16/2013	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG12	SG12-5, P4330cc	04/11/2013	N	5	5	<4400	<3400	<4400	<4800	<3400	<5100	<2500	<3400	<4700	<3100	--	--
SAIA-SB/SG12	SG12-15, P4814cc	04/12/2013	N	15	15	<35	<28	<35	<39	<28	**130**	<20	<27	<38	**80**	--	--
SAIA-SB/SG12	SG12-25, P5298cc	04/12/2013	N	25	25	<35	<28	<35	<39	<28	**160**	**190**	<27	<38	**110**	--	--
SAIA-SB/SG12	SG12-35, P5806cc	04/12/2013	N	35	35	<35	<28	<35	<39	<28	**110**	<20	<27	<38	**110**	--	--
SAIA-SB/SG13	SG13-5, P4330cc	04/09/2013	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG13	SG13-15, P4814cc	04/09/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG13	SG13-25, P5298cc	04/09/2013	N	25	25	<35	<28	<35	<39	<28	<41	<20	**190**	<38	<25	--	--
SAIA-SB/SG13	SG13-35, P5806cc	04/09/2013	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG14	SG14-5, P4330cc	04/09/2013	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG14	SG14-15 Rep, P4864cc	04/09/2013	FD	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG14	SG14-15, P4814cc	04/09/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG14	SAIA-SG14-D25-E0413	04/09/2013	N	25	25	--	<20	<20	<30	<20	<10	<10	--	<30	**50**	<30	<20
SAIA-SB/SG14	SG14-25, P5298cc	04/09/2013	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	**54**	--	--
SAIA-SB/SG14	SG14-35, P5806cc	04/09/2013	N	35	35	<35	<28	<35	<39	<28	<41	**44**	<27	<38	<25	--	--
SAIA-SB/SG15	SG15-5, P4330cc	04/15/2013	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG15	SG15-15, P4814cc	04/15/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG15	SG15-25, P5298cc	04/15/2013	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG15	SG15-35, P5806cc	04/15/2013	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG16	SG16-5 Rep, P4380cc	04/12/2013	FD	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG16	SG16-5, P4330cc	04/12/2013	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG16	SG16-15, P4814cc	04/12/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG16	SG16-25, P5298cc	04/15/2013	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG16	SG16-35, P5806cc	04/15/2013	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG17	SG17-5, P4330cc	04/12/2013	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG17	SG17-15, P4814cc	04/12/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG17	SG17-25, P5298cc	04/12/2013	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG17	SG17-35, P5806cc	04/12/2013	N	35	35	<35	<28	<35	<39	<28	**130**	<20	<27	<38	<25	--	--
SAIA-SB/SG18	SG18-5, P4330cc	04/16/2013	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG18	SG18-15, P4814cc	04/16/2013	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						1,2-Dichloroethane	1,2-Dichloropropane	1,2-Dichlorotetrafluoroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	Benzene	Bromodichloromethane	Bromomethane	Carbon Tetrachloride	Chlorobenzene
SAIA-SB/SG11	SG11-35, P5806cc	04/16/2013	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG12	SG12-5, P4330cc	04/11/2013	N	5	5	<2600	--	--	<3100	--	<3800	<4600	<2000	<4300	<4900	<1600	--
SAIA-SB/SG12	SG12-15, P4814cc	04/12/2013	N	15	15	<21	--	--	**32**	--	<30	<36	**57**	<34	<39	<13	--
SAIA-SB/SG12	SG12-25, P5298cc	04/12/2013	N	25	25	<21	--	--	**29**	--	<30	<36	**96**	<34	<39	<13	--
SAIA-SB/SG12	SG12-35, P5806cc	04/12/2013	N	35	35	<21	--	--	**31**	--	<30	<36	**46**	<34	<39	<13	--
SAIA-SB/SG13	SG13-5, P4330cc	04/09/2013	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG13	SG13-15, P4814cc	04/09/2013	N	15	15	<21	--	--	<25	--	<30	<36	**44**	<34	<39	<13	--
SAIA-SB/SG13	SG13-25, P5298cc	04/09/2013	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG13	SG13-35, P5806cc	04/09/2013	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG14	SG14-5, P4330cc	04/09/2013	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG14	SG14-15 Rep, P4864cc	04/09/2013	FD	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG14	SG14-15, P4814cc	04/09/2013	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG14	SAIA-SG14-D25-E0413	04/09/2013	N	25	25	<10	<20	<20	**10 J**	<20	<20	--	**20**	--	<10	<20	<20
SAIA-SB/SG14	SG14-25, P5298cc	04/09/2013	N	25	25	<21	--	--	**25**	--	<30	<36	**31**	<34	<39	<13	--
SAIA-SB/SG14	SG14-35, P5806cc	04/09/2013	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG15	SG15-5, P4330cc	04/15/2013	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG15	SG15-15, P4814cc	04/15/2013	N	15	15	<21	--	--	<25	--	<30	<36	**110**	<34	<39	<13	--
SAIA-SB/SG15	SG15-25, P5298cc	04/15/2013	N	25	25	<21	--	--	<25	--	<30	<36	**23**	<34	<39	<13	--
SAIA-SB/SG15	SG15-35, P5806cc	04/15/2013	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG16	SG16-5 Rep, P4380cc	04/12/2013	FD	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG16	SG16-5, P4330cc	04/12/2013	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG16	SG16-15, P4814cc	04/12/2013	N	15	15	<21	--	--	<25	--	<30	<36	**29**	<34	<39	<13	--
SAIA-SB/SG16	SG16-25, P5298cc	04/15/2013	N	25	25	<21	--	--	<25	--	<30	<36	**72**	<34	<39	<13	--
SAIA-SB/SG16	SG16-35, P5806cc	04/15/2013	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG17	SG17-5, P4330cc	04/12/2013	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG17	SG17-15, P4814cc	04/12/2013	N	15	15	<21	--	--	<25	--	<30	<36	**38**	<34	<39	<13	--
SAIA-SB/SG17	SG17-25, P5298cc	04/12/2013	N	25	25	<21	--	--	<25	--	<30	<36	**100**	<34	<39	<13	--
SAIA-SB/SG17	SG17-35, P5806cc	04/12/2013	N	35	35	<21	--	--	<25	--	<30	<36	**36**	<34	<39	<13	--
SAIA-SB/SG18	SG18-5, P4330cc	04/16/2013	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG18	SG18-15, P4814cc	04/16/2013	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropanol	Isopropylbenzene (Cumene)	m,p-Xylene	Methylene Chloride
SAIA-SB/SG11	SG11-35, P5806cc	04/16/2013	N	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG12	SG12-5, P4330cc	04/11/2013	N	5	5	<3300	<3100	<2600	**15,000**	--	<3100	<2700	--	--	<3100	<5500	<2200
SAIA-SB/SG12	SG12-15, P4814cc	04/12/2013	N	15	15	<27	<25	<21	**5,200**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG12	SG12-25, P5298cc	04/12/2013	N	25	25	<27	<25	<21	**6,600**	--	<25	<22	--	--	<25	**45**	<18
SAIA-SB/SG12	SG12-35, P5806cc	04/12/2013	N	35	35	<27	<25	<21	**5,200**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG13	SG13-5, P4330cc	04/09/2013	N	5	5	<27	<25	<21	**180**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG13	SG13-15, P4814cc	04/09/2013	N	15	15	<27	<25	<21	**160**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG13	SG13-25, P5298cc	04/09/2013	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG13	SG13-35, P5806cc	04/09/2013	N	35	35	<27	<25	<21	**72**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG14	SG14-5, P4330cc	04/09/2013	N	5	5	<27	<25	<21	<40	--	**30**	<22	--	--	<25	<44	<18
SAIA-SB/SG14	SG14-15 Rep, P4864cc	04/09/2013	FD	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG14	SG14-15, P4814cc	04/09/2013	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG14	SAIA-SG14-D25-E0413	04/09/2013	N	25	25	<9	<20	<7	**100**	<20	--	**20**	<40	--	--	**40**	<10
SAIA-SB/SG14	SG14-25, P5298cc	04/09/2013	N	25	25	<27	<25	<21	**230**	--	**200**	**24**	--	--	<25	**54**	<18
SAIA-SB/SG14	SG14-35, P5806cc	04/09/2013	N	35	35	<27	<25	<21	**150**	--	**150**	<22	--	--	<25	<44	<18
SAIA-SB/SG15	SG15-5, P4330cc	04/15/2013	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG15	SG15-15, P4814cc	04/15/2013	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG15	SG15-25, P5298cc	04/15/2013	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG15	SG15-35, P5806cc	04/15/2013	N	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG16	SG16-5 Rep, P4380cc	04/12/2013	FD	5	5	<27	<25	<21	**66**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG16	SG16-5, P4330cc	04/12/2013	N	5	5	<27	<25	<21	**120**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG16	SG16-15, P4814cc	04/12/2013	N	15	15	<27	<25	<21	**55**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG16	SG16-25, P5298cc	04/15/2013	N	25	25	<27	<25	<21	**870**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG16	SG16-35, P5806cc	04/15/2013	N	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG17	SG17-5, P4330cc	04/12/2013	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG17	SG17-15, P4814cc	04/12/2013	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG17	SG17-25, P5298cc	04/12/2013	N	25	25	<27	<25	<21	**270**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG17	SG17-35, P5806cc	04/12/2013	N	35	35	<27	<25	<21	**3,000**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG18	SG18-5, P4330cc	04/16/2013	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG18	SG18-15, P4814cc	04/16/2013	N	15	15	<27	<25	<21	**82**	--	<25	<22	--	--	<25	<44	<18

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)												
						Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)
SAIA-SB/SG11	SG11-35, P5806cc	04/16/2013	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG12	SG12-5, P4330cc	04/11/2013	N	5	5	<3300	<3500	<3100	<2700	<3500	<3500	--	<3500	<4300	<2400	<5000	--	**22,000**
SAIA-SB/SG12	SG12-15, P4814cc	04/12/2013	N	15	15	<27	**32**	<25	<22	**36**	<28	--	<28	**81**	<19	**46**	--	**8,900**
SAIA-SB/SG12	SG12-25, P5298cc	04/12/2013	N	25	25	<27	<28	<25	**32**	<28	<28	--	<28	**120**	**34**	**91**	--	**15,000**
SAIA-SB/SG12	SG12-35, P5806cc	04/12/2013	N	35	35	<27	<28	<25	<22	**44**	<28	--	<28	**80**	**23**	<40	--	**9,900**
SAIA-SB/SG13	SG13-5, P4330cc	04/09/2013	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**2,900**	<19	<40	--	**61**
SAIA-SB/SG13	SG13-15, P4814cc	04/09/2013	N	15	15	<27	<28	<25	<22	**170**	<28	--	<28	**3,600**	**94**	<40	--	**110**
SAIA-SB/SG13	SG13-25, P5298cc	04/09/2013	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**61**	<19	<40	--	**43**
SAIA-SB/SG13	SG13-35, P5806cc	04/09/2013	N	35	35	<27	<28	<25	<22	**65**	<28	--	<28	**550**	<19	<40	--	**290**
SAIA-SB/SG14	SG14-5, P4330cc	04/09/2013	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**46**	<19	<40	--	**110**
SAIA-SB/SG14	SG14-15 Rep, P4864cc	04/09/2013	FD	15	15	<27	<28	<25	<22	**30**	<28	--	<28	<34	**34**	<40	--	**35**
SAIA-SB/SG14	SG14-15, P4814cc	04/09/2013	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG14	SAIA-SG14-D25-E0413	04/09/2013	N	25	25	--	--	--	**10 J**	--	--	**10 J**	--	**80**	**60**	--	<20	**200**
SAIA-SB/SG14	SG14-25, P5298cc	04/09/2013	N	25	25	<27	<28	<25	**23**	**70**	<28	--	<28	**140**	**91**	<40	--	**480**
SAIA-SB/SG14	SG14-35, P5806cc	04/09/2013	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**570**
SAIA-SB/SG15	SG15-5, P4330cc	04/15/2013	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**750**	<19	<40	--	<27
SAIA-SB/SG15	SG15-15, P4814cc	04/15/2013	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**810**	**40**	<40	--	**32**
SAIA-SB/SG15	SG15-25, P5298cc	04/15/2013	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**1,600**	<19	<40	--	**460**
SAIA-SB/SG15	SG15-35, P5806cc	04/15/2013	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**1,200**	<19	<40	--	**580**
SAIA-SB/SG16	SG16-5 Rep, P4380cc	04/12/2013	FD	5	5	<27	<28	<25	<22	<28	<28	--	<28	**390**	<19	<40	--	**49**
SAIA-SB/SG16	SG16-5, P4330cc	04/12/2013	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**280**	<19	<40	--	**110**
SAIA-SB/SG16	SG16-15, P4814cc	04/12/2013	N	15	15	<27	<28	<25	<22	**38**	<28	--	<28	**820**	**35**	<40	--	**72**
SAIA-SB/SG16	SG16-25, P5298cc	04/15/2013	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**1,100**	<19	<40	--	**880**
SAIA-SB/SG16	SG16-35, P5806cc	04/15/2013	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**610**	<19	<40	--	**170**
SAIA-SB/SG17	SG17-5, P4330cc	04/12/2013	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**190**	**27**	<40	--	**82**
SAIA-SB/SG17	SG17-15, P4814cc	04/12/2013	N	15	15	<27	<28	<25	<22	**35**	<28	--	<28	**210**	**44**	<40	--	**39**
SAIA-SB/SG17	SG17-25, P5298cc	04/12/2013	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**1,400**	**53**	<40	--	**1,700**
SAIA-SB/SG17	SG17-35, P5806cc	04/12/2013	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**480**	**19**	**69**	--	**6,800**
SAIA-SB/SG18	SG18-5, P4330cc	04/16/2013	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**65**
SAIA-SB/SG18	SG18-15, P4814cc	04/16/2013	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**200**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)	
						Trichlorofluoromethane	Vinyl Chloride
SAIA-SB/SG11	SG11-35, P5806cc	04/16/2013	N	35	35	<28	<13
SAIA-SB/SG12	SG12-5, P4330cc	04/11/2013	N	5	5	<3500	<1600
SAIA-SB/SG12	SG12-15, P4814cc	04/12/2013	N	15	15	<28	<13
SAIA-SB/SG12	SG12-25, P5298cc	04/12/2013	N	25	25	<28	**66**
SAIA-SB/SG12	SG12-35, P5806cc	04/12/2013	N	35	35	<28	<13
SAIA-SB/SG13	SG13-5, P4330cc	04/09/2013	N	5	5	<28	**53**
SAIA-SB/SG13	SG13-15, P4814cc	04/09/2013	N	15	15	<28	**35**
SAIA-SB/SG13	SG13-25, P5298cc	04/09/2013	N	25	25	<28	<13
SAIA-SB/SG13	SG13-35, P5806cc	04/09/2013	N	35	35	<28	<13
SAIA-SB/SG14	SG14-5, P4330cc	04/09/2013	N	5	5	<28	<13
SAIA-SB/SG14	SG14-15 Rep, P4864cc	04/09/2013	FD	15	15	<28	<13
SAIA-SB/SG14	SG14-15, P4814cc	04/09/2013	N	15	15	<28	<13
SAIA-SB/SG14	SAIA-SG14-D25-E0413	04/09/2013	N	25	25	<20	**10**
SAIA-SB/SG14	SG14-25, P5298cc	04/09/2013	N	25	25	<28	**18**
SAIA-SB/SG14	SG14-35, P5806cc	04/09/2013	N	35	35	<28	<13
SAIA-SB/SG15	SG15-5, P4330cc	04/15/2013	N	5	5	<28	<13
SAIA-SB/SG15	SG15-15, P4814cc	04/15/2013	N	15	15	<28	<13
SAIA-SB/SG15	SG15-25, P5298cc	04/15/2013	N	25	25	<28	<13
SAIA-SB/SG15	SG15-35, P5806cc	04/15/2013	N	35	35	<28	<13
SAIA-SB/SG16	SG16-5 Rep, P4380cc	04/12/2013	FD	5	5	<28	<13
SAIA-SB/SG16	SG16-5, P4330cc	04/12/2013	N	5	5	<28	<13
SAIA-SB/SG16	SG16-15, P4814cc	04/12/2013	N	15	15	<28	<13
SAIA-SB/SG16	SG16-25, P5298cc	04/15/2013	N	25	25	<28	<13
SAIA-SB/SG16	SG16-35, P5806cc	04/15/2013	N	35	35	<28	<13
SAIA-SB/SG17	SG17-5, P4330cc	04/12/2013	N	5	5	<28	<13
SAIA-SB/SG17	SG17-15, P4814cc	04/12/2013	N	15	15	<28	<13
SAIA-SB/SG17	SG17-25, P5298cc	04/12/2013	N	25	25	<28	<13
SAIA-SB/SG17	SG17-35, P5806cc	04/12/2013	N	35	35	<28	**27**
SAIA-SB/SG18	SG18-5, P4330cc	04/16/2013	N	5	5	<28	<13
SAIA-SB/SG18	SG18-15, P4814cc	04/16/2013	N	15	15	<28	<13

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/m3)											
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
SAIA-SB/SG18	SG18-25, P5298cc	04/16/2013	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG18	SG18-35, P5806cc	04/17/2013	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG19	SAIA-SB/SG-19-5, P816cc	04/29/2014	N	5	5	<35	**2,400**	<35	<39	<28	**2,000**	<20	<27	<38	<25	--	--
SAIA-SB/SG19	SAIA-SB/SG-19-15, P913cc	04/29/2014	N	15	15	<35	**64**	<35	<39	<28	**1,700**	**85**	<27	<38	<25	--	--
SAIA-SB/SG19	SAIA-SB/SG-19-25, P530cc	04/29/2014	N	25	25	<35	**150**	<35	<39	<28	**18,000**	**660**	<27	<38	**91**	--	--
SAIA-SB/SG19	SAIA-SB/SG-19-35, P578cc	04/29/2014	N	35	35	<35	**38**	<35	<39	<28	**820**	**700**	<27	<38	<25	--	--
SAIA-SB/SG20	SAIA-SB/SG-20-5, P816cc	04/30/2014	N	5	5	<35	**76**	<35	<39	<28	**22,000**	**710**	<27	<38	**260**	--	--
SAIA-SB/SG20	SAIA-SB/SG-20-15, P913cc	04/30/2014	N	15	15	<35	<28	<35	<39	<28	**20,000**	**9,400**	<27	<38	**180**	--	--
SAIA-SB/SG20	SAIA-SB/SG-20-25, P530cc	04/30/2014	N	25	25	<35	<28	<35	<39	<28	**5,900**	**55,000**	<27	<38	**280**	--	--
SAIA-SB/SG20	SAIA-SB/SG-20-35, P578cc	05/01/2014	N	35	35	<35	<28	<35	<39	<28	**62,000**	**20,000**	<27	<38	**38**	--	--
SAIA-SB/SG20	SAIA-SG20-E35	05/01/2014	N	35	35	--	<22000	<28000	<31000	<22000	**32,000**	**11,000 J**	--	<30000	<20000	<31000	<25000
SAIA-SB/SG21	SAIA-SB/SG-21-5, P816cc	04/30/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG21	SAIA-SB/SG-21-15, P913cc	04/30/2014	N	15	15	<35	<28	<35	<39	<28	**510**	<20	<27	<38	<25	--	--
SAIA-SB/SG21	SAIA-SB/SG-21-25, P530cc	04/30/2014	N	25	25	<35	<28	<35	<39	<28	**2,200**	**1,100**	<27	<38	<25	--	--
SAIA-SB/SG21	SAIA-SB/SG-21-35, P578cc	04/30/2014	N	35	35	<35	<28	<35	<39	<28	**930**	**1,700**	<27	<38	<25	--	--
SAIA-SB/SG22	P866cc	04/29/2014	FD	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	**43**	--	--
SAIA-SB/SG22	SAIA-SB/SG-22-5, P816cc	04/29/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	**69**	--	--
SAIA-SB/SG22	SAIA-SB/SG-22-15, P913cc	04/29/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG22	SAIA-SB/SG-22-25, P530cc	04/29/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	**78**	--	--
SAIA-SB/SG22	SAIA-SG22-E25	04/29/2014	N	25	25	--	<20	<20	<20	<20	<10	**7 J**	--	<20	**70**	<20	<20
SAIA-SB/SG22	P628cc	04/30/2014	FD	35	35	<35	<28	<35	<39	<28	<41	**40**	<27	<38	<25	--	--
SAIA-SB/SG22	SAIA-SB/SG-22-35, P578cc	04/30/2014	N	35	35	<35	<28	<35	<39	<28	<41	**26**	<27	<38	<25	--	--
SAIA-SB/SG23	P4330cc	04/21/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P433cc	04/21/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P1299cc	04/21/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P481cc	04/21/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P1444cc	04/21/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P4814cc	04/21/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P530cc	04/21/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						1,2-Dichloroethane	1,2-Dichloropropane	1,2-Dichlorotetrafluoroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	Benzene	Bromodichloromethane	Bromomethane	Carbon Tetrachloride	Chlorobenzene
SAIA-SB/SG18	SG18-25, P5298cc	04/16/2013	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG18	SG18-35, P5806cc	04/17/2013	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG19	SAIA-SB/SG-19-5, P816cc	04/29/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG19	SAIA-SB/SG-19-15, P913cc	04/29/2014	N	15	15	<21	--	--	**43**	--	<30	<36	**350**	<34	<39	<13	--
SAIA-SB/SG19	SAIA-SB/SG-19-25, P530cc	04/29/2014	N	25	25	**110**	--	--	**200**	--	<30	<36	**600**	<34	<39	<13	--
SAIA-SB/SG19	SAIA-SB/SG-19-35, P578cc	04/29/2014	N	35	35	<21	--	--	<25	--	<30	<36	**98**	<34	<39	<13	--
SAIA-SB/SG20	SAIA-SB/SG-20-5, P816cc	04/30/2014	N	5	5	**72**	--	--	**39**	--	<30	<36	**340**	<34	<39	<13	--
SAIA-SB/SG20	SAIA-SB/SG-20-15, P913cc	04/30/2014	N	15	15	**440**	--	--	**32**	--	<30	<36	**910**	<34	<39	<13	--
SAIA-SB/SG20	SAIA-SB/SG-20-25, P530cc	04/30/2014	N	25	25	<21	--	--	**35**	--	<30	<36	**430**	<34	<39	<13	--
SAIA-SB/SG20	SAIA-SB/SG-20-35, P578cc	05/01/2014	N	35	35	**230**	--	--	**91**	--	<30	<36	**310**	<34	<39	<13	--
SAIA-SB/SG20	SAIA-SG20-E35	05/01/2014	N	35	35	<17000	<19000	<28000	<20000	<25000	<25000	--	<13000	--	<16000	<26000	<19000
SAIA-SB/SG21	SAIA-SB/SG-21-5, P816cc	04/30/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG21	SAIA-SB/SG-21-15, P913cc	04/30/2014	N	15	15	<21	--	--	<25	--	<30	<36	**40**	<34	<39	<13	--
SAIA-SB/SG21	SAIA-SB/SG-21-25, P530cc	04/30/2014	N	25	25	<21	--	--	<25	--	<30	<36	**120**	<34	<39	<13	--
SAIA-SB/SG21	SAIA-SB/SG-21-35, P578cc	04/30/2014	N	35	35	<21	--	--	<25	--	<30	<36	**59**	<34	<39	<13	--
SAIA-SB/SG22	P866cc	04/29/2014	FD	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG22	SAIA-SB/SG-22-5, P816cc	04/29/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG22	SAIA-SB/SG-22-15, P913cc	04/29/2014	N	15	15	<21	--	--	<25	--	<30	<36	**25**	<34	<39	<13	--
SAIA-SB/SG22	SAIA-SB/SG-22-25, P530cc	04/29/2014	N	25	25	<21	--	--	<25	--	<30	<36	**120**	<34	<39	<13	--
SAIA-SB/SG22	SAIA-SG22-E25	04/29/2014	N	25	25	<10	<10	<20	**8 J**	<20	<20	--	**200**	--	<10	<20	<10
SAIA-SB/SG22	P628cc	04/30/2014	FD	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG22	SAIA-SB/SG-22-35, P578cc	04/30/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG23	P4330cc	04/21/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG23	P433cc	04/21/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG23	P1299cc	04/21/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG23	P481cc	04/21/2014	N	15	15	<21	--	--	<25	--	<30	<36	**25**	<34	<39	<13	--
SAIA-SB/SG23	P1444cc	04/21/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG23	P4814cc	04/21/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG23	P530cc	04/21/2014	N	25	25	<21	--	--	<25	--	<30	<36	**47**	<34	<39	<13	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropanol	Isopropylbenzene (Cumene)	m,p-Xylene	Methylene Chloride
SAIA-SB/SG18	SG18-25, P5298cc	04/16/2013	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG18	SG18-35, P5806cc	04/17/2013	N	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG19	SAIA-SB/SG-19-5, P816cc	04/29/2014	N	5	5	<27	**85**	<21	**17,000**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG19	SAIA-SB/SG-19-15, P913cc	04/29/2014	N	15	15	<27	<25	<21	**5,300**	--	<25	**100**	--	--	**43**	<44	<18
SAIA-SB/SG19	SAIA-SB/SG-19-25, P530cc	04/29/2014	N	25	25	**440**	<25	<21	**22,000**	--	<25	**270**	--	--	**200**	**290**	<18
SAIA-SB/SG19	SAIA-SB/SG-19-35, P578cc	04/29/2014	N	35	35	<27	<25	<21	**6,800**	--	<25	**70**	--	--	<25	**63**	<18
SAIA-SB/SG20	SAIA-SB/SG-20-5, P816cc	04/30/2014	N	5	5	**650**	<25	<21	**610,000 J**	--	<25	**150**	--	--	**39**	**390**	<18
SAIA-SB/SG20	SAIA-SB/SG-20-15, P913cc	04/30/2014	N	15	15	**8,800**	<25	<21	**3,000,000 J**	--	<25	<22	--	--	**32**	**240**	<18
SAIA-SB/SG20	SAIA-SB/SG-20-25, P530cc	04/30/2014	N	25	25	**19,000**	<25	<21	**23,000,000 J**	--	<25	**94**	--	--	**35**	**290**	<18
SAIA-SB/SG20	SAIA-SB/SG-20-35, P578cc	05/01/2014	N	35	35	**730**	<25	<21	**5,200,000**	--	<25	**110**	--	--	**90**	**91**	<18
SAIA-SB/SG20	SAIA-SG20-E35	05/01/2014	N	35	35	<11000	<20000	<8400	**4,700,000**	<19000	--	<18000	<43000	--	--	<35000	<14000
SAIA-SB/SG21	SAIA-SB/SG-21-5, P816cc	04/30/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG21	SAIA-SB/SG-21-15, P913cc	04/30/2014	N	15	15	<27	<25	<21	**32,000 J**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG21	SAIA-SB/SG-21-25, P530cc	04/30/2014	N	25	25	<27	<25	<21	**50,000 J**	--	<25	<22	--	--	<25	**96**	<18
SAIA-SB/SG21	SAIA-SB/SG-21-35, P578cc	04/30/2014	N	35	35	<27	<25	<21	**52,000 J**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG22	P866cc	04/29/2014	FD	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG22	SAIA-SB/SG-22-5, P816cc	04/29/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG22	SAIA-SB/SG-22-15, P913cc	04/29/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG22	SAIA-SB/SG-22-25, P530cc	04/29/2014	N	25	25	<27	<25	<21	**120**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG22	SAIA-SG22-E25	04/29/2014	N	25	25	<7	<10	<6	**200**	<10	--	**10 J**	<30	--	--	**30**	<10
SAIA-SB/SG22	P628cc	04/30/2014	FD	35	35	<27	<25	<21	**210 J**	--	**51**	<22	--	--	<25	<44	<18
SAIA-SB/SG22	SAIA-SB/SG-22-35, P578cc	04/30/2014	N	35	35	<27	<25	<21	**190 J**	--	**47**	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P4330cc	04/21/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P433cc	04/21/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P1299cc	04/21/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P481cc	04/21/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P1444cc	04/21/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P4814cc	04/21/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P530cc	04/21/2014	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)												
						Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)
SAIA-SB/SG18	SG18-25, P5298cc	04/16/2013	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**280**
SAIA-SB/SG18	SG18-35, P5806cc	04/17/2013	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	**25**	<40	--	<27
SAIA-SB/SG19	SAIA-SB/SG-19-5, P816cc	04/29/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**1,100**	<19	**370**	--	**30,000**
SAIA-SB/SG19	SAIA-SB/SG-19-15, P913cc	04/29/2014	N	15	15	<27	**34**	**34**	**150**	**43**	**56**	--	<28	**1,200**	**210**	**500**	--	**35,000**
SAIA-SB/SG19	SAIA-SB/SG-19-25, P530cc	04/29/2014	N	25	25	<27	**270**	**170**	**490**	**180**	**290**	--	<28	**410**	**1,900**	**6,400**	--	**230,000**
SAIA-SB/SG19	SAIA-SB/SG-19-35, P578cc	04/29/2014	N	35	35	<27	<28	<25	**38**	<28	<28	--	<28	**2,200**	**87**	**460**	--	**21,000**
SAIA-SB/SG20	SAIA-SB/SG-20-5, P816cc	04/30/2014	N	5	5	<27	**41**	**45**	<22	**69**	**34**	--	**41**	**290**	**460**	**1,700**	--	**17,000**
SAIA-SB/SG20	SAIA-SB/SG-20-15, P913cc	04/30/2014	N	15	15	<27	**37**	**36**	<22	**58**	**31**	--	<28	**440**	**740**	**19,000**	--	**7,700**
SAIA-SB/SG20	SAIA-SB/SG-20-25, P530cc	04/30/2014	N	25	25	<27	**52**	**41**	**140**	**74**	**44**	--	**38**	**140**	**240**	**90,000**	--	**270,000**
SAIA-SB/SG20	SAIA-SB/SG-20-35, P578cc	05/01/2014	N	35	35	<27	**99**	**74**	**110**	<28	**120**	--	<28	**2,000**	**360**	**93,000**	--	**4,100,000**
SAIA-SB/SG20	SAIA-SG20-E35	05/01/2014	N	35	35	--	--	--	<18000	--	--	<17000	--	<28000	<15000	--	<19000	**3,200,000**
SAIA-SB/SG21	SAIA-SB/SG-21-5, P816cc	04/30/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**93**	<19	<40	--	**160**
SAIA-SB/SG21	SAIA-SB/SG-21-15, P913cc	04/30/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**570**	**67**	**150**	--	**8,500**
SAIA-SB/SG21	SAIA-SB/SG-21-25, P530cc	04/30/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**360**	**90**	**5,400**	--	**7,000**
SAIA-SB/SG21	SAIA-SB/SG-21-35, P578cc	04/30/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**38**	<19	**4,700**	--	**21,000**
SAIA-SB/SG22	P866cc	04/29/2014	FD	5	5	<27	**59**	<25	<22	**46**	<28	--	<28	<34	<19	<40	--	**100**
SAIA-SB/SG22	SAIA-SB/SG-22-5, P816cc	04/29/2014	N	5	5	<27	**76**	<25	<22	**61**	**44**	--	<28	**35**	<19	<40	--	**86**
SAIA-SB/SG22	SAIA-SB/SG-22-15, P913cc	04/29/2014	N	15	15	<27	**45**	<25	<22	**40**	<28	--	<28	**39**	<19	<40	--	**180**
SAIA-SB/SG22	SAIA-SB/SG-22-25, P530cc	04/29/2014	N	25	25	<27	**110**	<25	<22	**97**	**43**	--	<28	**43**	**50**	<40	--	**310**
SAIA-SB/SG22	SAIA-SG22-E25	04/29/2014	N	25	25	--	--	--	**10 J**	--	--	<10	--	**60**	**40**	--	<10	**800**
SAIA-SB/SG22	P628cc	04/30/2014	FD	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	**20**	<40	--	**110**
SAIA-SB/SG22	SAIA-SB/SG-22-35, P578cc	04/30/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	**23**	<40	--	**120**
SAIA-SB/SG23	P4330cc	04/21/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**72**	<19	<40	--	**280**
SAIA-SB/SG23	P433cc	04/21/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**58**	<19	<40	--	**260**
SAIA-SB/SG23	P1299cc	04/21/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**63**	<19	<40	--	**260**
SAIA-SB/SG23	P481cc	04/21/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**100**	<19	<40	--	**420**
SAIA-SB/SG23	P1444cc	04/21/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**91**	<19	<40	--	**440**
SAIA-SB/SG23	P4814cc	04/21/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**88**	<19	<40	--	**440**
SAIA-SB/SG23	P530cc	04/21/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**69**	<19	<40	--	**900**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)	
						Trichlorofluoromethane	Vinyl Chloride
SAIA-SB/SG18	SG18-25, P5298cc	04/16/2013	N	25	25	<28	<13
SAIA-SB/SG18	SG18-35, P5806cc	04/17/2013	N	35	35	<28	<13
SAIA-SB/SG19	SAIA-SB/SG-19-5, P816cc	04/29/2014	N	5	5	<28	<13
SAIA-SB/SG19	SAIA-SB/SG-19-15, P913cc	04/29/2014	N	15	15	<28	**13,000**
SAIA-SB/SG19	SAIA-SB/SG-19-25, P530cc	04/29/2014	N	25	25	<28	**810,000**
SAIA-SB/SG19	SAIA-SB/SG-19-35, P578cc	04/29/2014	N	35	35	<28	**38,000**
SAIA-SB/SG20	SAIA-SB/SG-20-5, P816cc	04/30/2014	N	5	5	<28	**170,000**
SAIA-SB/SG20	SAIA-SB/SG-20-15, P913cc	04/30/2014	N	15	15	<28	**85,000**
SAIA-SB/SG20	SAIA-SB/SG-20-25, P530cc	04/30/2014	N	25	25	<28	**98,000**
SAIA-SB/SG20	SAIA-SB/SG-20-35, P578cc	05/01/2014	N	35	35	<28	**80,000**
SAIA-SB/SG20	SAIA-SG20-E35	05/01/2014	N	35	35	<23000	**43,000**
SAIA-SB/SG21	SAIA-SB/SG-21-5, P816cc	04/30/2014	N	5	5	<28	<13
SAIA-SB/SG21	SAIA-SB/SG-21-15, P913cc	04/30/2014	N	15	15	<28	<13
SAIA-SB/SG21	SAIA-SB/SG-21-25, P530cc	04/30/2014	N	25	25	<28	**1,600**
SAIA-SB/SG21	SAIA-SB/SG-21-35, P578cc	04/30/2014	N	35	35	<28	**4,300**
SAIA-SB/SG22	P866cc	04/29/2014	FD	5	5	<28	**32**
SAIA-SB/SG22	SAIA-SB/SG-22-5, P816cc	04/29/2014	N	5	5	<28	**64**
SAIA-SB/SG22	SAIA-SB/SG-22-15, P913cc	04/29/2014	N	15	15	<28	<13
SAIA-SB/SG22	SAIA-SB/SG-22-25, P530cc	04/29/2014	N	25	25	<28	<13
SAIA-SB/SG22	SAIA-SG22-E25	04/29/2014	N	25	25	<20	**10**
SAIA-SB/SG22	P628cc	04/30/2014	FD	35	35	<28	**73**
SAIA-SB/SG22	SAIA-SB/SG-22-35, P578cc	04/30/2014	N	35	35	<28	**90**
SAIA-SB/SG23	P4330cc	04/21/2014	N	5	5	<28	<13
SAIA-SB/SG23	P433cc	04/21/2014	N	5	5	<28	<13
SAIA-SB/SG23	P1299cc	04/21/2014	N	5	5	<28	<13
SAIA-SB/SG23	P481cc	04/21/2014	N	15	15	<28	<13
SAIA-SB/SG23	P1444cc	04/21/2014	N	15	15	<28	<13
SAIA-SB/SG23	P4814cc	04/21/2014	N	15	15	<28	<13
SAIA-SB/SG23	P530cc	04/21/2014	N	25	25	<28	<13

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/m3)											
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
SAIA-SB/SG23	P1589cc	04/21/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P5298cc	04/21/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P578cc	04/21/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P1734cc	04/21/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG23	P5782cc	04/21/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG24	SAIA-SB/SG-24-5, P816cc	04/23/2014	N	5	5	<35	**50**	<35	<39	<28	**180**	<20	<27	<38	<25	--	--
SAIA-SB/SG24	SAIA-SB/SG-24-15, P913cc	04/23/2014	N	15	15	<35	**56**	<35	<39	<28	**360**	**81**	<27	<38	<25	--	--
SAIA-SB/SG24	SAIA-SB/SG-24-25, P530cc	04/23/2014	N	25	25	<35	<28	<35	**43**	<28	<41	**110**	<27	<38	<25	--	--
SAIA-SB/SG24	SAIA-SB/SG-24-35, P578cc	04/23/2014	N	35	35	<35	**610**	<35	<39	<28	**53,000 J**	**35,000 J**	<27	<38	<25	--	--
SAIA-SB/SG24	SAIA-SG24-E35	04/23/2014	N	35	35	--	<26000	<33000	<37000	<26000	**57,000**	**38,000**	--	<35000	<23000	<37000	<29000
SAIA-SB/SG25	SAIA-SB/SG-25-5, P816cc	04/28/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG25	P963cc	04/28/2014	FD	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG25	SAIA-SB/SG-25-15, P913cc	04/28/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG25	SAIA-SB/SG-25-25, P530cc	04/28/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG25	SAIA-SB/SG-25-35, P578cc	04/28/2014	N	35	35	<35	<28	<35	<39	<28	<41	**100**	<27	<38	<25	--	--
SAIA-SB/SG26	P866cc	04/23/2014	FD	5	5	<35	<28	<35	<39	<28	<41	<20	<27	**72 J**	<25	--	--
SAIA-SB/SG26	SAIA-SB/SG-26-5, P816cc	04/23/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	**65 J**	<25	--	--
SAIA-SB/SG26	SAIA-SB/SG-26-15, P913cc	04/23/2014	N	15	15	<35	<28	<35	<39	<28	**900**	**110**	<27	<38	<25	--	--
SAIA-SB/SG26	SAIA-SB/SG-26-25, P530cc	04/24/2014	N	25	25	<35	**30**	<35	<39	<28	**4,400**	**1,100**	<27	<38	<25	--	--
SAIA-SB/SG27	SAIA-SB/SG-27-5, P816cc	04/28/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG27	SAIA-SG27-E5	04/28/2014	N	5	5	--	<100	<100	<200	<100	<80	<80	--	<200	<100	<200	<100
SAIA-SB/SG27	SAIA-SB/SG-27-15, P913cc	04/28/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG27	SAIA-SB/SG-27-25, P530cc	04/28/2014	N	25	25	<35	<28	<35	<39	<28	**220**	<20	<27	<38	<25	--	--
SAIA-SB/SG27	SAIA-SB/SG-27-35, P578cc	04/29/2014	N	35	35	<35	<28	<35	<39	<28	**58**	**99**	<27	<38	<25	--	--
SAIA-SB/SG28	SAIA-SB/SG-28-5, P816cc	04/24/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG28	P963cc	04/24/2014	FD	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG28	SAIA-SB/SG-28-15, P913cc	04/24/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG28	SAIA-SB/SG-28-35, P578cc	04/24/2014	N	35	35	<35	<28	<35	<39	**50**	**220**	**130**	<27	<38	<25	--	--
SAIA-SB/SG29	SAIA-SB/SG-29-5, P816cc	04/24/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG29	SAIA-SG29-E5	04/24/2014	N	5	5	--	<80	<100	<100	<80	<60	<60	--	<100	<70	<100	<90

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						1,2-Dichloroethane	1,2-Dichloropropane	1,2-Dichlorotetrafluoroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	Benzene	Bromodichloromethane	Bromomethane	Carbon Tetrachloride	Chlorobenzene
SAIA-SB/SG23	P1589cc	04/21/2014	N	25	25	<21	--	--	<25	--	<30	<36	**43**	<34	<39	<13	--
SAIA-SB/SG23	P5298cc	04/21/2014	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG23	P578cc	04/21/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG23	P1734cc	04/21/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG23	P5782cc	04/21/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG24	SAIA-SB/SG-24-5, P816cc	04/23/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG24	SAIA-SB/SG-24-15, P913cc	04/23/2014	N	15	15	<21	--	--	<25	--	<30	<36	**19**	<34	<39	<13	--
SAIA-SB/SG24	SAIA-SB/SG-24-25, P530cc	04/23/2014	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG24	SAIA-SB/SG-24-35, P578cc	04/23/2014	N	35	35	<21	--	--	<25	--	<30	<36	**840**	<34	<39	<13	--
SAIA-SB/SG24	SAIA-SG24-E35	04/23/2014	N	35	35	<19000	<22000	<33000	<23000	<29000	<29000	--	<15000	--	<19000	<30000	<22000
SAIA-SB/SG25	SAIA-SB/SG-25-5, P816cc	04/28/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG25	P963cc	04/28/2014	FD	15	15	<21	--	--	<25	--	<30	<36	**26**	<34	<39	<13	--
SAIA-SB/SG25	SAIA-SB/SG-25-15, P913cc	04/28/2014	N	15	15	<21	--	--	<25	--	<30	<36	**20**	<34	<39	<13	--
SAIA-SB/SG25	SAIA-SB/SG-25-25, P530cc	04/28/2014	N	25	25	<21	--	--	<25	--	<30	<36	**28**	<34	<39	<13	--
SAIA-SB/SG25	SAIA-SB/SG-25-35, P578cc	04/28/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG26	P866cc	04/23/2014	FD	5	5	<21	--	--	<25	--	**770**	<36	**46**	<34	<39	<13	--
SAIA-SB/SG26	SAIA-SB/SG-26-5, P816cc	04/23/2014	N	5	5	<21	--	--	<25	--	**770**	<36	**41**	<34	<39	<13	--
SAIA-SB/SG26	SAIA-SB/SG-26-15, P913cc	04/23/2014	N	15	15	<21	--	--	<25	--	<30	<36	**42**	<34	<39	<13	--
SAIA-SB/SG26	SAIA-SB/SG-26-25, P530cc	04/24/2014	N	25	25	<21	--	--	<25	--	<30	<36	**71**	<34	<39	<13	--
SAIA-SB/SG27	SAIA-SB/SG-27-5, P816cc	04/28/2014	N	5	5	<21	--	--	<25	--	<30	<36	**29**	<34	<39	<13	--
SAIA-SB/SG27	SAIA-SG27-E5	04/28/2014	N	5	5	<80	<100	<100	<100	<100	<100	--	**60 J**	--	<80	<100	<100
SAIA-SB/SG27	SAIA-SB/SG-27-15, P913cc	04/28/2014	N	15	15	<21	--	--	<25	--	<30	<36	**25**	<34	<39	<13	--
SAIA-SB/SG27	SAIA-SB/SG-27-25, P530cc	04/28/2014	N	25	25	<21	--	--	<25	--	<30	<36	**49**	<34	<39	<13	--
SAIA-SB/SG27	SAIA-SB/SG-27-35, P578cc	04/29/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG28	SAIA-SB/SG-28-5, P816cc	04/24/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG28	P963cc	04/24/2014	FD	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG28	SAIA-SB/SG-28-15, P913cc	04/24/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG28	SAIA-SB/SG-28-35, P578cc	04/24/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG29	SAIA-SB/SG-29-5, P816cc	04/24/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG29	SAIA-SG29-E5	04/24/2014	N	5	5	<60	<70	<100	<70	<90	<90	--	<50	--	<60	<90	<70

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropanol	Isopropylbenzene (Cumene)	m,p-Xylene	Methylene Chloride
SAIA-SB/SG23	P1589cc	04/21/2014	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P5298cc	04/21/2014	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P578cc	04/21/2014	N	35	35	<27	<25	<21	**58**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P1734cc	04/21/2014	N	35	35	<27	<25	<21	**55**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG23	P5782cc	04/21/2014	N	35	35	<27	<25	<21	**58**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG24	SAIA-SB/SG-24-5, P816cc	04/23/2014	N	5	5	<27	<25	<21	**170**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG24	SAIA-SB/SG-24-15, P913cc	04/23/2014	N	15	15	<27	<25	<21	**3,900**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG24	SAIA-SB/SG-24-25, P530cc	04/23/2014	N	25	25	<27	<25	<21	**1,200**	--	<25	**40**	--	--	<25	**51**	<18
SAIA-SB/SG24	SAIA-SB/SG-24-35, P578cc	04/23/2014	N	35	35	<27	**120**	<21	**420,000**	--	<25	**93**	--	--	<25	<44	<18
SAIA-SB/SG24	SAIA-SG24-E35	04/23/2014	N	35	35	<13000	<23000	<9900	**2,600,000**	<22000	--	<21000	<51000	--	--	<41000	<17000
SAIA-SB/SG25	SAIA-SB/SG-25-5, P816cc	04/28/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG25	P963cc	04/28/2014	FD	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG25	SAIA-SB/SG-25-15, P913cc	04/28/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG25	SAIA-SB/SG-25-25, P530cc	04/28/2014	N	25	25	<27	<25	**58**	**81 J**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG25	SAIA-SB/SG-25-35, P578cc	04/28/2014	N	35	35	<27	<25	<21	**6,700 J**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG26	P866cc	04/23/2014	FD	5	5	<27	<25	<21	**240**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG26	SAIA-SB/SG-26-5, P816cc	04/23/2014	N	5	5	<27	<25	<21	**290**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG26	SAIA-SB/SG-26-15, P913cc	04/23/2014	N	15	15	<27	<25	<21	**17,000**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG26	SAIA-SB/SG-26-25, P530cc	04/24/2014	N	25	25	<27	<25	<21	**98,000**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG27	SAIA-SB/SG-27-5, P816cc	04/28/2014	N	5	5	<27	<25	<21	**57 J**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG27	SAIA-SG27-E5	04/28/2014	N	5	5	<60	<100	<40	**200**	<90	--	<90	<200	--	--	<200	<70
SAIA-SB/SG27	SAIA-SB/SG-27-15, P913cc	04/28/2014	N	15	15	<27	<25	<21	**340 J**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG27	SAIA-SB/SG-27-25, P530cc	04/28/2014	N	25	25	<27	<25	<21	**4,000 J**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG27	SAIA-SB/SG-27-35, P578cc	04/29/2014	N	35	35	<27	<25	<21	**14,000**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG28	SAIA-SB/SG-28-5, P816cc	04/24/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG28	P963cc	04/24/2014	FD	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG28	SAIA-SB/SG-28-15, P913cc	04/24/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG28	SAIA-SB/SG-28-35, P578cc	04/24/2014	N	35	35	<27	<25	<21	**24,000**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG29	SAIA-SB/SG-29-5, P816cc	04/24/2014	N	5	5	<27	<25	<21	**1,200**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG29	SAIA-SG29-E5	04/24/2014	N	5	5	<40	<70	<30	**1,400**	<70	--	<60	<200	--	--	<100	<50

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)												
						Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)
SAIA-SB/SG23	P1589cc	04/21/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**89**	**55**	<40	--	**320**
SAIA-SB/SG23	P5298cc	04/21/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**47**	**28**	<40	--	**160**
SAIA-SB/SG23	P578cc	04/21/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**110**	<19	<40	--	**1,500**
SAIA-SB/SG23	P1734cc	04/21/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**82**	<19	<40	--	**1,500**
SAIA-SB/SG23	P5782cc	04/21/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**75**	<19	<40	--	**1,500**
SAIA-SB/SG24	SAIA-SB/SG-24-5, P816cc	04/23/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**93**	<19	<40	--	**920**
SAIA-SB/SG24	SAIA-SB/SG-24-15, P913cc	04/23/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**93**	<19	**120**	--	**19,000**
SAIA-SB/SG24	SAIA-SB/SG-24-25, P530cc	04/23/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**760**	**44**	**45**	--	**5,500**
SAIA-SB/SG24	SAIA-SB/SG-24-35, P578cc	04/23/2014	N	35	35	<27	<28	<25	**24**	**50**	<28	--	<28	**950**	**63**	**72,000 J**	--	**980,000**
SAIA-SB/SG24	SAIA-SG24-E35	04/23/2014	N	35	35	--	--	--	<21000	--	--	<20000	--	<32000	<18000	--	<22000	**6,600,000**
SAIA-SB/SG25	SAIA-SB/SG-25-5, P816cc	04/28/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**3,000 J**	<19	<40	--	<27
SAIA-SB/SG25	P963cc	04/28/2014	FD	15	15	<27	<28	<25	<22	<28	<28	--	<28	**3,400 J**	<19	<40	--	<27
SAIA-SB/SG25	SAIA-SB/SG-25-15, P913cc	04/28/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**4,100 J**	<19	<40	--	<27
SAIA-SB/SG25	SAIA-SB/SG-25-25, P530cc	04/28/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**580 J**	**29 J**	<40	--	**620**
SAIA-SB/SG25	SAIA-SB/SG-25-35, P578cc	04/28/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**6,400 J**	<19	**690**	--	**25,000**
SAIA-SB/SG26	P866cc	04/23/2014	FD	5	5	<27	<28	<25	<22	<28	<28	--	<28	**36**	<19	<40	--	**740**
SAIA-SB/SG26	SAIA-SB/SG-26-5, P816cc	04/23/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**65**	<19	<40	--	**950**
SAIA-SB/SG26	SAIA-SB/SG-26-15, P913cc	04/23/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**37**	<19	**240**	--	**33,000**
SAIA-SB/SG26	SAIA-SB/SG-26-25, P530cc	04/24/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**75**	**30**	**1,200**	--	**150,000**
SAIA-SB/SG27	SAIA-SB/SG-27-5, P816cc	04/28/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**53,000 J**	**20 J**	<40	--	**970**
SAIA-SB/SG27	SAIA-SG27-E5	04/28/2014	N	5	5	--	--	--	<90	--	--	<90	--	**40,000**	<80	--	<90	**1,600**
SAIA-SB/SG27	SAIA-SB/SG-27-15, P913cc	04/28/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**30,000 J**	<19	**100**	--	**5,300**
SAIA-SB/SG27	SAIA-SB/SG-27-25, P530cc	04/28/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**15,000 J**	<19	**460**	--	**23,000**
SAIA-SB/SG27	SAIA-SB/SG-27-35, P578cc	04/29/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**210**	<19	**1,200**	--	**10,000**
SAIA-SB/SG28	SAIA-SB/SG-28-5, P816cc	04/24/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**590**	<19	<40	--	<27
SAIA-SB/SG28	P963cc	04/24/2014	FD	15	15	<27	<28	<25	<22	<28	<28	--	<28	**540**	<19	<40	--	<27
SAIA-SB/SG28	SAIA-SB/SG-28-15, P913cc	04/24/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**690**	<19	<40	--	<27
SAIA-SB/SG28	SAIA-SB/SG-28-35, P578cc	04/24/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**310**	<19	**1,600**	--	**11,000**
SAIA-SB/SG29	SAIA-SB/SG-29-5, P816cc	04/24/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**5,700**
SAIA-SB/SG29	SAIA-SG29-E5	04/24/2014	N	5	5	--	--	--	<60	--	--	<60	--	<100	<60	--	<70	**4,800**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)	
						Trichlorofluoromethane	Vinyl Chloride
SAIA-SB/SG23	P1589cc	04/21/2014	N	25	25	<28	<13
SAIA-SB/SG23	P5298cc	04/21/2014	N	25	25	<28	<13
SAIA-SB/SG23	P578cc	04/21/2014	N	35	35	<28	<13
SAIA-SB/SG23	P1734cc	04/21/2014	N	35	35	<28	<13
SAIA-SB/SG23	P5782cc	04/21/2014	N	35	35	<28	<13
SAIA-SB/SG24	SAIA-SB/SG-24-5, P816cc	04/23/2014	N	5	5	<28	<13
SAIA-SB/SG24	SAIA-SB/SG-24-15, P913cc	04/23/2014	N	15	15	<28	<13
SAIA-SB/SG24	SAIA-SB/SG-24-25, P530cc	04/23/2014	N	25	25	<28	<13
SAIA-SB/SG24	SAIA-SB/SG-24-35, P578cc	04/23/2014	N	35	35	<28	**17,000 J**
SAIA-SB/SG24	SAIA-SG24-E35	04/23/2014	N	35	35	<27000	**20,000**
SAIA-SB/SG25	SAIA-SB/SG-25-5, P816cc	04/28/2014	N	5	5	<28	<13
SAIA-SB/SG25	P963cc	04/28/2014	FD	15	15	<28	<13
SAIA-SB/SG25	SAIA-SB/SG-25-15, P913cc	04/28/2014	N	15	15	<28	<13
SAIA-SB/SG25	SAIA-SB/SG-25-25, P530cc	04/28/2014	N	25	25	<28	<13
SAIA-SB/SG25	SAIA-SB/SG-25-35, P578cc	04/28/2014	N	35	35	<28	**26**
SAIA-SB/SG26	P866cc	04/23/2014	FD	5	5	<28	<13
SAIA-SB/SG26	SAIA-SB/SG-26-5, P816cc	04/23/2014	N	5	5	<28	<13
SAIA-SB/SG26	SAIA-SB/SG-26-15, P913cc	04/23/2014	N	15	15	<28	**230**
SAIA-SB/SG26	SAIA-SB/SG-26-25, P530cc	04/24/2014	N	25	25	<28	**6,500**
SAIA-SB/SG27	SAIA-SB/SG-27-5, P816cc	04/28/2014	N	5	5	<28	<13
SAIA-SB/SG27	SAIA-SG27-E5	04/28/2014	N	5	5	<100	<50
SAIA-SB/SG27	SAIA-SB/SG-27-15, P913cc	04/28/2014	N	15	15	<28	<13
SAIA-SB/SG27	SAIA-SB/SG-27-25, P530cc	04/28/2014	N	25	25	<28	<13
SAIA-SB/SG27	SAIA-SB/SG-27-35, P578cc	04/29/2014	N	35	35	<28	<13
SAIA-SB/SG28	SAIA-SB/SG-28-5, P816cc	04/24/2014	N	5	5	<28	<13
SAIA-SB/SG28	P963cc	04/24/2014	FD	15	15	<28	<13
SAIA-SB/SG28	SAIA-SB/SG-28-15, P913cc	04/24/2014	N	15	15	<28	<13
SAIA-SB/SG28	SAIA-SB/SG-28-35, P578cc	04/24/2014	N	35	35	<28	**64**
SAIA-SB/SG29	SAIA-SB/SG-29-5, P816cc	04/24/2014	N	5	5	<28	<13
SAIA-SB/SG29	SAIA-SG29-E5	04/24/2014	N	5	5	<80	<40

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/m3)											
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
SAIA-SB/SG29	SAIA-SB/SG-29-15, P913cc	04/24/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG29	SAIA-SB/SG-29-25, P530cc	04/24/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG29	SAIA-SB/SG-29-35, P578cc	04/24/2014	N	35	35	<35	<28	<35	<39	<28	**120**	**74**	<27	<38	<25	--	--
SAIA-SB/SG30	SAIA-SB/SG-30-5, P816cc	04/24/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG30	SAIA-SB/SG-30-15, P913cc	04/24/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG30	SAIA-SB/SG-30-25, P530cc	04/25/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG30	SAIA-SG30-E25	04/25/2014	N	25	25	--	<20	<20	<20	<20	<10	<10	--	<20	<20	<20	<20
SAIA-SB/SG30	SAIA-SB/SG-30-35, P578cc	04/25/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG31	SAIA-SB/SG-31-5, P816cc	04/24/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG31	SAIA-SB/SG-31-15, P913cc	04/24/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG31	SAIA-SB/SG-31-25, P530cc	04/24/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG31	SAIA-SB/SG-31-35, P578cc	04/24/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG32	SAIA-SB/SG-32-5, P816cc	04/25/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG32	SAIA-SB/SG-32-15, P913cc	04/25/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG32	SAIA-SG32-E15	04/25/2014	N	15	15	--	<10	<20	<20	<10	**5 J**	<9	--	**10 J**	**7 J**	<20	<10
SAIA-SB/SG32	SAIA-SB/SG-32-25, P530cc	04/25/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG32	SAIA-SB/SG-32-35, P578cc	04/25/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG33	P866cc	04/25/2014	FD	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG33	SAIA-SB/SG-33-5, P816cc	04/25/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG33	SAIA-SB/SG-33-15, P913cc	04/25/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	**2,700**	--	--
SAIA-SB/SG33	SAIA-SB/SG-33-25, P530cc	04/25/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	**600**	--	--
SAIA-SB/SG33	SAIA-SB/SG-33-35, P578cc	04/25/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG33	SAIA-SG33-E35	04/25/2014	N	35	35	--	<10	<20	<20	<10	**10**	**10**	--	<20	**10 J**	<20	<20
SAIA-SB/SG34	SAIA-SB/SG-34-5, P816cc	04/25/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG34	SAIA-SB/SG-34-15, P913cc	04/25/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG34	SAIA-SB/SG-34-25, P530cc	04/25/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG34	SAIA-SB/SG-34-35, P578cc	04/25/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG35	SAIA-SB/SG-35-5, P816cc	04/28/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG35	SAIA-SB/SG-35-15, P913cc	04/28/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG35	SAIA-SB/SG-35-25, P530cc	04/28/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						1,2-Dichloroethane	1,2-Dichloropropane	1,2-Dichlorotetrafluoroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	Benzene	Bromodichloromethane	Bromomethane	Carbon Tetrachloride	Chlorobenzene
SAIA-SB/SG29	SAIA-SB/SG-29-15, P913cc	04/24/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG29	SAIA-SB/SG-29-25, P530cc	04/24/2014	N	25	25	<21	--	--	<25	--	<30	<36	**170**	<34	<39	<13	--
SAIA-SB/SG29	SAIA-SB/SG-29-35, P578cc	04/24/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG30	SAIA-SB/SG-30-5, P816cc	04/24/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG30	SAIA-SB/SG-30-15, P913cc	04/24/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG30	SAIA-SB/SG-30-25, P530cc	04/25/2014	N	25	25	<21	--	--	<25	--	<30	<36	**28**	<34	<39	<13	--
SAIA-SB/SG30	SAIA-SG30-E25	04/25/2014	N	25	25	<10	<10	<20	<20	<20	<20	--	**40**	--	<10	<20	<10
SAIA-SB/SG30	SAIA-SB/SG-30-35, P578cc	04/25/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG31	SAIA-SB/SG-31-5, P816cc	04/24/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG31	SAIA-SB/SG-31-15, P913cc	04/24/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG31	SAIA-SB/SG-31-25, P530cc	04/24/2014	N	25	25	<21	--	--	<25	--	<30	<36	**24**	<34	<39	<13	--
SAIA-SB/SG31	SAIA-SB/SG-31-35, P578cc	04/24/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG32	SAIA-SB/SG-32-5, P816cc	04/25/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG32	SAIA-SB/SG-32-15, P913cc	04/25/2014	N	15	15	<21	--	--	<25	--	<30	<36	**21**	<34	<39	<13	--
SAIA-SB/SG32	SAIA-SG32-E15	04/25/2014	N	15	15	<10	<10	<20	<10	<10	<10	--	**40**	--	<9	<10	<10
SAIA-SB/SG32	SAIA-SB/SG-32-25, P530cc	04/25/2014	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG32	SAIA-SB/SG-32-35, P578cc	04/25/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG33	P866cc	04/25/2014	FD	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG33	SAIA-SB/SG-33-5, P816cc	04/25/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG33	SAIA-SB/SG-33-15, P913cc	04/25/2014	N	15	15	<21	--	--	**420**	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG33	SAIA-SB/SG-33-25, P530cc	04/25/2014	N	25	25	<21	--	--	**230**	--	<30	<36	**35**	<34	<39	<13	--
SAIA-SB/SG33	SAIA-SB/SG-33-35, P578cc	04/25/2014	N	35	35	<21	--	--	<25	--	<30	<36	**29**	<34	<39	<13	--
SAIA-SB/SG33	SAIA-SG33-E35	04/25/2014	N	35	35	<10	<10	<20	<10	<20	<20	--	**50**	--	<10	<20	<10
SAIA-SB/SG34	SAIA-SB/SG-34-5, P816cc	04/25/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG34	SAIA-SB/SG-34-15, P913cc	04/25/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG34	SAIA-SB/SG-34-25, P530cc	04/25/2014	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG34	SAIA-SB/SG-34-35, P578cc	04/25/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG35	SAIA-SB/SG-35-5, P816cc	04/28/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG35	SAIA-SB/SG-35-15, P913cc	04/28/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG35	SAIA-SB/SG-35-25, P530cc	04/28/2014	N	25	25	<21	--	--	<25	--	<30	<36	**79**	<34	<39	<13	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropanol	Isopropylbenzene (Cumene)	m,p-Xylene	Methylene Chloride
SAIA-SB/SG29	SAIA-SB/SG-29-15, P913cc	04/24/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG29	SAIA-SB/SG-29-25, P530cc	04/24/2014	N	25	25	<27	<25	<21	**83**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG29	SAIA-SB/SG-29-35, P578cc	04/24/2014	N	35	35	<27	<25	<21	**7,600**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG30	SAIA-SB/SG-30-5, P816cc	04/24/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG30	SAIA-SB/SG-30-15, P913cc	04/24/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG30	SAIA-SB/SG-30-25, P530cc	04/25/2014	N	25	25	<27	<25	<21	**240**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG30	SAIA-SG30-E25	04/25/2014	N	25	25	<8	<20	<7	**500**	<10	--	<10	<30	--	--	<30	<10
SAIA-SB/SG30	SAIA-SB/SG-30-35, P578cc	04/25/2014	N	35	35	<27	<25	<21	**290**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG31	SAIA-SB/SG-31-5, P816cc	04/24/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG31	SAIA-SB/SG-31-15, P913cc	04/24/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG31	SAIA-SB/SG-31-25, P530cc	04/24/2014	N	25	25	<27	<25	<21	**170**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG31	SAIA-SB/SG-31-35, P578cc	04/24/2014	N	35	35	<27	<25	<21	**1,600**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG32	SAIA-SB/SG-32-5, P816cc	04/25/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG32	SAIA-SB/SG-32-15, P913cc	04/25/2014	N	15	15	<27	<25	<21	**150**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG32	SAIA-SG32-E15	04/25/2014	N	15	15	<6	<10	<5	**400**	<10	--	<10	<30	--	--	<20	<8
SAIA-SB/SG32	SAIA-SB/SG-32-25, P530cc	04/25/2014	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG32	SAIA-SB/SG-32-35, P578cc	04/25/2014	N	35	35	<27	<25	<21	**47**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG33	P866cc	04/25/2014	FD	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG33	SAIA-SB/SG-33-5, P816cc	04/25/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG33	SAIA-SB/SG-33-15, P913cc	04/25/2014	N	15	15	<27	<25	<21	<40	--	<25	**270**	--	--	**420**	**120**	<18
SAIA-SB/SG33	SAIA-SB/SG-33-25, P530cc	04/25/2014	N	25	25	<27	<25	<21	<40	--	<25	**170**	--	--	**230**	**140**	<18
SAIA-SB/SG33	SAIA-SB/SG-33-35, P578cc	04/25/2014	N	35	35	<27	<25	<21	**630**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG33	SAIA-SG33-E35	04/25/2014	N	35	35	<7	<10	<6	**800**	<10	--	<10	<30	--	--	<20	<9
SAIA-SB/SG34	SAIA-SB/SG-34-5, P816cc	04/25/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG34	SAIA-SB/SG-34-15, P913cc	04/25/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG34	SAIA-SB/SG-34-25, P530cc	04/25/2014	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG34	SAIA-SB/SG-34-35, P578cc	04/25/2014	N	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG35	SAIA-SB/SG-35-5, P816cc	04/28/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG35	SAIA-SB/SG-35-15, P913cc	04/28/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG35	SAIA-SB/SG-35-25, P530cc	04/28/2014	N	25	25	<27	<25	<21	**51 J**	--	<25	<22	--	--	<25	<44	<18

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)												
						Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)
SAIA-SB/SG29	SAIA-SB/SG-29-15, P913cc	04/24/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**61**	<19	<40	--	<27
SAIA-SB/SG29	SAIA-SB/SG-29-25, P530cc	04/24/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	**35**	<40	--	**320**
SAIA-SB/SG29	SAIA-SB/SG-29-35, P578cc	04/24/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**680**	<19	**530**	--	**9,500**
SAIA-SB/SG30	SAIA-SB/SG-30-5, P816cc	04/24/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**400**	<19	<40	--	<27
SAIA-SB/SG30	SAIA-SB/SG-30-15, P913cc	04/24/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**590**	<19	<40	--	<27
SAIA-SB/SG30	SAIA-SB/SG-30-25, P530cc	04/25/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**740**	<19	<40	--	**1,300**
SAIA-SB/SG30	SAIA-SG30-E25	04/25/2014	N	25	25	--	--	--	<10	--	--	<10	--	**700**	**8 J**	--	<10	**2,600**
SAIA-SB/SG30	SAIA-SB/SG-30-35, P578cc	04/25/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**490**	<19	**59**	--	**250**
SAIA-SB/SG31	SAIA-SB/SG-31-5, P816cc	04/24/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**490**	<19	<40	--	<27
SAIA-SB/SG31	SAIA-SB/SG-31-15, P913cc	04/24/2014	N	15	15	<27	<28	<25	<22	**34**	<28	--	<28	**750**	<19	<40	--	**57**
SAIA-SB/SG31	SAIA-SB/SG-31-25, P530cc	04/24/2014	N	25	25	<27	<28	<25	<22	**110**	<28	--	<28	**580**	<19	<40	--	**2,300**
SAIA-SB/SG31	SAIA-SB/SG-31-35, P578cc	04/24/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**560**	<19	**110**	--	**1,500**
SAIA-SB/SG32	SAIA-SB/SG-32-5, P816cc	04/25/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**76**	<19	<40	--	<27
SAIA-SB/SG32	SAIA-SB/SG-32-15, P913cc	04/25/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**230**	<19	<40	--	**980**
SAIA-SB/SG32	SAIA-SG32-E15	04/25/2014	N	15	15	--	--	--	<10	--	--	<10	--	**200**	**8 J**	--	<10	**2,000**
SAIA-SB/SG32	SAIA-SB/SG-32-25, P530cc	04/25/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG32	SAIA-SB/SG-32-35, P578cc	04/25/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**120**
SAIA-SB/SG33	P866cc	04/25/2014	FD	5	5	<27	<28	<25	<22	<28	<28	--	<28	**410**	<19	<40	--	<27
SAIA-SB/SG33	SAIA-SB/SG-33-5, P816cc	04/25/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**470**	<19	<40	--	<27
SAIA-SB/SG33	SAIA-SB/SG-33-15, P913cc	04/25/2014	N	15	15	**260**	<28	**320**	**300**	**940**	**1,300**	--	**400**	**190**	<19	<40	--	<27
SAIA-SB/SG33	SAIA-SB/SG-33-25, P530cc	04/25/2014	N	25	25	**33**	<28	**110**	**46**	**3,400**	**650**	--	<28	<34	**39**	<40	--	<27
SAIA-SB/SG33	SAIA-SB/SG-33-35, P578cc	04/25/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	**51**	--	**1,900**
SAIA-SB/SG33	SAIA-SG33-E35	04/25/2014	N	35	35	--	--	--	<10	--	--	<10	--	**20**	**8 J**	--	<10	**2,700**
SAIA-SB/SG34	SAIA-SB/SG-34-5, P816cc	04/25/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG34	SAIA-SB/SG-34-15, P913cc	04/25/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG34	SAIA-SB/SG-34-25, P530cc	04/25/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG34	SAIA-SB/SG-34-35, P578cc	04/25/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG35	SAIA-SB/SG-35-5, P816cc	04/28/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG35	SAIA-SB/SG-35-15, P913cc	04/28/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG35	SAIA-SB/SG-35-25, P530cc	04/28/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	**34 J**	<40	--	**530**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)	
						Trichlorofluoromethane	Vinyl Chloride
SAIA-SB/SG29	SAIA-SB/SG-29-15, P913cc	04/24/2014	N	15	15	<28	<13
SAIA-SB/SG29	SAIA-SB/SG-29-25, P530cc	04/24/2014	N	25	25	<28	**13**
SAIA-SB/SG29	SAIA-SB/SG-29-35, P578cc	04/24/2014	N	35	35	<28	<13
SAIA-SB/SG30	SAIA-SB/SG-30-5, P816cc	04/24/2014	N	5	5	<28	<13
SAIA-SB/SG30	SAIA-SB/SG-30-15, P913cc	04/24/2014	N	15	15	<28	<13
SAIA-SB/SG30	SAIA-SB/SG-30-25, P530cc	04/25/2014	N	25	25	<28	<13
SAIA-SB/SG30	SAIA-SG30-E25	04/25/2014	N	25	25	<20	<8
SAIA-SB/SG30	SAIA-SB/SG-30-35, P578cc	04/25/2014	N	35	35	<28	<13
SAIA-SB/SG31	SAIA-SB/SG-31-5, P816cc	04/24/2014	N	5	5	<28	<13
SAIA-SB/SG31	SAIA-SB/SG-31-15, P913cc	04/24/2014	N	15	15	<28	<13
SAIA-SB/SG31	SAIA-SB/SG-31-25, P530cc	04/24/2014	N	25	25	<28	<13
SAIA-SB/SG31	SAIA-SB/SG-31-35, P578cc	04/24/2014	N	35	35	<28	<13
SAIA-SB/SG32	SAIA-SB/SG-32-5, P816cc	04/25/2014	N	5	5	<28	<13
SAIA-SB/SG32	SAIA-SB/SG-32-15, P913cc	04/25/2014	N	15	15	<28	<13
SAIA-SB/SG32	SAIA-SG32-E15	04/25/2014	N	15	15	<10	<6
SAIA-SB/SG32	SAIA-SB/SG-32-25, P530cc	04/25/2014	N	25	25	<28	<13
SAIA-SB/SG32	SAIA-SB/SG-32-35, P578cc	04/25/2014	N	35	35	<28	<13
SAIA-SB/SG33	P866cc	04/25/2014	FD	5	5	<28	<13
SAIA-SB/SG33	SAIA-SB/SG-33-5, P816cc	04/25/2014	N	5	5	<28	<13
SAIA-SB/SG33	SAIA-SB/SG-33-15, P913cc	04/25/2014	N	15	15	<28	<13
SAIA-SB/SG33	SAIA-SB/SG-33-25, P530cc	04/25/2014	N	25	25	<28	<13
SAIA-SB/SG33	SAIA-SB/SG-33-35, P578cc	04/25/2014	N	35	35	<28	<13
SAIA-SB/SG33	SAIA-SG33-E35	04/25/2014	N	35	35	<20	<7
SAIA-SB/SG34	SAIA-SB/SG-34-5, P816cc	04/25/2014	N	5	5	<28	<13
SAIA-SB/SG34	SAIA-SB/SG-34-15, P913cc	04/25/2014	N	15	15	<28	<13
SAIA-SB/SG34	SAIA-SB/SG-34-25, P530cc	04/25/2014	N	25	25	<28	<13
SAIA-SB/SG34	SAIA-SB/SG-34-35, P578cc	04/25/2014	N	35	35	<28	<13
SAIA-SB/SG35	SAIA-SB/SG-35-5, P816cc	04/28/2014	N	5	5	<28	<13
SAIA-SB/SG35	SAIA-SB/SG-35-15, P913cc	04/28/2014	N	15	15	<28	<13
SAIA-SB/SG35	SAIA-SB/SG-35-25, P530cc	04/28/2014	N	25	25	<28	<13

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/m3)											
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
SAIA-SB/SG35	SAIA-SG35-E25	04/28/2014	N	25	25	--	<10	<20	<20	<10	<10	<10	--	**10 J**	**10 J**	<20	<10
SAIA-SB/SG35	SAIA-SB/SG-35-35, P578cc	04/28/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG36	SAIA-SB/SG-36-5, P816cc	04/23/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG36	SAIA-SB/SG-36-15, P913cc	04/23/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG36	SAIA-SB/SG-36-25, P530cc	04/23/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG36	SAIA-SB/SG-36-35, P578cc	04/23/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG36	SAIA-SG36-E35	04/23/2014	N	35	35	--	<20	<20	<30	<20	<10	<10	--	<30	<20	<30	<20
SAIA-SB/SG37	SAIA-SB/SG-37-5, P816cc	04/22/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG37	SAIA-SB/SG-37-15, P913cc	04/22/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG38	SAIA-SB/SG-38-5, P816cc	04/22/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG38	P963cc	04/22/2014	FD	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG38	SAIA-SB/SG-38-15, P913cc	04/22/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG38	SAIA-SB/SG-38-25, P530cc	04/22/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG38	SAIA-SB/SG-38-35, P578cc	04/22/2014	N	35	35	<35	**120**	<35	<39	<28	**45,000**	**4,400**	<27	<38	<25	--	--
SAIA-SB/SG39	SAIA-SB/SG-39-5, P816cc	04/22/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG39	SAIA-SB/SG-39-15, P913cc	04/22/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG39	SAIA-SG39-E15	04/22/2014	N	15	15	--	<30	<30	<40	<30	<20	<20	--	<40	**20 J**	<40	<30
SAIA-SB/SG39	SAIA-SB/SG-39-25, P530cc	04/22/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG39	SAIA-SB/SG-39-35, P578cc	04/22/2014	N	35	35	<35	<28	<35	<39	<28	**380**	**160**	**92**	<38	<25	--	--
SAIA-SB/SG40	SAIA-SB/SG-40-5, P816cc	05/01/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG40	SAIA-SB/SG-40-15, P913cc	05/01/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG40	SAIA-SB/SG-40-25, P530cc	05/01/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG40	P628cc	05/01/2014	FD	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG40	SAIA-SB/SG-40-35, P578cc	05/01/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG41	SAIA-SB/SG-41-5, P816cc	05/01/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG41	SAIA-SG41-E5	05/01/2014	N	5	5	--	<60	<80	<80	<60	**20 J**	<40	--	<80	<50	<80	<70
SAIA-SB/SG41	SAIA-SB/SG-41-15, P913cc	05/01/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG41	SAIA-SB/SG-41-25, P530cc	05/01/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG41	SAIA-SB/SG-41-35, P578cc	05/01/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG42	SAIA-SB/SG-42-5, P816cc	05/02/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						1,2-Dichloroethane	1,2-Dichloropropane	1,2-Dichlorotetrafluoroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	Benzene	Bromodichloromethane	Bromomethane	Carbon Tetrachloride	Chlorobenzene
SAIA-SB/SG35	SAIA-SG35-E25	04/28/2014	N	25	25	<10	<10	<20	<10	<10	<10	--	**100**	--	<9	<20	<10
SAIA-SB/SG35	SAIA-SB/SG-35-35, P578cc	04/28/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG36	SAIA-SB/SG-36-5, P816cc	04/23/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG36	SAIA-SB/SG-36-15, P913cc	04/23/2014	N	15	15	<21	--	--	<25	--	<30	<36	**21**	<34	<39	<13	--
SAIA-SB/SG36	SAIA-SB/SG-36-25, P530cc	04/23/2014	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG36	SAIA-SB/SG-36-35, P578cc	04/23/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG36	SAIA-SG36-E35	04/23/2014	N	35	35	<10	<20	<20	<20	<20	<20	--	**9 J**	--	<10	<20	<20
SAIA-SB/SG37	SAIA-SB/SG-37-5, P816cc	04/22/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG37	SAIA-SB/SG-37-15, P913cc	04/22/2014	N	15	15	<21	--	--	<25	--	<30	<36	**58**	<34	<39	<13	--
SAIA-SB/SG38	SAIA-SB/SG-38-5, P816cc	04/22/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG38	P963cc	04/22/2014	FD	15	15	<21	--	--	<25	--	<30	<36	**49**	<34	<39	<13	--
SAIA-SB/SG38	SAIA-SB/SG-38-15, P913cc	04/22/2014	N	15	15	<21	--	--	<25	--	<30	<36	**52**	<34	<39	<13	--
SAIA-SB/SG38	SAIA-SB/SG-38-25, P530cc	04/22/2014	N	25	25	<21	--	--	<25	--	<30	<36	**55**	<34	<39	<13	--
SAIA-SB/SG38	SAIA-SB/SG-38-35, P578cc	04/22/2014	N	35	35	**65**	--	--	**190**	--	<30	<36	**230**	<34	<39	<13	--
SAIA-SB/SG39	SAIA-SB/SG-39-5, P816cc	04/22/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG39	SAIA-SB/SG-39-15, P913cc	04/22/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG39	SAIA-SG39-E15	04/22/2014	N	15	15	<20	<20	<30	<20	<30	<30	--	**10 J**	--	<20	<30	<20
SAIA-SB/SG39	SAIA-SB/SG-39-25, P530cc	04/22/2014	N	25	25	<21	--	--	<25	--	<30	<36	**90**	<34	<39	<13	--
SAIA-SB/SG39	SAIA-SB/SG-39-35, P578cc	04/22/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG40	SAIA-SB/SG-40-5, P816cc	05/01/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG40	SAIA-SB/SG-40-15, P913cc	05/01/2014	N	15	15	<21	--	--	<25	--	<30	<36	**23**	<34	<39	<13	--
SAIA-SB/SG40	SAIA-SB/SG-40-25, P530cc	05/01/2014	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG40	P628cc	05/01/2014	FD	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG40	SAIA-SB/SG-40-35, P578cc	05/01/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG41	SAIA-SB/SG-41-5, P816cc	05/01/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG41	SAIA-SG41-E5	05/01/2014	N	5	5	<40	<50	<80	<50	<70	<70	--	**60**	--	<40	<70	<50
SAIA-SB/SG41	SAIA-SB/SG-41-15, P913cc	05/01/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG41	SAIA-SB/SG-41-25, P530cc	05/01/2014	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG41	SAIA-SB/SG-41-35, P578cc	05/01/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG42	SAIA-SB/SG-42-5, P816cc	05/02/2014	N	5	5	<21	--	--	<25	--	<30	<36	**21**	<34	<39	<13	--

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropanol	Isopropylbenzene (Cumene)	m,p-Xylene	Methylene Chloride
SAIA-SB/SG35	SAIA-SG35-E25	04/28/2014	N	25	25	<6	<10	<5	**100**	<10	--	**7 J**	<30	--	--	**20**	<8
SAIA-SB/SG35	SAIA-SB/SG-35-35, P578cc	04/28/2014	N	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG36	SAIA-SB/SG-36-5, P816cc	04/23/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG36	SAIA-SB/SG-36-15, P913cc	04/23/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG36	SAIA-SB/SG-36-25, P530cc	04/23/2014	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG36	SAIA-SB/SG-36-35, P578cc	04/23/2014	N	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG36	SAIA-SG36-E35	04/23/2014	N	35	35	<9	<20	<7	**20**	<20	--	<10	<40	--	--	<30	<10
SAIA-SB/SG37	SAIA-SB/SG-37-5, P816cc	04/22/2014	N	5	5	<27	<25	<21	**380**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG37	SAIA-SB/SG-37-15, P913cc	04/22/2014	N	15	15	<27	<25	<21	**83**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG38	SAIA-SB/SG-38-5, P816cc	04/22/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG38	P963cc	04/22/2014	FD	15	15	<27	<25	<21	**330**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG38	SAIA-SB/SG-38-15, P913cc	04/22/2014	N	15	15	<27	<25	<21	**350**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG38	SAIA-SB/SG-38-25, P530cc	04/22/2014	N	25	25	<27	<25	<21	**510**	--	<25	<22	--	--	<25	**47**	<18
SAIA-SB/SG38	SAIA-SB/SG-38-35, P578cc	04/22/2014	N	35	35	<27	**44**	<21	**1,100,000**	--	<25	**25**	--	--	**190**	<44	<18
SAIA-SB/SG39	SAIA-SB/SG-39-5, P816cc	04/22/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG39	SAIA-SB/SG-39-15, P913cc	04/22/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG39	SAIA-SG39-E15	04/22/2014	N	15	15	<10	<20	<10	**20**	<20	--	<20	<50	--	--	**20 J**	<20
SAIA-SB/SG39	SAIA-SB/SG-39-25, P530cc	04/22/2014	N	25	25	<27	<25	<21	**140**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG39	SAIA-SB/SG-39-35, P578cc	04/22/2014	N	35	35	<27	<25	<21	**34,000**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG40	SAIA-SB/SG-40-5, P816cc	05/01/2014	N	5	5	<27	<25	<21	**410**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG40	SAIA-SB/SG-40-15, P913cc	05/01/2014	N	15	15	<27	<25	<21	**340**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG40	SAIA-SB/SG-40-25, P530cc	05/01/2014	N	25	25	<27	<25	<21	**200**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG40	P628cc	05/01/2014	FD	35	35	<27	<25	<21	**730**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG40	SAIA-SB/SG-40-35, P578cc	05/01/2014	N	35	35	<27	<25	<21	**900**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG41	SAIA-SB/SG-41-5, P816cc	05/01/2014	N	5	5	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG41	SAIA-SG41-E5	05/01/2014	N	5	5	<30	<50	<20	**5,100**	<50	--	<50	<100	--	--	<100	<40
SAIA-SB/SG41	SAIA-SB/SG-41-15, P913cc	05/01/2014	N	15	15	<27	<25	<21	**160**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG41	SAIA-SB/SG-41-25, P530cc	05/01/2014	N	25	25	<27	<25	<21	**60**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG41	SAIA-SB/SG-41-35, P578cc	05/01/2014	N	35	35	<27	<25	<21	**69**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG42	SAIA-SB/SG-42-5, P816cc	05/02/2014	N	5	5	<27	<25	<21	**190**	--	<25	<22	--	--	<25	<44	<18

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)												
						Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)
SAIA-SB/SG35	SAIA-SG35-E25	04/28/2014	N	25	25	--	--	--	**10**	--	--	<10	--	<20	**20**	--	<10	**1,200**
SAIA-SB/SG35	SAIA-SB/SG-35-35, P578cc	04/28/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG36	SAIA-SB/SG-36-5, P816cc	04/23/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG36	SAIA-SB/SG-36-15, P913cc	04/23/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG36	SAIA-SB/SG-36-25, P530cc	04/23/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG36	SAIA-SB/SG-36-35, P578cc	04/23/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**40**
SAIA-SB/SG36	SAIA-SG36-E35	04/23/2014	N	35	35	--	--	--	<10	--	--	<10	--	<20	**8 J**	--	<20	**80**
SAIA-SB/SG37	SAIA-SB/SG-37-5, P816cc	04/22/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**45**	<19	<40	--	**400**
SAIA-SB/SG37	SAIA-SB/SG-37-15, P913cc	04/22/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	**35**	<40	--	**160**
SAIA-SB/SG38	SAIA-SB/SG-38-5, P816cc	04/22/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**46**	<19	<40	--	<27
SAIA-SB/SG38	P963cc	04/22/2014	FD	15	15	<27	<28	<25	<22	<28	<28	--	<28	**57**	**37**	<40	--	**270**
SAIA-SB/SG38	SAIA-SB/SG-38-15, P913cc	04/22/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	**53**	<40	--	**330**
SAIA-SB/SG38	SAIA-SB/SG-38-25, P530cc	04/22/2014	N	25	25	<27	<28	<25	<22	**74**	<28	--	<28	<34	**38**	<40	--	**200**
SAIA-SB/SG38	SAIA-SB/SG-38-35, P578cc	04/22/2014	N	35	35	<27	<28	<25	<22	<28	**300**	--	<28	**3,100**	**180**	<10000	--	**940,000**
SAIA-SB/SG39	SAIA-SB/SG-39-5, P816cc	04/22/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG39	SAIA-SB/SG-39-15, P913cc	04/22/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG39	SAIA-SG39-E15	04/22/2014	N	15	15	--	--	--	**10 J**	--	--	<20	--	<30	**20**	--	<20	**20 J**
SAIA-SB/SG39	SAIA-SB/SG-39-25, P530cc	04/22/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	**47**	<40	--	**78**
SAIA-SB/SG39	SAIA-SB/SG-39-35, P578cc	04/22/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	**160**	<19	**1,700**	--	**13,000**
SAIA-SB/SG40	SAIA-SB/SG-40-5, P816cc	05/01/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	**240**	<19	<40	--	**200**
SAIA-SB/SG40	SAIA-SB/SG-40-15, P913cc	05/01/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**330**	<19	<40	--	**140**
SAIA-SB/SG40	SAIA-SB/SG-40-25, P530cc	05/01/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	**1,200**	<19	<40	--	**380**
SAIA-SB/SG40	P628cc	05/01/2014	FD	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	**88**	--	**320 J**
SAIA-SB/SG40	SAIA-SB/SG-40-35, P578cc	05/01/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	**96**	--	**430**
SAIA-SB/SG41	SAIA-SB/SG-41-5, P816cc	05/01/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**51**
SAIA-SB/SG41	SAIA-SG41-E5	05/01/2014	N	5	5	--	--	--	<50	--	--	<50	--	**50 J**	<40	--	<50	**6,000**
SAIA-SB/SG41	SAIA-SB/SG-41-15, P913cc	05/01/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	**45**	<19	<40	--	**94**
SAIA-SB/SG41	SAIA-SB/SG-41-25, P530cc	05/01/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**34**
SAIA-SB/SG41	SAIA-SB/SG-41-35, P578cc	05/01/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG42	SAIA-SB/SG-42-5, P816cc	05/02/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**53**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)	
						Trichlorofluoromethane	Vinyl Chloride
SAIA-SB/SG35	SAIA-SG35-E25	04/28/2014	N	25	25	<10	<6
SAIA-SB/SG35	SAIA-SB/SG-35-35, P578cc	04/28/2014	N	35	35	<28	<13
SAIA-SB/SG36	SAIA-SB/SG-36-5, P816cc	04/23/2014	N	5	5	<28	<13
SAIA-SB/SG36	SAIA-SB/SG-36-15, P913cc	04/23/2014	N	15	15	<28	<13
SAIA-SB/SG36	SAIA-SB/SG-36-25, P530cc	04/23/2014	N	25	25	<28	<13
SAIA-SB/SG36	SAIA-SB/SG-36-35, P578cc	04/23/2014	N	35	35	<28	<13
SAIA-SB/SG36	SAIA-SG36-E35	04/23/2014	N	35	35	<20	<9
SAIA-SB/SG37	SAIA-SB/SG-37-5, P816cc	04/22/2014	N	5	5	<28	<13
SAIA-SB/SG37	SAIA-SB/SG-37-15, P913cc	04/22/2014	N	15	15	<28	<13
SAIA-SB/SG38	SAIA-SB/SG-38-5, P816cc	04/22/2014	N	5	5	<28	<13
SAIA-SB/SG38	P963cc	04/22/2014	FD	15	15	<28	<13
SAIA-SB/SG38	SAIA-SB/SG-38-15, P913cc	04/22/2014	N	15	15	<28	<13
SAIA-SB/SG38	SAIA-SB/SG-38-25, P530cc	04/22/2014	N	25	25	<28	<13
SAIA-SB/SG38	SAIA-SB/SG-38-35, P578cc	04/22/2014	N	35	35	<28	**52,000**
SAIA-SB/SG39	SAIA-SB/SG-39-5, P816cc	04/22/2014	N	5	5	<28	<13
SAIA-SB/SG39	SAIA-SB/SG-39-15, P913cc	04/22/2014	N	15	15	<28	<13
SAIA-SB/SG39	SAIA-SG39-E15	04/22/2014	N	15	15	<30	<10
SAIA-SB/SG39	SAIA-SB/SG-39-25, P530cc	04/22/2014	N	25	25	<28	<13
SAIA-SB/SG39	SAIA-SB/SG-39-35, P578cc	04/22/2014	N	35	35	<28	**76**
SAIA-SB/SG40	SAIA-SB/SG-40-5, P816cc	05/01/2014	N	5	5	<28	<13
SAIA-SB/SG40	SAIA-SB/SG-40-15, P913cc	05/01/2014	N	15	15	<28	<13
SAIA-SB/SG40	SAIA-SB/SG-40-25, P530cc	05/01/2014	N	25	25	<28	<13
SAIA-SB/SG40	P628cc	05/01/2014	FD	35	35	<28	<13
SAIA-SB/SG40	SAIA-SB/SG-40-35, P578cc	05/01/2014	N	35	35	<28	<13
SAIA-SB/SG41	SAIA-SB/SG-41-5, P816cc	05/01/2014	N	5	5	<28	<13
SAIA-SB/SG41	SAIA-SG41-E5	05/01/2014	N	5	5	<60	<30
SAIA-SB/SG41	SAIA-SB/SG-41-15, P913cc	05/01/2014	N	15	15	<28	<13
SAIA-SB/SG41	SAIA-SB/SG-41-25, P530cc	05/01/2014	N	25	25	<28	<13
SAIA-SB/SG41	SAIA-SB/SG-41-35, P578cc	05/01/2014	N	35	35	<28	<13
SAIA-SB/SG42	SAIA-SB/SG-42-5, P816cc	05/02/2014	N	5	5	<28	<13

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (in ug/m3)											
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
SAIA-SB/SG42	SAIA-SB/SG-42-15, P913cc	05/02/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG42	SAIA-SB/SG-42-25, P530cc	05/02/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG42	SAIA-SB/SG-42-35, P578cc	05/02/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG43	SAIA-SB/SG-43-5, P816cc	05/01/2014	N	5	5	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG43	SAIA-SB/SG-43-15, P913cc	05/02/2014	N	15	15	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG43	SAIA-SB/SG-43-25, P530cc	05/02/2014	N	25	25	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG43	SAIA-SB/SG-43-35 Rep, P628cc	05/02/2014	FD	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG43	SAIA-SB/SG-43-35, P578cc	05/02/2014	N	35	35	<35	<28	<35	<39	<28	<41	<20	<27	<38	<25	--	--
SAIA-SB/SG44	SAIA-SG44-5	04/27/2017	N	4	5	--	<10	<10	<10	<10	<8	<8	--	<10	<10	<10	<10
SAIA-SB/SG44	SAIA-SG44-15	04/27/2017	N	14	15	--	<10	<20	<20	<10	<9	**10**	--	<20	**7 J**	<20	<10
SAIA-SB/SG44	SAIA-SG44-25	04/27/2017	N	24	25	--	<10	<10	<10	<10	<8	**10**	--	<10	**10 J**	<10	<10
SAIA-SB/SG44	SAIA-SG44-35	04/27/2017	N	34	35	--	<10	<20	<20	<10	<10	**7 J**	--	<20	<10	<20	<20
SAIA-SB/SG45	SAIA-SG45-5	04/27/2017	N	4	5	--	<10	<20	<20	<10	<10	<10	--	<20	<10	<20	<20
SAIA-SB/SG45	SAIA-SG45-15	04/27/2017	N	14	15	--	<10	<20	<20	<10	<9	<9	--	<20	<10	<20	<10
SAIA-SB/SG45	SAIA-SG45-16	04/27/2017	FD	14	15	--	<10	<10	<20	<10	<8	<8	--	<20	<10	<20	<10
SAIA-SB/SG45	SAIA-SG45-25	04/27/2017	N	24	25	--	<10	<20	<20	<10	**30**	**100**	--	<20	<10	<20	<10
SAIA-SB/SG45	SAIA-SG45-35	04/27/2017	N	34	35	--	<10	<20	<20	<10	**30**	**100**	--	<20	<10	<20	<10
SAIA-SB/SG46	SAIA-SG46-05	04/27/2017	N	4	5	--	<10	<10	<20	<10	<8	<8	--	<20	<10	<20	<10
SAIA-SB/SG46	SAIA-SG46-15	04/27/2017	N	14	15	--	<10	<20	<20	<10	<10	<10	--	<20	<10	<20	<20
SAIA-SB/SG46	SAIA-SG46-25	04/27/2017	N	24	25	--	<10	<20	<20	<10	<9	<9	--	<20	<10	<20	<10
SAIA-SB/SG46	SAIA-SG46-35	04/27/2017	N	34	35	--	<10	<10	<20	<10	**70**	**90**	--	<20	<10	<20	<10
SAIA-SB/SG47	SAIA-SG47-05	04/27/2017	N	4	5	--	<10	<10	<20	<10	<9	<9	--	<20	<10	<20	<10
SAIA-SB/SG47	SAIA-SG47-15	04/27/2017	N	14	15	--	<10	<20	<20	<10	<10	<10	--	<20	<10	<20	<20
SAIA-SB/SG47	SAIA-SG47-25	04/27/2017	N	24	25	--	<10	<20	<20	<10	<9	<9	--	<20	<10	<20	<10
SAIA-SB/SG47	SAIA-SG47-35	04/27/2017	N	34	35	--	<10	<20	<20	<10	<10	<10	--	<20	<10	<20	<20

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						1,2-Dichloroethane	1,2-Dichloropropane	1,2-Dichlorotetrafluoroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane (p-Dioxane)	Benzene	Bromodichloromethane	Bromomethane	Carbon Tetrachloride	Chlorobenzene
SAIA-SB/SG42	SAIA-SB/SG-42-15, P913cc	05/02/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG42	SAIA-SB/SG-42-25, P530cc	05/02/2014	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG42	SAIA-SB/SG-42-35, P578cc	05/02/2014	N	35	35	<21	--	--	<25	--	<30	<36	**17**	<34	<39	<13	--
SAIA-SB/SG43	SAIA-SB/SG-43-5, P816cc	05/01/2014	N	5	5	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG43	SAIA-SB/SG-43-15, P913cc	05/02/2014	N	15	15	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG43	SAIA-SB/SG-43-25, P530cc	05/02/2014	N	25	25	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG43	SAIA-SB/SG-43-35 Rep, P628cc	05/02/2014	FD	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG43	SAIA-SB/SG-43-35, P578cc	05/02/2014	N	35	35	<21	--	--	<25	--	<30	<36	<16	<34	<39	<13	--
SAIA-SB/SG44	SAIA-SG44-5	04/27/2017	N	4	5	<8	<9	<10	<10	<10	<10	<7	<6	--	<8	<10	<9
SAIA-SB/SG44	SAIA-SG44-15	04/27/2017	N	14	15	<9	<10	<20	<10	<10	<10	<8	**40**	--	<9	<10	<10
SAIA-SB/SG44	SAIA-SG44-25	04/27/2017	N	24	25	<8	<9	<10	<9	<10	<10	<7	**10**	--	<7	<10	**5 J**
SAIA-SB/SG44	SAIA-SG44-35	04/27/2017	N	34	35	<10	<10	<20	<10	<20	<20	<9	**10**	--	<10	<20	<10
SAIA-SB/SG45	SAIA-SG45-5	04/27/2017	N	4	5	<10	<10	<20	<10	<20	<20	<9	**6 J**	--	<10	<20	<10
SAIA-SB/SG45	SAIA-SG45-15	04/27/2017	N	14	15	<9	<10	<20	<10	<10	<10	<8	**30**	--	<9	<10	<10
SAIA-SB/SG45	SAIA-SG45-16	04/27/2017	FD	14	15	<8	<10	<10	<10	<10	<10	<8	**40**	--	<8	<10	<10
SAIA-SB/SG45	SAIA-SG45-25	04/27/2017	N	24	25	<10	<10	<20	<10	<10	<10	<9	**9**	--	<9	<10	<10
SAIA-SB/SG45	SAIA-SG45-35	04/27/2017	N	34	35	<10	<10	<20	<10	<10	<10	<9	**5 J**	--	<9	<20	<10
SAIA-SB/SG46	SAIA-SG46-05	04/27/2017	N	4	5	<8	<10	<10	<10	<10	<10	<8	<7	--	<8	<10	<10
SAIA-SB/SG46	SAIA-SG46-15	04/27/2017	N	14	15	<10	<10	<20	<10	<20	<20	<9	**20**	--	<10	<20	<10
SAIA-SB/SG46	SAIA-SG46-25	04/27/2017	N	24	25	<9	<10	<20	<10	<10	<10	<8	**20**	--	<9	<10	<10
SAIA-SB/SG46	SAIA-SG46-35	04/27/2017	N	34	35	<8	<10	<10	<10	<10	<10	<7	**30**	--	<8	<10	<9
SAIA-SB/SG47	SAIA-SG47-05	04/27/2017	N	4	5	<9	<10	<20	<10	<10	<10	<8	<7	--	<8	<10	<10
SAIA-SB/SG47	SAIA-SG47-15	04/27/2017	N	14	15	<10	<10	<20	<10	<20	<20	<10	**8 J**	--	<10	<20	<10
SAIA-SB/SG47	SAIA-SG47-25	04/27/2017	N	24	25	<9	<10	<20	<10	<10	<10	<8	**20**	--	<8	<10	<10
SAIA-SB/SG47	SAIA-SG47-35	04/27/2017	N	34	35	<10	<10	<20	<10	<20	<20	<10	**60**	--	<10	<20	<10

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)											
						Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropanol	Isopropylbenzene (Cumene)	m,p-Xylene	Methylene Chloride
SAIA-SB/SG42	SAIA-SB/SG-42-15, P913cc	05/02/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG42	SAIA-SB/SG-42-25, P530cc	05/02/2014	N	25	25	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG42	SAIA-SB/SG-42-35, P578cc	05/02/2014	N	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG43	SAIA-SB/SG-43-5, P816cc	05/01/2014	N	5	5	<27	<25	<21	**62**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG43	SAIA-SB/SG-43-15, P913cc	05/02/2014	N	15	15	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG43	SAIA-SB/SG-43-25, P530cc	05/02/2014	N	25	25	<27	<25	<21	**60**	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG43	SAIA-SB/SG-43-35 Rep, P628cc	05/02/2014	FD	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG43	SAIA-SB/SG-43-35, P578cc	05/02/2014	N	35	35	<27	<25	<21	<40	--	<25	<22	--	--	<25	<44	<18
SAIA-SB/SG44	SAIA-SG44-5	04/27/2017	N	4	5	<5	**5 J**	<4	<8	<9	--	**5 J**	<20	**90 J**	--	**20**	**4 J**
SAIA-SB/SG44	SAIA-SG44-15	04/27/2017	N	14	15	<6	<10	<5	**10**	<10	--	**9 J**	<20	**20 J**	--	**30**	**6 J**
SAIA-SB/SG44	SAIA-SG44-25	04/27/2017	N	24	25	<5	<9	**2 J**	**30**	<9	--	**6 J**	<20	**20 J**	--	**20**	**4 J**
SAIA-SB/SG44	SAIA-SG44-35	04/27/2017	N	34	35	<7	<10	<5	**20**	<10	--	<10	<30	**20 J**	--	<20	<9
SAIA-SB/SG45	SAIA-SG45-5	04/27/2017	N	4	5	<7	<10	<5	<10	<10	--	<10	<30	**20 J**	--	<20	<9
SAIA-SB/SG45	SAIA-SG45-15	04/27/2017	N	14	15	<6	**30**	<5	<9	<10	--	**6 J**	<20	**20 J**	--	**20**	**6 J**
SAIA-SB/SG45	SAIA-SG45-16	04/27/2017	FD	14	15	<6	**40**	<4	<8	<9	--	**8 J**	<20	**10 J**	--	**20**	**6 J**
SAIA-SB/SG45	SAIA-SG45-25	04/27/2017	N	24	25	<6	<10	<5	**900**	<10	--	<10	<30	**6 J**	--	**10 J**	**4 J**
SAIA-SB/SG45	SAIA-SG45-35	04/27/2017	N	34	35	<6	<10	<5	**1,100**	<10	--	<10	<30	**20 J**	--	<20	<8
SAIA-SB/SG46	SAIA-SG46-05	04/27/2017	N	4	5	<6	<10	<4	<8	<10	--	<9	<20	**4 J**	--	<20	<7
SAIA-SB/SG46	SAIA-SG46-15	04/27/2017	N	14	15	<7	**10**	**3 J**	**20**	<10	--	<10	<30	**20 J**	--	**10 J**	**6 J**
SAIA-SB/SG46	SAIA-SG46-25	04/27/2017	N	24	25	<6	**10**	**2 J**	**10**	<10	--	**5 J**	<20	**10 J**	--	**10 J**	**5 J**
SAIA-SB/SG46	SAIA-SG46-35	04/27/2017	N	34	35	<5	<10	**7 J**	**1,900**	<9	--	<9	<20	**10 J**	--	<20	**5 J**
SAIA-SB/SG47	SAIA-SG47-05	04/27/2017	N	4	5	<6	**7 J**	<4	<9	<10	--	<9	<20	**4 J**	--	<20	**4 J**
SAIA-SB/SG47	SAIA-SG47-15	04/27/2017	N	14	15	<7	<10	<6	<10	<10	--	<10	<30	**3 J**	--	**10 J**	**5 J**
SAIA-SB/SG47	SAIA-SG47-25	04/27/2017	N	24	25	<6	**10**	**3 J**	<9	<10	--	<10	<20	**6 J**	--	**10 J**	**6 J**
SAIA-SB/SG47	SAIA-SG47-35	04/27/2017	N	34	35	<7	<10	<5	**7 J**	<10	--	<10	<30	**8 J**	--	**10 J**	**9**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)												
						Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)
SAIA-SB/SG42	SAIA-SB/SG-42-15, P913cc	05/02/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG42	SAIA-SB/SG-42-25, P530cc	05/02/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG42	SAIA-SB/SG-42-35, P578cc	05/02/2014	N	35	35	<27	<28	<25	<22	**33**	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG43	SAIA-SB/SG-43-5, P816cc	05/01/2014	N	5	5	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	**55**
SAIA-SB/SG43	SAIA-SB/SG-43-15, P913cc	05/02/2014	N	15	15	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG43	SAIA-SB/SG-43-25, P530cc	05/02/2014	N	25	25	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG43	SAIA-SB/SG-43-35 Rep, P628cc	05/02/2014	FD	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG43	SAIA-SB/SG-43-35, P578cc	05/02/2014	N	35	35	<27	<28	<25	<22	<28	<28	--	<28	<34	<19	<40	--	<27
SAIA-SB/SG44	SAIA-SG44-5	04/27/2017	N	4	5	--	--	--	**6 J**	--	--	<8	--	<10	**40**	--	<9	<10
SAIA-SB/SG44	SAIA-SG44-15	04/27/2017	N	14	15	--	--	--	**9 J**	--	--	<10	--	**30**	**80**	--	<10	**40**
SAIA-SB/SG44	SAIA-SG44-25	04/27/2017	N	24	25	--	--	--	**8**	--	--	<8	--	<10	**60**	--	<9	**50**
SAIA-SB/SG44	SAIA-SG44-35	04/27/2017	N	34	35	--	--	--	<10	--	--	<10	--	**20**	**40**	--	<10	**40**
SAIA-SB/SG45	SAIA-SG45-5	04/27/2017	N	4	5	--	--	--	<10	--	--	<10	--	**10 J**	**10**	--	<10	<10
SAIA-SB/SG45	SAIA-SG45-15	04/27/2017	N	14	15	--	--	--	**7 J**	--	--	<9	--	**10 J**	**100**	--	<10	**20**
SAIA-SB/SG45	SAIA-SG45-16	04/27/2017	FD	14	15	--	--	--	**8 J**	--	--	<9	--	**10**	**200**	--	<9	**20**
SAIA-SB/SG45	SAIA-SG45-25	04/27/2017	N	24	25	--	--	--	<10	--	--	<10	--	**20**	**200**	--	<10	**3,500**
SAIA-SB/SG45	SAIA-SG45-35	04/27/2017	N	34	35	--	--	--	<10	--	--	<10	--	**30**	**100**	--	<10	**3,900**
SAIA-SB/SG46	SAIA-SG46-05	04/27/2017	N	4	5	--	--	--	<9	--	--	<9	--	<10	**7 J**	--	<10	<10
SAIA-SB/SG46	SAIA-SG46-15	04/27/2017	N	14	15	--	--	--	<10	--	--	<10	--	<20	**40**	--	<10	**100**
SAIA-SB/SG46	SAIA-SG46-25	04/27/2017	N	24	25	--	--	--	**5 J**	--	--	<10	--	**10 J**	**60**	--	<10	**500**
SAIA-SB/SG46	SAIA-SG46-35	04/27/2017	N	34	35	--	--	--	<9	--	--	<9	--	**8 J**	**60**	--	<9	**16,000**
SAIA-SB/SG47	SAIA-SG47-05	04/27/2017	N	4	5	--	--	--	<9	--	--	<9	--	**9 J**	**8**	--	<10	<10
SAIA-SB/SG47	SAIA-SG47-15	04/27/2017	N	14	15	--	--	--	<10	--	--	<10	--	**10 J**	**80**	--	<10	<10
SAIA-SB/SG47	SAIA-SG47-25	04/27/2017	N	24	25	--	--	--	**5 J**	--	--	<9	--	**8 J**	**60**	--	<10	**40**
SAIA-SB/SG47	SAIA-SG47-35	04/27/2017	N	34	35	--	--	--	<10	--	--	<10	--	**10 J**	**600**	--	<10	**50**

Appendix E-2
Analytical Results for Soil Gas Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Top Sample Depth	Bottom Sample Depth	Volatiles (ug/m3)	
						Trichlorofluoromethane	Vinyl Chloride
SAIA-SB/SG42	SAIA-SB/SG-42-15, P913cc	05/02/2014	N	15	15	<28	<13
SAIA-SB/SG42	SAIA-SB/SG-42-25, P530cc	05/02/2014	N	25	25	<28	<13
SAIA-SB/SG42	SAIA-SB/SG-42-35, P578cc	05/02/2014	N	35	35	<28	<13
SAIA-SB/SG43	SAIA-SB/SG-43-5, P816cc	05/01/2014	N	5	5	<28	<13
SAIA-SB/SG43	SAIA-SB/SG-43-15, P913cc	05/02/2014	N	15	15	<28	<13
SAIA-SB/SG43	SAIA-SB/SG-43-25, P530cc	05/02/2014	N	25	25	<28	<13
SAIA-SB/SG43	SAIA-SB/SG-43-35 Rep, P628cc	05/02/2014	FD	35	35	<28	<13
SAIA-SB/SG43	SAIA-SB/SG-43-35, P578cc	05/02/2014	N	35	35	<28	<13
SAIA-SB/SG44	SAIA-SG44-5	04/27/2017	N	4	5	<10	<5
SAIA-SB/SG44	SAIA-SG44-15	04/27/2017	N	14	15	<10	**40**
SAIA-SB/SG44	SAIA-SG44-25	04/27/2017	N	24	25	<10	**30**
SAIA-SB/SG44	SAIA-SG44-35	04/27/2017	N	34	35	<10	**20**
SAIA-SB/SG45	SAIA-SG45-5	04/27/2017	N	4	5	<10	<7
SAIA-SB/SG45	SAIA-SG45-15	04/27/2017	N	14	15	<10	<6
SAIA-SB/SG45	SAIA-SG45-16	04/27/2017	FD	14	15	<10	<5
SAIA-SB/SG45	SAIA-SG45-25	04/27/2017	N	24	25	<10	**60**
SAIA-SB/SG45	SAIA-SG45-35	04/27/2017	N	34	35	<10	**50**
SAIA-SB/SG46	SAIA-SG46-05	04/27/2017	N	4	5	<10	<5
SAIA-SB/SG46	SAIA-SG46-15	04/27/2017	N	14	15	<10	<6
SAIA-SB/SG46	SAIA-SG46-25	04/27/2017	N	24	25	<10	<6
SAIA-SB/SG46	SAIA-SG46-35	04/27/2017	N	34	35	<10	**20**
SAIA-SB/SG47	SAIA-SG47-05	04/27/2017	N	4	5	<10	<6
SAIA-SB/SG47	SAIA-SG47-15	04/27/2017	N	14	15	<20	<7
SAIA-SB/SG47	SAIA-SG47-25	04/27/2017	N	24	25	<10	<6
SAIA-SB/SG47	SAIA-SG47-35	04/27/2017	N	34	35	<10	**30**

Notes:
Detected results shown in bold
ID = Identification number
FD = Field duplicate sample results
J = Concentration is estimated because it falls between the method detection limit and laboratory reporting limit.
N = Normal sample results
R = Rejected results
ug/m3 = Micrograms per cubic meter
-- = Not analyzed

Appendix E-3

Analytical Results for Groundwater from Monitoring Wells

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (ug/L)																
Location ID	Sample ID	Sample Date	Sample Type	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane
MW-2B	38051	06/13/2011	N	<0.5	<0.5	<0.5	<0.5	<0.5	**2.1**	**2.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	**0.7**
MW32	MW32-0716	07/13/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW32	MW132-0716	07/13/2016	FD	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW34	MW34-0314	03/26/2014	N	--	<2.5	<2.5	<2.5	<2.5	**1.6 J**	<2.5	--	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<2.5
MW34	MW934-0314	03/26/2014	FD	--	<2	<2	<2	<2	**1.3 J**	<2	--	<2	<2	<2	--	<2	<2	<2	<2
MW34	MW34-0716	07/12/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	**0.94**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW35	MW35-0314	03/26/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.33 J**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**5.8**
MW35	MW35-0716	07/12/2016	N	--	<0.5	<0.5	<0.5	<0.5	**3**	**4**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**6.8**
MW42	SAIA-MW42-0313	03/05/2013	N	--	<40	<40	<40	<40	<40	<40	--	<40	<40	<40	--	<40	<40	<40	<40
MW42	MW42-0314	03/26/2014	N	--	<10	<10	<10	<10	**25**	<10	--	<10	<10	<10	--	<10	<10	<10	<10
MW42	MW42-0716	07/12/2016	N	--	<2.5	<2.5	<2.5	<2.5	**18**	**3.7 J**	--	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<2.5
MW43	SAIA-MW43-0313	03/05/2013	N	--	<0.5	<0.5	<0.5	<0.5	**0.53**	**2.5**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**10**
MW43	MW43-0314	03/26/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.22 J**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**7.6**
MW43	MW43-0716	07/12/2016	N	--	<0.5	<0.5	<0.5	<0.5	**1**	**3.4**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**44**
MW44	MW44-0314	03/26/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.2 J**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**4**
MW44	MW44-0716	07/12/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW45	SAIA-MW45-0313	03/05/2013	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.73**
MW45	MW45-0314	03/25/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.21**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.84**
MW45	MW45-0716	07/14/2016	N	--	<0.5	<0.5	<0.5	<0.5	**0.45 J**	**0.99**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**5.4**
MW46	SAIA-MW46-0313	03/05/2013	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW46	SAIA-MW46-1313	03/05/2013	FD	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW46	MW46-0314	03/24/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.097 J**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW46	MW46-0716	07/19/2016	N	--	<1	<1	<1	<1	**7.5**	**2.2**	--	<1	<1	<1	--	<1	<1	<1	<1
MW47	SAIA-MW47-0313	03/05/2013	N	--	<10	<10	<10	<10	<10	<10	--	<10	<10	<10	--	<10	<10	<10	<10
MW47	MW47-0314	03/24/2014	N	--	<4	<4	<4	<4	**1.3 J**	<4	--	<4	<4	<4	--	<4	<4	<4	<4
MW47	MW47-0716	07/19/2016	N	--	<5	<5	<5	<5	**6.1**	<5	--	<5	<5	<5	--	<5	<5	<5	<5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (ug/L)														
MW48	SAIA-MW48-0313	03/06/2013	N	--	<0.5	<0.5	<0.5	<0.5	**1.1**	**1.1**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**7.5**
MW48	MW48-0314	03/24/2014	N	--	<0.5	<0.5	<0.5	<0.5	**1.6**	**2.1**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**6.9**
MW48	MW48-0716	07/19/2016	N	--	<0.5	<0.5	<0.5	<0.5	**1.3**	**1.9**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**15**
MW49	SAIA-MW49-0313	03/06/2013	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	**0.28 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW49	MW49-0314	03/26/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW49	MW49-0716	07/15/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW49	MW149-0716	07/15/2016	FD	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW-4B	38053	06/14/2011	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	**4**
MW52	SAIA-MW52-0313	03/06/2013	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW52	MW52-0314	03/25/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW52	MW952-0314	03/25/2014	FD	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW52	MW52-0716	07/19/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
MW56	MW56-0314	03/26/2014	N	--	<2	<2	<2	<2	<2	<2	--	<2	<2	<2	--	<2	<2	<2	<2
MW56	MW56-0716	07/18/2016	N	--	<1	<1	<1	<1	<1	<1	--	<1	<1	R	--	<1	<1	<1	<1
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	--	<1	<1	<1	<1	<1	<1	--	<1	<1	R	--	<1	<1	<1	**0.59 J**
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	--	<0.5	<0.5	<0.5	<0.5	**0.32 J**	**1.2**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	**0.27 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	--	<0.5	<0.5	<0.5	<0.5	<0.5	**0.3 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	**0.47 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	--	<100	<100	<100	<100	**21 J**	<100	--	<100	<100	<100	--	<100	<100	<100	<100
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	--	<0.5	<0.5	<0.5	**0.58**	**17**	**16 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	--	<25	<25	<25	<25	**22 J**	<25	--	<25	<25	<25	--	<25	<25	<25	<25
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.25**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.48 J**
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.19 J**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.52**
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.58**
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.64**
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	--	<4	<4	<4	<4	**3.9 J**	<4	--	<4	<4	<4	--	<4	<4	<4	**35**

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (ug/L)														
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	--	<0.5	<0.5	<0.5	<0.5	**4.2**	**6.5 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**52**
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	--	<0.5	<0.5	<0.5	<0.5	**2.6**	**5.3**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**33**
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	--	<10	<10	<10	<10	**4.8 J**	<10	--	<10	<10	<10	--	<10	<10	<10	<10
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	--	<0.5	<0.5	<0.5	**0.45 J**	**7.2**	**7.7 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.25 J**
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	--	<0.5	<0.5	<0.5	**0.47 J**	**7**	**7.7 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	--	<2.5	<2.5	<2.5	<2.5	**5.5**	**6.4**	--	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<2.5
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**6.6**
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.11 J**	**0.5**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**5.1**
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.81**
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	--	<2	<2	<2	<2	**3**	**4.7**	--	<2	<2	<2	--	<2	<2	<2	**32**
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	--	<0.5	<0.5	<0.5	<0.5	**2.8**	**5.2 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**34**
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	--	<0.5	<0.5	<0.5	<0.5	**1.8**	**3.5 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**33**
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.13**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	--	<25	<25	<25	<25	**49**	**18 J**	--	<25	<25	<25	--	<25	<25	<25	<25
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	--	<0.5	<0.5	<0.5	**3.6**	**72**	**20 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**2.1**
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	--	<25	<25	<25	<25	**23 J**	<25	--	<25	<25	<25	--	<25	<25	<25	<25
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.2**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**1.8**
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	--	<0.5	<0.5	<0.5	<0.5	**0.2**	<0.5	--	**0.32 J**	<0.5	**0.13 J**	--	<0.5	<0.5	<0.5	**1.6**
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.25 J**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**2.1**
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	--	<0.5	<0.5	<0.5	<0.5	**0.51**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**2.8**
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.32**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.34 J**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	--	<25	<25	<25	<25	**15 J**	<25	--	<25	<25	<25	--	<25	<25	<25	<25
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	--	<0.5	<0.5	<0.5	**1.1**	**18**	**6.6 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.72**
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	--	<0.5	<0.5	<0.5	**1.1**	**18**	**6.6 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.69**
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	--	<10	<10	<10	<10	**16**	<10	--	<10	<10	<10	--	<10	<10	<10	<10
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	--	<10	<10	<10	<10	**3.6 J**	<10	--	<10	<10	<10	--	<10	<10	<10	<10
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	--	<0.5	<0.5	<0.5	<0.5	**4.1**	**1.3**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**2.1**
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	--	<2.5	<2.5	<2.5	<2.5	**5.9**	<2.5	--	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	**2 J**
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	--	<5	<5	<5	<5	<5	<5	--	<5	<5	<5	--	<5	<5	<5	<5
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.42 J**	**0.89**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	--	<0.5	<0.5	<0.5	<0.5	<0.5	**0.66**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	--	<25	<25	<25	<25	<25	<25	--	<25	<25	<25	--	<25	<25	<25	<25
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	--	<0.5	<0.5	<0.5	**0.84**	**9.5**	**5.5**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.52**
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	--	<2.5	<2.5	<2.5	<2.5	**6.5**	<2.5	--	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<2.5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (ug/L)															
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	--	<4	<4	<4	<4	<4	<4	--	<4	<4	<4	--	<4	<4	<4	**2 J**
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.64 J**	**0.8 J**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**1.9**
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**1.6**
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.12**
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.2**
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.31 J**
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.3**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.96**
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	--	<0.5	<0.5	<0.5	<0.5	**0.37**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**1.1**
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	--	<0.5	<0.5	<0.5	<0.5	**0.67**	**0.65**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**1.6**
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	--	<0.5	<0.5	<0.5	<0.5	**0.84**	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**2.9**
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.18**
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.62**
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	**0.78**
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	**0.37 J**	<0.5	**0.2 J**	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	R	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	--	<1	<1	<1	<1	<1	<1	--	<1	<1	R	--	<1	<1	<1	**0.4 J**
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	--	<1	<1	<1	<1	<1	<1	--	<1	<1	R	--	<1	<1	<1	**0.48 J**
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	--	<0.5	<0.5	<0.5	<0.5	**0.88**	**0.82**	--	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
Location ID	Sample ID	Sample Date	Sample Type	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane
MW-2B	38051	06/13/2011	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<4	<0.5	--	<0.5	--	<4	**1.9**	<0.5	<0.5	<0.5
MW32	MW32-0716	07/13/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW32	MW132-0716	07/13/2016	FD	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW34	MW34-0314	03/26/2014	N	<2.5	--	<2.5	--	<2.5	--	<25	--	<25	--	<25	<25	<2.5	--	<2.5	<2.5
MW34	MW934-0314	03/26/2014	FD	<2	--	<2	--	<2	--	<20	--	<20	--	<20	<20	<2	--	<2	<2
MW34	MW34-0716	07/12/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**50**	<0.5	--	<0.5	<0.5
MW35	MW35-0314	03/26/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW35	MW35-0716	07/12/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.7**	--	<0.5	<0.5
MW42	SAIA-MW42-0313	03/05/2013	N	<40	--	<40	--	<40	--	<400	--	<400	--	<400	<400	<40	--	<40	<40
MW42	MW42-0314	03/26/2014	N	<10	--	<10	--	<10	--	<100	--	<100	--	<100	<100	<10	--	<10	<10
MW42	MW42-0716	07/12/2016	N	<2.5	--	<2.5	--	<2.5	--	<25	--	<25	--	<25	<25	<2.5	--	<2.5	<2.5
MW43	SAIA-MW43-0313	03/05/2013	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW43	MW43-0314	03/26/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW43	MW43-0716	07/12/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW44	MW44-0314	03/26/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW44	MW44-0716	07/12/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW45	SAIA-MW45-0313	03/05/2013	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW45	MW45-0314	03/25/2014	N	<0.5	--	**0.07**	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW45	MW45-0716	07/14/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.43 J**	--	<0.5	<0.5
MW46	SAIA-MW46-0313	03/05/2013	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW46	SAIA-MW46-1313	03/05/2013	FD	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW46	MW46-0314	03/24/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	**0.36 J**	<5	<0.5	--	<0.5	<0.5
MW46	MW46-0716	07/19/2016	N	<1	--	<1	--	<1	--	<10	--	<10	--	<10	<10	<1	--	<1	<1
MW47	SAIA-MW47-0313	03/05/2013	N	<10	--	<10	--	<10	--	<100	--	<100	--	<100	<100	<10	--	<10	<10
MW47	MW47-0314	03/24/2014	N	<4	--	<4	--	<4	--	<40	--	<40	--	<40	<40	<4	--	<4	<4
MW47	MW47-0716	07/19/2016	N	<5	--	<5	--	<5	--	<50	--	<50	--	<50	<50	<5	--	<5	<5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
MW48	SAIA-MW48-0313	03/06/2013	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW48	MW48-0314	03/24/2014	N	**0.12**	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW48	MW48-0716	07/19/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**12**	<0.5	--	<0.5	<0.5
MW49	SAIA-MW49-0313	03/06/2013	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW49	MW49-0314	03/26/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW49	MW49-0716	07/15/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW49	MW149-0716	07/15/2016	FD	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW-4B	38053	06/14/2011	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<4	<0.5	--	<0.5	--	<4	**0.4 J**	<0.5	<0.5	<0.5
MW52	SAIA-MW52-0313	03/06/2013	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW52	MW52-0314	03/25/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**2.4**	--	<0.5	<0.5
MW52	MW952-0314	03/25/2014	FD	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**2.1**	--	<0.5	<0.5
MW52	MW52-0716	07/19/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
MW56	MW56-0314	03/26/2014	N	<2	--	<2	--	<2	--	<20	--	<20	--	<20	<20	<2	--	<2	<2
MW56	MW56-0716	07/18/2016	N	<1	--	<1	--	<1	--	<10	--	<10	--	<10	<10	<1	--	<1	<1
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	<1	--	<1	--	<1	--	<10	--	<10	--	<10	<10	<1	--	<1	<1
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**3.5 J**	<0.5	--	<0.5	<0.5
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**7.1**	<0.5	--	<0.5	<0.5
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**5.3 J**	<0.5	--	<0.5	<0.5
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**9 J**	<0.5	--	<0.5	<0.5
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**11**	<0.5	--	<0.5	<0.5
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**10**	<0.5	--	<0.5	<0.5
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	<100	--	<100	--	<100	--	<1000	--	<1000	--	<1000	<1000	<100	--	<100	<100
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<11	**0.29 J**	--	<0.5	<0.5
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	<25	--	<25	--	<25	--	<250	--	<250	--	<250	<250	<25	--	<25	<25
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	**0.097 J**	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	<4	--	<4	--	<4	--	<40	--	<40	--	<40	<40	<4	--	<4	<4

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	**0.1 J**	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**3.7**	--	<0.5	<0.5
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**3.2**	--	<0.5	<0.5
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	<10	--	<10	--	<10	--	<100	--	<100	--	<100	<100	<10	--	<10	<10
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5.3	**0.35 J**	--	<0.5	<0.5
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.35 J**	--	<0.5	<0.5
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	<2.5	--	<2.5	--	<2.5	--	<25	--	<25	--	<25	<25	<2.5	--	<2.5	<2.5
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	**0.23 J**	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.2 J**	--	<0.5	<0.5
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	**0.19**	--	<2	--	<2	--	<20	--	<20	--	<20	<20	**6.1**	--	<2	<2
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**4.7**	--	<0.5	<0.5
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**7.8**	**2.2**	--	<0.5	<0.5
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	<25	--	<25	--	<25	--	<250	--	<250	--	<250	<250	<25	--	<25	<25
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**1.5**	--	<0.5	<0.5
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	<25	--	<25	--	<25	--	<250	--	<250	--	<250	<250	<25	--	<25	<25
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	**0.23**	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	**0.25**	--	**0.095**	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	**0.27 J**	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.085 J**	--	<0.5	<0.5
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	<25	--	<25	--	<25	--	<250	--	<250	--	<250	<250	<25	--	<25	<25
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.55**	--	<0.5	<0.5
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.55**	--	<0.5	<0.5
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	<10	--	<10	--	<10	--	<100	--	<100	--	<100	<100	<10	--	<10	<10
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	<10	--	<10	--	<10	--	<100	--	<100	--	<100	<100	<10	--	<10	<10
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	**0.3 J**	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.19 J**	--	<0.5	<0.5
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	<2.5	--	<2.5	--	<2.5	--	<25	--	<25	--	<25	<25	<2.5	--	<2.5	<2.5
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	<5	--	<5	--	**0.7 J**	--	<50	--	<50	--	<50	<50	<5	--	<5	<5
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	<25	--	<25	--	<25	--	<250	--	<250	--	<250	<250	<25	--	<25	<25
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.36 J**	--	<0.5	<0.5
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	<2.5	--	<2.5	--	<2.5	--	<25	--	<25	--	<25	<25	<2.5	--	<2.5	<2.5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	<4	--	<4	--	<4	--	<40	--	<40	--	<40	<40	<4	--	<4	<4
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	**0.26 J**	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	**0.18 J**	--	<0.5	<0.5
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	**6.3**	<0.5	--	<0.5	<0.5
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	<0.5	--	**0.11**	--	**0.14**	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	<0.5	--	**0.12**	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	<0.5	--	**0.12 J**	--	<0.5	--	<5	--	<5	--	<5	<5	**0.14 J**	--	<0.5	<0.5
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	<1	--	<1	--	<1	--	<10	--	<10	--	<10	<10	<1	--	<1	<1
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	<1	--	<1	--	<1	--	<10	--	<10	--	<10	<10	<1	--	<1	<1
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	<0.5	--	<0.5	--	<0.5	--	<5	--	<5	--	<5	<5	<0.5	--	<0.5	<0.5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
Location ID	Sample ID	Sample Date	Sample Type	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene
MW-2B	38051	06/13/2011	N	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	**19**	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
MW32	MW32-0716	07/13/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.67**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW32	MW132-0716	07/13/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.63**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW34	MW34-0314	03/26/2014	N	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**470**	<2.5	<2.5	<2.5	--	<2.5	<2.5	--
MW34	MW934-0314	03/26/2014	FD	<2	<2	<2	<2	<2	<2	<2	<2	**450**	<2	<2	<2	--	<2	<2	--
MW34	MW34-0716	07/12/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**170**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW35	MW35-0314	03/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**58**	<0.5	**0.69**	<0.5	--	<0.5	<0.5	--
MW35	MW35-0716	07/12/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**330**	<0.5	**0.92**	<0.5	--	<0.5	<0.5	--
MW42	SAIA-MW42-0313	03/05/2013	N	<40	<40	<40	<40	<40	<40	<40	<40	**2,600**	<40	<40	<40	--	<40	<40	--
MW42	MW42-0314	03/26/2014	N	<10	<10	<10	<10	<10	<10	<10	<10	**4,000**	<10	<10	<10	--	<10	<10	--
MW42	MW42-0716	07/12/2016	N	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**1,100 J**	<2.5	<2.5	<2.5	--	<2.5	<2.5	--
MW43	SAIA-MW43-0313	03/05/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**55**	<0.5	**1.4**	<0.5	--	<0.5	<0.5	--
MW43	MW43-0314	03/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**25**	<0.5	**1.2**	<0.5	--	<0.5	<0.5	--
MW43	MW43-0716	07/12/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**42**	<0.5	**2.5**	<0.5	--	<0.5	<0.5	--
MW44	MW44-0314	03/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**21**	<0.5	**0.42 J**	<0.5	--	<0.5	<0.5	--
MW44	MW44-0716	07/12/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.37 J**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW45	SAIA-MW45-0313	03/05/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**51**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW45	MW45-0314	03/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**39**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW45	MW45-0716	07/14/2016	N	<0.5	<0.5	**0.27 J**	<0.5	<0.5	<0.5	<0.5	<0.5	**76**	<0.5	**0.3 J**	<0.5	--	<0.5	<0.5	--
MW46	SAIA-MW46-0313	03/05/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**54**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW46	SAIA-MW46-1313	03/05/2013	FD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**44**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW46	MW46-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**47**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW46	MW46-0716	07/19/2016	N	<1	<1	<1	<1	<1	<1	<1	<1	**460**	<1	<1	<1	--	<1	<1	--
MW47	SAIA-MW47-0313	03/05/2013	N	<10	<10	<10	<10	<10	<10	<10	<10	**780**	<10	<10	<10	--	<10	<10	--
MW47	MW47-0314	03/24/2014	N	<4	<4	<4	<4	<4	<4	<4	<4	**700**	<4	<4	<4	--	<4	<4	--
MW47	MW47-0716	07/19/2016	N	<5	**3.2 J**	<5	<5	<5	<5	<5	<5	**490**	<5	<5	<5	--	<5	<5	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
MW48	SAIA-MW48-0313	03/06/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**29**	<0.5	**0.51**	<0.5	--	<0.5	<0.5	--
MW48	MW48-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**82**	<0.5	**0.87**	<0.5	--	<0.5	<0.5	--
MW48	MW48-0716	07/19/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**100**	<0.5	**0.88**	<0.5	--	<0.5	<0.5	--
MW49	SAIA-MW49-0313	03/06/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**51**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW49	MW49-0314	03/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**41**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW49	MW49-0716	07/15/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**49**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW49	MW149-0716	07/15/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**55**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
MW-4B	38053	06/14/2011	N	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	**4.3**	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
MW52	SAIA-MW52-0313	03/06/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**8.9**	<0.5	**0.3 J**	<0.5	--	<0.5	<0.5	--
MW52	MW52-0314	03/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**18**	<0.5	**0.96**	<0.5	--	<0.5	<0.5	--
MW52	MW952-0314	03/25/2014	FD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**16**	<0.5	**0.78**	<0.5	--	<0.5	<0.5	--
MW52	MW52-0716	07/19/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**15**	<0.5	**0.84**	<0.5	--	<0.5	<0.5	--
MW56	MW56-0314	03/26/2014	N	<2	<2	<2	<2	<2	<2	<2	<2	**450**	<2	<2	<2	--	<2	<2	--
MW56	MW56-0716	07/18/2016	N	<1	<1	<1	<1	<1	<1	<1	<1	**260**	<1	<1	<1	--	<1	<1	--
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	<1	<1	<1	<1	<1	<1	<1	<1	**220**	<1	<1	<1	--	<1	<1	--
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.66 J**	**480**	<0.5	**0.21 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**47**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**40**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**36**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**55**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**61**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.5**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.77 J**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.7**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.66 J**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**8**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**190**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**250**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	<100	<100	<100	<100	<100	<100	<100	<100	**3,300**	<100	<100	<100	--	<100	<100	--
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	<0.5	<0.5	**0.11 J**	<0.5	**0.045 J**	**0.41 J**	<0.5	<0.5	**6,900**	<0.5	**0.18 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	<25	<25	<25	<25	<25	<25	<25	<25	**3,900**	<25	<25	<25	--	<25	<25	--
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**59**	<0.5	**0.24 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**51**	<0.5	**0.22 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**14**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**15**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	<4	<4	<4	<4	<4	<4	<4	<4	**370**	<4	**1.6 J**	<4	--	<4	<4	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**560**	<0.5	**2.6**	<0.5	--	<0.5	<0.5	--
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**350**	<0.5	**2**	<0.5	--	<0.5	<0.5	--
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	<10	<10	<10	<10	<10	<10	<10	<10	**2,000**	<10	<10	<10	--	<10	<10	--
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2,500**	<0.5	**0.14 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2,400**	<0.5	**0.15 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**1,300**	<2.5	<2.5	<2.5	--	<2.5	<2.5	--
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**69**	<0.5	**0.24 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**51**	<0.5	**0.19 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**10**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	<2	<2	<2	<2	<2	<2	<2	<2	**360**	<2	**1.7 J**	<2	--	<2	<2	--
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**370**	<0.5	**1.9**	<0.5	--	<0.5	<0.5	--
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**270 J**	<0.5	**1.1**	<0.5	--	<0.5	<0.5	--
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**8.9**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**5.8**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.1**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	<25	<25	<25	<25	<25	<25	<25	<25	**7,000**	<25	<25	<25	--	<25	<25	--
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	<0.5	<0.5	**1.4**	<0.5	<0.5	<0.5	<0.5	<0.5	**9,100**	<0.5	**0.42 J**	<0.5	--	<0.5	**0.13 J**	--
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	<25	<25	<25	<25	<25	<25	<25	<25	**4,600**	<25	<25	<25	--	<25	<25	--
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**38**	<0.5	**0.16**	<0.5	--	<0.5	<0.5	--
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	<0.5	**0.12 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**37**	<0.5	**0.16**	<0.5	--	<0.5	<0.5	--
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	<0.5	<0.5	**0.13 J**	<0.5	<0.5	<0.5	<0.5	<0.5	**27**	<0.5	**0.14 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**49**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**4.7**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.72**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.16 J**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	<25	<25	<25	<25	<25	<25	<25	<25	**4,200**	<25	<25	<25	--	<25	<25	--
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	<0.5	<0.5	**1.3**	<0.5	<0.5	<0.5	<0.5	<0.5	**4,800**	<0.5	**0.17 J**	<0.5	--	<0.5	**0.034 J**	--
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	<0.5	<0.5	**1.2**	<0.5	<0.5	<0.5	<0.5	<0.5	**4,800**	<0.5	**0.17 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	<10	<10	<10	<10	<10	<10	<10	<10	**4,200**	<10	<10	<10	--	<10	<10	--
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	<10	<10	<10	<10	<10	<10	<10	<10	**910**	<10	<10	<10	--	<10	<10	--
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**910**	<0.5	**0.16 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	<2.5	**1.3 J**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**870**	<2.5	<2.5	<2.5	--	<2.5	<2.5	--
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	**530**	<5	<5	<5	--	<5	<5	--
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	<0.5	R	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**520**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**210**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**220**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	<25	<25	<25	<25	<25	<25	<25	<25	**3,100**	<25	<25	<25	--	<25	<25	--
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	<0.5	R	**0.96**	<0.5	<0.5	<0.5	<0.5	<0.5	**3,600**	<0.5	**0.16 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**2,100**	<2.5	<2.5	<2.5	--	<2.5	<2.5	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)														
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	<4	<4	<4	<4	<4	<4	<4	<4	**300**	<4	<4	<4	--	<4	<4	--
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**320**	<0.5	**0.15 J**	<0.5	--	<0.5	<0.5	--
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**95**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.9**	<0.5	**13**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**14**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**14**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**17**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	<0.5	R	**0.24 J**	<0.5	<0.5	<0.5	<0.5	<0.5	**21**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**17**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**16**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**17**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**57**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**73**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.83**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.9**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.2**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.2**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.3 J**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**52**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**18**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	<1	<1	<1	<1	<1	<1	<1	<1	**250**	<1	<1	<1	--	<1	<1	--
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	<1	<1	<1	<1	<1	<1	<1	<1	**310**	<1	<1	<1	--	<1	<1	--
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**500**	<0.5	<0.5	<0.5	--	<0.5	<0.5	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
Location ID	Sample ID	Sample Date	Sample Type	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	p-Cymene (p-Isopropyltoluene)	sec-Butylbenzene	Styrene	tert-Butyl Methyl Ether (MTBE)	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene
MW-2B	38051	06/13/2011	N	<0.5	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5
MW32	MW32-0716	07/13/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW32	MW132-0716	07/13/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW34	MW34-0314	03/26/2014	N	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	--	<2.5	--	--	<2.5	**1.8 J**	--	<2.5	<2.5
MW34	MW934-0314	03/26/2014	FD	<2	<2	<2	<2	<2	--	--	--	<2	--	--	<2	**1.5 J**	--	<2	<2
MW34	MW34-0716	07/12/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	**1.7**	--	<0.5	<0.5
MW35	MW35-0314	03/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW35	MW35-0716	07/12/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW42	SAIA-MW42-0313	03/05/2013	N	<40	<40	<40	<40	<40	--	--	--	<40	--	--	<40	<40	--	<40	<40
MW42	MW42-0314	03/26/2014	N	<10	<10	<10	<10	<10	--	--	--	<10	--	--	<10	<10	--	<10	<10
MW42	MW42-0716	07/12/2016	N	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	--	<2.5	--	--	<2.5	<2.5	--	<2.5	<2.5
MW43	SAIA-MW43-0313	03/05/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW43	MW43-0314	03/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW43	MW43-0716	07/12/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW44	MW44-0314	03/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW44	MW44-0716	07/12/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW45	SAIA-MW45-0313	03/05/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.16 J**
MW45	MW45-0314	03/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW45	MW45-0716	07/14/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW46	SAIA-MW46-0313	03/05/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.19 J**
MW46	SAIA-MW46-1313	03/05/2013	FD	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.16 J**
MW46	MW46-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW46	MW46-0716	07/19/2016	N	<1	<1	<1	<1	**1.1 J**	--	--	--	<1	--	--	<1	<1	--	<1	<1
MW47	SAIA-MW47-0313	03/05/2013	N	<10	<10	<10	<10	<10	--	--	--	<10	--	--	<10	<10	--	<10	<10
MW47	MW47-0314	03/24/2014	N	<4	<4	<4	<4	<4	--	--	--	<4	--	--	<4	<4	--	<4	<4
MW47	MW47-0716	07/19/2016	N	<5	<5	<5	<5	<5	--	--	--	<5	--	--	<5	<5	--	<5	<5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
MW48	SAIA-MW48-0313	03/06/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.21 J**
MW48	MW48-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW48	MW48-0716	07/19/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW49	SAIA-MW49-0313	03/06/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.19 J**
MW49	MW49-0314	03/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW49	MW49-0716	07/15/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW49	MW149-0716	07/15/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW-4B	38053	06/14/2011	N	<0.5	<1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5	<0.5
MW52	SAIA-MW52-0313	03/06/2013	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.13 J**
MW52	MW52-0314	03/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW52	MW952-0314	03/25/2014	FD	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW52	MW52-0716	07/19/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
MW56	MW56-0314	03/26/2014	N	<2	<2	<2	<2	<2	--	--	--	<2	--	--	<2	<2	--	<2	<2
MW56	MW56-0716	07/18/2016	N	<1	<1	<1	<1	<1	--	--	--	<1	--	--	<1	<1	--	<1	<1
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	<1	<1	<1	<1	<1	--	--	--	<1	--	--	<1	<1	--	<1	<1
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	**0.67**	--	<0.5	<0.5
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	**0.56**	--	<0.5	<0.5
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	**1.3**	--	<0.5	<0.5
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	**0.51**	--	<0.5	<0.5
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	<100	<100	<100	<100	<100	--	--	--	<100	--	--	<100	<100	--	<100	<100
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	**0.17 J**	<0.5	<0.5	**0.16 J**	<0.5	--	--	--	**0.1 J**	--	--	<0.5	<0.5	--	**0.42 J**	**0.51**
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	<25	<25	<25	<25	<25	--	--	--	<25	--	--	<25	<25	--	<25	<25
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	<4	<4	<4	<4	<4	--	--	--	<4	--	--	<4	<4	--	<4	<4

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	<0.5	<0.5	<0.5	**0.15 J**	<0.5	--	--	--	**0.057 J**	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	<10	<10	<10	<10	<10	--	--	--	<10	--	--	<10	<10	--	<10	<10
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	<0.5	<0.5	<0.5	**0.17 J**	<0.5	--	--	--	**0.083 J**	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	<0.5	<0.5	<0.5	**0.16 J**	<0.5	--	--	--	**0.087 J**	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	--	<2.5	--	--	<2.5	<2.5	--	<2.5	<2.5
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	<2	<2	<2	<2	<2	--	--	--	<2	--	--	<2	<2	--	<2	<2
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	<0.5	<0.5	<0.5	**0.14 J**	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.073**
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	**0.045 J**	<0.5	--	<0.5	**1.3**
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	<25	<25	<25	<25	<25	--	--	--	<25	--	--	<25	<25	--	<25	<25
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	**0.19 J**	<0.5	<0.5	**0.28 J**	<0.5	--	--	--	**0.032 J**	--	--	<0.5	<0.5	--	<0.5	**1.1**
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	<25	<25	<25	<25	<25	--	--	--	<25	--	--	<25	<25	--	<25	<25
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	<0.5	**0.05**	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	**0.036**	<0.5	--	<0.5	<0.5
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	<25	<25	<25	<25	<25	--	--	--	<25	--	--	<25	<25	--	<25	<25
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	<0.5	<0.5	<0.5	**0.19 J**	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	<0.5	<0.5	<0.5	**0.18 J**	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	<10	<10	<10	<10	<10	--	--	--	<10	--	--	<10	<10	--	<10	<10
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	<10	<10	<10	<10	<10	--	--	--	<10	--	--	<10	<10	--	<10	<10
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	<0.5	<0.5	<0.5	**0.074 J**	<0.5	--	--	--	<0.5	--	--	**0.074 J**	<0.5	--	<0.5	**1.1**
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	--	<2.5	--	--	<2.5	<2.5	--	<2.5	**1.3 J**
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	<5	<5	<5	<5	<5	--	--	--	<5	--	--	<5	<5	--	<5	**1.4 J**
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	<0.5	<0.5	<0.5	**0.09 J**	<0.5	--	--	--	<0.5	--	--	**0.041 J**	<0.5	--	<0.5	**0.77**
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	<25	<25	<25	<25	<25	--	--	--	<25	--	--	<25	<25	--	<25	**8.9 J**
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	<0.5	<0.5	<0.5	**0.22 J**	<0.5	--	--	--	<0.5	--	--	**0.055 J**	<0.5	--	<0.5	**1.2**
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	--	<2.5	--	--	<2.5	<2.5	--	<2.5	<2.5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)															
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	<4	<4	<4	<4	<4	--	--	--	<4	--	--	<4	<4	--	<4	<4
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	**0.24**	--	<0.5	<0.5
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	**0.034 J**	**0.19 J**	--	<0.5	**0.68**
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.069**
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	**0.048 J**	<0.5	--	<0.5	**0.99**
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	<0.5	**0.031**	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.075**
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	**0.18**
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	<1	<1	<1	<1	<1	--	--	--	<1	--	--	<1	<1	--	<1	<1
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	<1	<1	<1	<1	<1	--	--	--	<1	--	--	<1	<1	--	<1	<1
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	--	--	<0.5	<0.5	--	<0.5	<0.5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)					Perchlorates by E314.0 (in ug/L)	Semivolatiles by 8270SIM (in ug/L)	Semivolatiles by CSVOL12 (in ug/L)							
Location ID	Sample ID	Sample Date	Sample Type	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	Perchlorate	1,4-Dioxane (p-Dioxane)	1,2,4,5-Tetrachlorobenzene	1,4-Dioxane (p-Dioxane)	2,3,4,6-Tetrachlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol
MW-2B	38051	06/13/2011	N	**0.9**	<0.5	**13**	<0.5	**1.1**	--	--	--	**9.8**	--	--	--	--	--	--
MW32	MW32-0716	07/13/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
MW32	MW132-0716	07/13/2016	FD	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
MW34	MW34-0314	03/26/2014	N	**25**	<2.5	**45**	<2.5	<2.5	<0.3	**1.3**	<5	--	<5	<5	<5	<5	<5	<10
MW34	MW934-0314	03/26/2014	FD	**20**	<2	**38**	<2	<2	<0.3	**1.5**	<5	--	<5	<5	<5	<5	<5	<10
MW34	MW34-0716	07/12/2016	N	**9.9**	<0.5	**4.5**	<0.5	**0.81**	--	<0.5	--	--	--	--	--	--	--	--
MW35	MW35-0314	03/26/2014	N	**5.5**	<0.5	**6.9**	<0.5	<0.5	--	**2.3**	<5	--	<5	<5	<5	<5	<5	<10
MW35	MW35-0716	07/12/2016	N	**15**	<0.5	**3.5**	<0.5	<0.5	--	**19**	--	--	--	--	--	--	--	--
MW42	SAIA-MW42-0313	03/05/2013	N	**51**	<40	**220**	<40	<40	--	**15**	--	--	--	--	--	--	--	--
MW42	MW42-0314	03/26/2014	N	**75**	<10	**390 J**	<10	<10	<0.3	**24**	<5	--	<5	<5	<5	<5	<5	<10
MW42	MW42-0716	07/12/2016	N	**40 J**	<2.5	**32**	<2.5	<2.5	--	**47**	--	--	--	--	--	--	--	--
MW43	SAIA-MW43-0313	03/05/2013	N	**1.9**	<0.5	**36**	<0.5	<0.5	--	**5.7**	--	--	--	--	--	--	--	--
MW43	MW43-0314	03/26/2014	N	**1.4**	<0.5	**8.6**	<0.5	<0.5	<0.3	**2.8**	<5	--	<5	<5	<5	<5	<5	<10
MW43	MW43-0716	07/12/2016	N	**3**	<0.5	**5.4**	<0.5	**1**	--	**4**	--	--	--	--	--	--	--	--
MW44	MW44-0314	03/26/2014	N	**1.5**	<0.5	**2.9**	<0.5	<0.5	<0.3	**2.8**	<5	--	<5	<5	<5	<5	<5	<10
MW44	MW44-0716	07/12/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	**8.2**	--	--	--	--	--	--	--	--
MW45	SAIA-MW45-0313	03/05/2013	N	**4**	<0.5	**6.9**	<0.5	<0.5	--	**1.4**	--	--	--	--	--	--	--	--
MW45	MW45-0314	03/25/2014	N	**3.7**	<0.5	**2.2**	<0.5	<0.5	--	--	<5	**2.1**	<5	<5	<5	<5	<5	<10
MW45	MW45-0716	07/14/2016	N	**5.8**	<0.5	**1.6**	<0.5	<0.5	--	**3.5**	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-0313	03/05/2013	N	**2.9**	<0.5	**4.5**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-1313	03/05/2013	FD	**2.7**	<0.5	**4.4**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
MW46	MW46-0314	03/24/2014	N	**3.7 J**	<0.5	**8.6 J**	<0.5	<0.5	--	--	<5	<0.5	<5	<5	<5	<5	<5	<10
MW46	MW46-0716	07/19/2016	N	**37**	<1	**57**	<1	<1	--	**3.5**	--	--	--	--	--	--	--	--
MW47	SAIA-MW47-0313	03/05/2013	N	**49**	<10	**36**	<10	<10	--	**1**	--	--	--	--	--	--	--	--
MW47	MW47-0314	03/24/2014	N	**47**	<4	**14**	<4	<4	--	--	<5	**1.8**	<5	<5	<5	<5	<5	<10
MW47	MW47-0716	07/19/2016	N	**30**	<5	**5.4**	<5	<5	--	**6.2**	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)					Perchlorates by E314.0 (in ug/L)	Semivolatiles by 8270SIM (in ug/L)	Semivolatiles by CSVOL12 (in ug/L)							
MW48	SAIA-MW48-0313	03/06/2013	N	**3.1**	<0.5	**17**	<0.5	<0.5	--	**5.5**	--	--	--	--	--	--	--	--
MW48	MW48-0314	03/24/2014	N	**5.5**	<0.5	**29**	<0.5	<0.5	--	--	<5	**8.7**	<5	<5	<5	<5	<5	<10
MW48	MW48-0716	07/19/2016	N	**6.3**	<0.5	**1.3**	<0.5	**1.1**	--	**13**	--	--	--	--	--	--	--	--
MW49	SAIA-MW49-0313	03/06/2013	N	**3.9**	<0.5	**3.4**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
MW49	MW49-0314	03/26/2014	N	**3.4**	<0.5	**2.9**	<0.5	<0.5	--	<0.5	<5	--	<5	<5	<5	<5	<5	<10
MW49	MW49-0716	07/15/2016	N	**6.3**	<0.5	**1.6**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
MW49	MW149-0716	07/15/2016	FD	**5.9**	<0.5	**1.6**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
MW-4B	38053	06/14/2011	N	**1.1**	<0.5	**2.2**	<0.5	<0.5	--	--	--	<2	--	--	--	--	--	--
MW52	SAIA-MW52-0313	03/06/2013	N	**2**	<0.5	**2.5**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
MW52	MW52-0314	03/25/2014	N	**5**	<0.5	**6.1**	<0.5	<0.5	--	--	<5	<0.5	<5	<5	<5	<5	<5	<10
MW52	MW952-0314	03/25/2014	FD	**4.2**	<0.5	**5.6**	<0.5	<0.5	--	--	<5	<0.5	<5	<5	<5	<5	<5	<10
MW52	MW52-0716	07/19/2016	N	**6.2**	<0.5	**5.6**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
MW56	MW56-0314	03/26/2014	N	**15**	<2	**290**	<2	<2	--	<0.5	<5	--	<5	<5	<5	<5	<5	<10
MW56	MW56-0716	07/18/2016	N	**15**	<1	**74**	<1	<1	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	**14**	<1	**0.93 J**	<1	<1	--	**0.72**	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	**19 J**	<0.5	**1.4**	<0.5	**0.67**	--	**1.1 J**	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	**6.1**	<0.5	**16**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	**3.7**	<0.5	**15**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	**6.7**	<0.5	**11**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	**7.2**	<0.5	**11**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	**6.4**	<0.5	**9.4**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	**0.2 J**	<0.5	**0.63**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	**0.35 J**	<0.5	**0.97**	<0.5	<0.5	--	**0.72 J**	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	**0.73**	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	**0.42 J**	<0.5	**1.6**	<0.5	<0.5	--	**1 J**	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	**0.67**	<0.5	**1.5**	<0.5	<0.5	--	**0.48 J**	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	**29**	<0.5	**1.5**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	**32**	<0.5	**2**	<0.5	**0.36 J**	--	**0.22 J**	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	**71 J**	<100	**7,400 J**	<100	<100	<0.3	--	<5	**1.7 J**	<5	<5	<5	<5	<5	<10
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	**96 J**	<0.5	**4,800**	<0.5	<360	--	**1.4**	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	**160**	<25	**1,500**	<25	<25	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	**4.6**	<0.5	**17**	<0.5	<0.5	<0.3	--	<5	**1.9**	<5	<5	<5	<5	<5	<10
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	**4.6**	<0.5	**4.3 J**	<0.5	<0.5	--	**2.6**	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	**2**	<0.5	**0.84**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	**2.5**	<0.5	**0.82**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	**34**	<4	**420 J**	<4	<4	<0.3	--	<5	**18**	<5	<5	<5	<5	<5	<10

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)					Perchlorates by E314.0 (in ug/L)	Semivolatiles by 8270SIM (in ug/L)	Semivolatiles by CSVOL12 (in ug/L)							
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	**47**	<0.5	**210**	<0.5	**1.4**	--	**22**	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	**27**	<0.5	**4.4**	<0.5	**18**	--	**7.3**	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	**74**	<10	**1,100 J**	<10	<10	<0.3	--	<5	**12**	<5	<5	<5	<5	<5	<10
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	**110 J**	<0.5	**1,300**	<0.5	**5.5**	--	**16**	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	**120 J**	<0.5	**1,300**	<0.5	**5.3**	--	**15**	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	**85**	<2.5	**120**	<2.5	<2.5	--	**5.3**	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	**7.2**	<0.5	**6.8 J**	<0.5	<0.5	<0.3	--	<5	**1.7**	<5	<5	<5	<5	<5	<10
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	**5.9**	<0.5	**2.8**	<0.5	**0.75**	--	**1.3**	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	**1.5**	<0.5	**0.57**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	**28**	<2	**260 J**	<2	<2	<0.3	--	<5	**14**	<5	<5	<5	<5	<5	<10
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	**33**	<0.5	**200**	<0.5	**3.3**	--	**20**	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	**19 J**	<0.5	**4.7**	<0.5	**0.87**	--	**15**	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	**0.2**	<0.5	**9.2 J**	<0.5	<0.5	--	--	<5	<0.5	<5	<5	<5	<5	<5	<10
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	**0.15 J**	<0.5	**3.6**	<0.5	<0.5	--	<0.46	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	<0.5	<0.5	**0.29 J**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	**120**	<25	**6,700**	<25	<25	--	--	<5	**110 J**	<5	<5	<5	<5	<5	<10
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	**230 J**	<0.5	**6,600**	<0.5	**47**	--	**86**	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	**340**	<25	**3,500**	<25	<25	--	**3.9**	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	**2.5**	<0.5	**2.1**	<0.5	<0.5	--	--	<5	**1.5**	<5	<5	<5	<5	<5	<10
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	**2.5**	<0.5	**2**	<0.5	<0.5	--	--	<5	**1.6**	<5	<5	<5	<5	<5	<10
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	**2.6**	<0.5	**6**	<0.5	**6.1**	--	<0.46	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	**5.4**	<0.5	**5.7**	<0.5	<0.5	--	**6.1**	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	**0.19**	<0.5	**0.53**	<0.5	<0.5	--	--	<5	**1.6**	<5	<5	<5	<5	<5	<10
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	<0.5	<0.5	**0.19 J**	<0.5	<0.5	--	**1.8**	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	**130**	<25	**790**	<25	<25	--	--	<5	**58**	<5	<5	<5	<5	<5	<10
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	**180 J**	<0.5	**150 J**	<0.5	**6.5**	--	**60**	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	**180 J**	<0.5	**150 J**	<0.5	**6.5**	--	**59 J**	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	**210**	<10	**6.6 J**	<10	<10	--	**62 J**	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	**53**	<10	**3.9 J**	<10	<10	--	--	<5	**14**	<5	<5	<5	<5	<5	<10
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	**73**	<0.5	**3.4**	<0.5	**11**	--	**11 J**	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	**120**	<2.5	**2.7**	<2.5	**45**	--	**7.7**	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	**21**	<5	**1.8 J**	<5	<5	--	--	<5	**2.4**	<5	<5	<5	<5	<5	<10
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	**24 J**	<0.5	**1.9**	<0.5	**0.72**	--	**2.3**	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	**19**	<0.5	**1.3**	<0.5	<0.5	--	**1**	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	**17**	<0.5	**1.2**	<0.5	<0.5	--	**1.3**	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	**98**	<25	**380**	<25	<25	--	--	<5	**16**	<5	<5	<5	<5	<5	<10
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	**120 J**	<0.5	**99 J**	<0.5	**4.5**	--	**23**	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	**79**	<2.5	**3**	<2.5	**20**	--	**30 J**	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/L)					Perchlorates by E314.0 (in ug/L)	Semivolatiles by 8270SIM (in ug/L)	Semivolatiles by CSVOL12 (in ug/L)							
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	**21**	<4	**6.5**	<4	<4	--	**3.4**	<5	--	<5	<5	<5	<5	<5	<10
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	**25**	<0.5	**4.8**	<0.5	<0.5	--	**3.2**	--	--	--	--	--	--	--	--
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	**11**	<0.5	**1.6**	<0.5	<0.5	--	**2.4**	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	<0.5	<0.5	**0.087**	<0.5	<0.5	--	--	<5	**0.52**	<5	<5	<5	<5	<5	<10
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	**0.53**	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	**3.9**	<0.5	**3.7**	<0.5	<0.5	--	--	<5	<0.5	<5	<5	<5	<5	<5	<10
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	**5.1**	<0.5	**3.6**	<0.5	<0.5	--	**0.26 J**	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	**3.7**	<0.5	**2.7**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	**2.3**	<0.5	**2**	<0.5	<0.5	--	--	<5	**0.52**	<5	<5	<5	<5	<5	<10
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	**2.8**	<0.5	**2.4**	<0.5	<0.5	--	**0.52**	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	**2.9**	<0.5	**2**	<0.5	**1.2**	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	**1.1**	<0.5	**24 J**	<0.5	<0.5	<0.3	--	<5	**1.9**	<5	<5	<5	<5	<5	<10
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	**1.1**	<0.5	**22 J**	<0.5	<0.5	<0.3	--	<5	**2**	<5	<5	<5	<5	<5	<10
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	**2.5**	<0.5	**22**	<0.5	**1.3**	--	**3.6**	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	**4.8**	<0.5	**19**	<0.5	<0.5	--	**7.9**	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	**0.08**	<0.5	**0.53**	<0.5	<0.5	--	--	<5	<0.5	<5	<5	<5	<5	<5	<10
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	**0.2 J**	<0.5	**3.9**	<0.5	<0.5	--	**0.16 J**	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	**0.31 J**	<0.5	**1.3**	<0.5	<0.5	--	<0.5	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	**0.13 J**	<0.5	<0.5	<0.5	<0.5	--	**7.5**	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	<0.5	<0.5	<0.5	<0.5	<0.5	--	**5.5 J**	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	**5.5**	<0.5	**0.91**	<0.5	<0.5	--	**1.2**	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	**1.4**	<0.5	**1.4**	<0.5	<0.5	--	**1 J**	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	**22**	<1	**0.7 J**	<1	<1	--	**3.6**	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	**22**	<1	**0.74 J**	<1	<1	--	**1.7**	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	**35**	<0.5	**0.79**	<0.5	**0.71**	--	**2.1 J**	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Semivolatiles by CSVOL12 (in ug/L)															
Location ID	Sample ID	Sample Date	Sample Type	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Chloronaphthalene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	2-Nitroaniline	2-Nitrophenol	3,3'-Dichlorobenzidine	3-Nitroaniline	4,6-Dinitro-2-Methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-Methylphenol	4-Chloroaniline	4-Chlorophenyl Phenyl Ether	4-Methylphenol (p-Cresol)
MW-2B	38051	06/13/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW32-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW132-0716	07/13/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW34	MW34-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW34	MW934-0314	03/26/2014	FD	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW34	MW34-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW35	MW35-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW35	MW35-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	SAIA-MW42-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	MW42-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW42	MW42-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	SAIA-MW43-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	MW43-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW43	MW43-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW44	MW44-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW44	MW44-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	SAIA-MW45-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	MW45-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW45	MW45-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-1313	03/05/2013	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	MW46-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW46	MW46-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	SAIA-MW47-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	MW47-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW47	MW47-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Semivolatiles by CSVOL12 (in ug/L)															
MW48	SAIA-MW48-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW48	MW48-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW48	MW48-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	SAIA-MW49-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW49-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW49	MW49-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW149-0716	07/15/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4B	38053	06/14/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	SAIA-MW52-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	MW52-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW52	MW952-0314	03/25/2014	FD	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW52	MW52-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW56	MW56-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
MW56	MW56-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Semivolatiles by CSVOL12 (in ug/L)															
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Semivolatiles by CSVOL12 (in ug/L)															
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)														
Location ID	Sample ID	Sample Date	Sample Type	4-Nitroaniline	4-Nitrophenol	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzaldehyde	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzyl butyl phthalate	Biphenyl (Diphenyl)	bis(2-Chloroethoxy) Methane
MW-2B	38051	06/13/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW32-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW132-0716	07/13/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW34	MW34-0314	03/26/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW34	MW934-0314	03/26/2014	FD	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW34	MW34-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW35	MW35-0314	03/26/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW35	MW35-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	SAIA-MW42-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	MW42-0314	03/26/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW42	MW42-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	SAIA-MW43-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	MW43-0314	03/26/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW43	MW43-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW44	MW44-0314	03/26/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW44	MW44-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	SAIA-MW45-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	MW45-0314	03/25/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW45	MW45-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-1313	03/05/2013	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	MW46-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW46	MW46-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	SAIA-MW47-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	MW47-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW47	MW47-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)														
MW48	SAIA-MW48-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW48	MW48-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW48	MW48-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	SAIA-MW49-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW49-0314	03/26/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW49	MW49-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW149-0716	07/15/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4B	38053	06/14/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	SAIA-MW52-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	MW52-0314	03/25/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW52	MW952-0314	03/25/2014	FD	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW52	MW52-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW56	MW56-0314	03/26/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW56	MW56-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)														
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)														
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)														
Location ID	Sample ID	Sample Date	Sample Type	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	bis(2-Chloroisopropyl) Ether	bis(2-Ethylhexyl) Phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Diethyl Phthalate	Dimethyl Phthalate	Di-n-Butyl Phthalate	Di-n-Octylphthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene
MW-2B	38051	06/13/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW32-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW132-0716	07/13/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW34	MW34-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW34	MW934-0314	03/26/2014	FD	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW34	MW34-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW35	MW35-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW35	MW35-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	SAIA-MW42-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	MW42-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW42	MW42-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	SAIA-MW43-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	MW43-0314	03/26/2014	N	<5	<5	**3.4 J**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW43	MW43-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW44	MW44-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW44	MW44-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	SAIA-MW45-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	MW45-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW45	MW45-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-1313	03/05/2013	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	MW46-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW46	MW46-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	SAIA-MW47-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	MW47-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW47	MW47-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)														
MW48	SAIA-MW48-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW48	MW48-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW48	MW48-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	SAIA-MW49-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW49-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW49	MW49-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW149-0716	07/15/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4B	38053	06/14/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	SAIA-MW52-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	MW52-0314	03/25/2014	N	<5	<5	**2.3**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW52	MW952-0314	03/25/2014	FD	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW52	MW52-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW56	MW56-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW56	MW56-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	<5	<5	<5	<5	**7.1**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)														
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)														
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)											Metals by E200.7 (in ug/L)			
Location ID	Sample ID	Sample Date	Sample Type	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(1,2,3-c,d)pyrene	Isophorone	Naphthalene	Nitrobenzene	n-Nitrosodi-n-propylamine	n-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Calcium	Iron	Magnesium	Potassium
MW-2B	38051	06/13/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW32-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW132-0716	07/13/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW34	MW34-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**126,000**	**1,340**	**40,300**	<5000
MW34	MW934-0314	03/26/2014	FD	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**126,000**	**1,250**	**40,500**	<5000
MW34	MW34-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW35	MW35-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**580,000**	**4,340**	**214,000**	**7,670**
MW35	MW35-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	SAIA-MW42-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	MW42-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**210,000**	**58,100**	**75,500**	**11,700**
MW42	MW42-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	SAIA-MW43-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	MW43-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**457,000**	**4,780**	**167,000**	**5,710**
MW43	MW43-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW44	MW44-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**493,000**	**4,860**	**204,000**	**7,170**
MW44	MW44-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	SAIA-MW45-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	MW45-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**339,000**	**2,430**	**111,000**	**3,700 J**
MW45	MW45-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-1313	03/05/2013	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	MW46-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**126,000**	**1,050**	**42,600**	**6,800**
MW46	MW46-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	SAIA-MW47-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	MW47-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**143,000**	**1,210**	**43,000**	**2,860 J**
MW47	MW47-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)											Metals by E200.7 (in ug/L)			
MW48	SAIA-MW48-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW48	MW48-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**395,000**	**2,350**	**131,000**	**4,440 J**
MW48	MW48-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	SAIA-MW49-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW49-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**433,000**	**5,640**	**177,000**	**9,470**
MW49	MW49-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW149-0716	07/15/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4B	38053	06/14/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	SAIA-MW52-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	MW52-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**395,000**	**3,710**	**142,000**	**5,750**
MW52	MW952-0314	03/25/2014	FD	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**395,000**	**3,740**	**142,000**	**5,740**
MW52	MW52-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW56	MW56-0314	03/26/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**178,000**	**1,870**	**43,000**	<5000
MW56	MW56-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**105,000**	**2,700**	**38,600**	**7,630 J**
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**421,000**	**3,350**	**147,000**	<5000
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**467,000**	**4,970**	**142,000**	**7,160**

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)											Metals by E200.7 (in ug/L)			
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**122,000**	**883**	**35,800**	<5000
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**398,000**	**2,880**	**136,000**	<5000
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**457,000**	**3,220**	**153,000**	**5,770**
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**238,000**	**12,900**	**68,900**	**7,740**
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**141,000**	**540**	**42,400**	**4,230 J**
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**497,000**	**3,710**	**154,000**	**6,850**
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**499,000**	**3,490**	**155,000**	**6,750**
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**170,000**	**2,170**	**55,400**	**6,150**
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**177,000**	**803**	**48,700**	**4,640 J**
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**348,000**	**2,160**	**100,000**	**5,210**
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**330,000**	**3,440**	**110,000**	**9,010**
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**276,000**	**2,520**	**87,800**	**4,900 J**
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Semivolatiles by CSVOL12 (in ug/L)											Metals by E200.7 (in ug/L)			
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**507,000**	**1,820**	**147,000**	**7,330**
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**31,800**	**12,300**	**13,300**	**4,000 J**
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**408,000**	**1,600**	**110,000**	**12,400**
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**499,000**	**2,270**	**130,000**	**8,710**
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**714,000**	**1,370**	**166,000**	**5,930 J**
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**737,000**	**419**	**171,000**	**5,850 J**
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5	**374,000**	**874**	**80,500**	**5,180**
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Metals by E200.8 (in ug/L)														
Location ID	Sample ID	Sample Date	Sample Type	Sodium	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium
MW-2B	38051	06/13/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW32-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW132-0716	07/13/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW34	MW34-0314	03/26/2014	N	**374,000**	<20	<2	**100**	**52.6**	<1	<1	**7.5 J**	**11.3**	**1.4 J**	**0.64 J**	**816**	**4.3 J**	**2.3 J**	**0.06 J**	<1
MW34	MW934-0314	03/26/2014	FD	**373,000**	<20	<2	**102**	**54.6**	<1	<1	**5 J**	**11.5**	**2.7**	**0.62 J**	**844**	**3.9 J**	**1.6 J**	**0.073 J**	<1
MW34	MW34-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW35	MW35-0314	03/26/2014	N	**842,000**	**79.8**	<2	**22.5**	**28.9**	<1	**1.3**	**5.2 J**	**48.7**	**2.9**	**1.3**	**4,340**	**5 J**	**1.7 J**	**0.12 J**	<1
MW35	MW35-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	SAIA-MW42-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	MW42-0314	03/26/2014	N	**221,000**	**31,300**	<2	**78.3**	**457**	**0.75 J**	**1.3**	**79.1**	**43.9**	**57.5**	**20.3**	**2,120**	**73.4**	<10	**0.14 J**	<1
MW42	MW42-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	SAIA-MW43-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	MW43-0314	03/26/2014	N	**673,000**	**1,150**	<2	**31.2**	**46.2**	<2	**0.38 J**	**24.7 J**	**40.1**	**5.6**	**1.3**	**3,830**	**20**	<10	**0.096 J**	**0.08 J**
MW43	MW43-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW44	MW44-0314	03/26/2014	N	**909,000**	**136**	<2	**31.6**	**23.8**	<2	<1	**9.5 J**	**44.3**	**2.4 J**	**0.37 J**	**4,330**	**7.2 J**	<10	**0.1 J**	<1
MW44	MW44-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	SAIA-MW45-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	MW45-0314	03/25/2014	N	**201,000**	**268**	<2	**21.6**	**41.2**	<1	**0.28 J**	**12.7**	**0.65 J**	**2.7**	**1.6**	**1,940**	**10.9**	<5	**0.048 J**	<1
MW45	MW45-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-1313	03/05/2013	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	MW46-0314	03/24/2014	N	**439,000**	**57.3**	<2	**50**	**42.3**	<1	**0.17 J**	**3.8**	**0.25 J**	**7.3**	**0.43 J**	**764**	**3.1**	<5	**0.088 J**	<1
MW46	MW46-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	SAIA-MW47-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	MW47-0314	03/24/2014	N	**199,000**	**303**	<2	**34**	**50.1**	<1	<1	**5**	**0.52 J**	**2.4**	**1.2**	**1,040**	**4.3**	<5	**0.057 J**	<1
MW47	MW47-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Metals by E200.8 (in ug/L)														
MW48	SAIA-MW48-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW48	MW48-0314	03/24/2014	N	**241,000**	<20	<2	**24.2**	**44**	<1	**0.5 J**	**3.6**	**0.3 J**	**2.2**	**0.33 J**	**2,550**	**4.4**	<5	**0.076 J**	<1
MW48	MW48-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	SAIA-MW49-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW49-0314	03/26/2014	N	**754,000**	**618**	<2	**66.5**	**37.6**	<2	**0.12 J**	**67.9**	**43.4**	**8.2**	**0.69 J**	**3,930**	**145**	<10	**0.14 J**	<1
MW49	MW49-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW149-0716	07/15/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4B	38053	06/14/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	SAIA-MW52-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	MW52-0314	03/25/2014	N	**340,000**	**52.9**	<2	**26.8**	**46.8**	<1	<1	**5.1**	**0.68 J**	**2.4**	**0.8 J**	**3,520**	**5**	<5	**0.061 J**	<1
MW52	MW952-0314	03/25/2014	FD	**340,000**	**83.5**	<2	**23.3**	**45.8**	<1	<1	**7.6**	**0.72 J**	**2.6**	**0.41 J**	**3,370**	**4.7**	<5	**0.076 J**	<1
MW52	MW52-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW56	MW56-0314	03/26/2014	N	**190,000**	**407**	<2	**24.2**	**80.5**	<2	<1	**4.9 J**	**15.3**	**2.4 J**	**0.73 J**	**1,350**	**4.5 J**	<10	<1	<1
MW56	MW56-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	**163,000**	**1,330**	<2	**16.1**	**95.1**	<2	<1	**20.5 J**	**10.7**	**5.4**	**1.6**	**480**	**12.7 J**	<10	**0.15 J**	<1
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	**358,000**	**366**	<2	**23.8**	**67.4**	<2	<1	**7.1 J**	**37.7**	**2 J**	**0.57 J**	**2,510**	**7.8 J**	<10	<1	<1
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	**839,000**	**176**	<2	**7.4**	**37**	<2	<1	**12.5 J**	**41.9**	**2.3 J**	**1**	**3,240**	**8.7 J**	**0.99 J**	**0.081 J**	**0.082 J**

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Metals by E200.8 (in ug/L)														
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	**177,000**	**349**	<2	**29.6**	**129**	<2	<1	**5.6 J**	**11.3**	**2.4 J**	**1.3**	**674**	**4.7 J**	**0.6 J**	<1	<1
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	**285,000**	**88.2**	<2	**24.9**	**44.5**	<2	<1	**4.2 J**	**34.6**	**7.7**	**2.7**	**2,290**	**4.5 J**	<10	<1	<1
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	**666,000**	**182**	<2	**21.8**	**30.4**	<2	<1	**4.2 J**	**43.1**	**2 J**	**0.38 J**	**3,370**	**4.7 J**	**1.1 J**	**0.069 J**	<1
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	**156,000**	**8,320**	<2	**41.7**	**147**	**0.36 J**	**0.1 J**	**20.2**	**6.7**	**21.9**	**6.2**	**1,430**	**16.7**	**5.1**	**0.21 J**	<1
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	**160,000**	**108**	<2	**18.6**	**43**	<1	<1	**8.2**	**0.74 J**	**2.1**	**0.62 J**	**766**	**5.6**	<5	**0.078 J**	<1
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	**308,000**	**235**	<2	**6.4**	**59.8**	<1	<1	**7.8**	**0.62 J**	**3**	**0.75 J**	**3,050**	**7.5**	<5	**0.052 J**	<1
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	**307,000**	**161**	<2	**6.4**	**58.1**	<1	<1	**8.4**	**0.56 J**	**2.6**	**0.46 J**	**2,970**	**7**	<5	**0.066 J**	<1
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	**263,000**	**980**	<2	**47.3**	**96.6**	<1	<1	**8.6**	**1.1**	**4.5**	**0.94 J**	**1,080**	**6.9**	**6.6**	<1	<1
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	**162,000**	**157**	<2	**16.9**	**36.1**	<1	<1	**6.7**	**0.5 J**	**2.1**	**0.59 J**	**957**	**3.7**	<5	**0.11 J**	<1
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	**280,000**	**382**	<2	**8.3**	**45.1**	<1	<1	**9**	**0.8 J**	**2.5**	**0.8 J**	**2,420**	**7.9**	<5	<1	<1
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	**366,000**	**1,340**	<2	**15.7**	**62**	<1	<1	**19**	**2.5**	**8.2**	**1.8**	**2,250**	**14**	<5	**0.08 J**	<1
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	**337,000**	**611**	<2	**18.1**	**47.2**	<1	<1	**14.2**	**1.2**	**4.9**	**1**	**1,930**	**10.7**	<5	**0.089 J**	<1
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Metals by E200.8 (in ug/L)													
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	**299,000**	**297**	<2	**4.9**	**51.5**	<1	<1	**6.3**	**1.1**	**3.1**	**0.68 J**	**3,050**	**7.5**	<5	**0.055 J**	<1
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	**255,000**	**7,550**	<2	**16**	**112**	**0.36 J**	**0.15 J**	**27.1**	**6.7**	**29.4**	**7.4**	**454**	**22.4**	<5	**0.21 J**	<1
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	**719,000**	**415**	<2	**5.9**	**49.1**	<1	<1	**10.7**	**0.73 J**	**4.6**	**0.45 J**	**1,800**	**7**	**12**	**0.049 J**	<1
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	**492,000**	**237**	<2	**4.2**	**52.5**	<1	<1	**18.6**	**0.86 J**	**3.5**	**2**	**2,300**	**13.8**	**12.3**	**0.071 J**	<1
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	**359,000**	**927**	<2	**4.7**	**92.1**	<2	**0.17 J**	**12.2 J**	**63.8**	**4.9**	**1.6**	**3,550**	**18.9 J**	<10	<1	<1
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	**368,000**	**302**	<2	**3.3**	**62.4**	<1	<1	**3.2 J**	**59.4**	**2.3**	**0.74 J**	**3,530**	**6.7 J**	<5	**0.06 J**	<1
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	**142,000**	**178**	<2	**8.9**	**82.6**	<1	<1	**8.4**	**0.54 J**	**2.3**	**0.83 J**	**703**	**5.5**	<5	**0.27 J**	<1
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Metals by E200.8 (in ug/L)	Metals by SW7470A (in ug/L)	PCBs by SW8082 (in ug/L)									Alkalinity by A2320 (in ug/L)			
Location ID	Sample ID	Sample Date	Sample Type	Vanadium	Zinc	Mercury	PCB-1016 (Arochlor 1016)	PCB-1221 (Arochlor 1221)	PCB-1232 (Arochlor 1232)	PCB-1242 (Arochlor 1242)	PCB-1248 (Arochlor 1248)	PCB-1254 (Arochlor 1254)	PCB-1260 (Arochlor 1260)	PCB-1262 (Arochlor 1262)	PCB-1268 (Arochlor 1268)	Alkalinity, Bicarbonate (as CaCO3)	Alkalinity, Carbonate (as CaCO3)	Alkalinity, Hydroxide (as CaCO3)	Alkalinity, Total (as CaCO3)
MW-2B	38051	06/13/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW32-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW32	MW132-0716	07/13/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW34	MW34-0314	03/26/2014	N	<5	**5.4 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**930,000**	<10000	<10000	**930,000**
MW34	MW934-0314	03/26/2014	FD	<5	**6.2 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**900,000**	<10000	<10000	**900,000**
MW34	MW34-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW35	MW35-0314	03/26/2014	N	<5	**17.2 J**	<0.2	--	--	--	--	--	--	--	--	--	**670,000**	<10000	<10000	**670,000**
MW35	MW35-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	SAIA-MW42-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW42	MW42-0314	03/26/2014	N	**53.5 J**	**157**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**860,000**	<10000	<10000	**860,000**
MW42	MW42-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	SAIA-MW43-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW43	MW43-0314	03/26/2014	N	<10	**10.9 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**690,000**	<10000	<10000	**690,000**
MW43	MW43-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW44	MW44-0314	03/26/2014	N	<10	**11.1 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**640,000**	<10000	<10000	**640,000**
MW44	MW44-0716	07/12/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	SAIA-MW45-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW45	MW45-0314	03/25/2014	N	<5	**12.8**	<0.2	--	--	--	--	--	--	--	--	--	**580,000**	<10000	<10000	**580,000**
MW45	MW45-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	SAIA-MW46-1313	03/05/2013	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW46	MW46-0314	03/24/2014	N	<5	**18.8**	<0.2	--	--	--	--	--	--	--	--	--	**830,000**	**16,000**	<10000	**850,000**
MW46	MW46-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	SAIA-MW47-0313	03/05/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW47	MW47-0314	03/24/2014	N	<5	**11.5**	<0.2	--	--	--	--	--	--	--	--	--	**670,000**	<10000	<10000	**670,000**
MW47	MW47-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Metals by E200.8 (in ug/L)	Metals by SW7470A (in ug/L)	PCBs by SW8082 (in ug/L)									Alkalinity by A2320 (in ug/L)			
MW48	SAIA-MW48-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW48	MW48-0314	03/24/2014	N	<5	**12.8**	<0.2	--	--	--	--	--	--	--	--	--	**670,000**	<10000	<10000	**670,000**
MW48	MW48-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	SAIA-MW49-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW49-0314	03/26/2014	N	<10	**10.8 J**	<0.2	--	--	--	--	--	--	--	--	--	**890,000**	<10000	<10000	**890,000**
MW49	MW49-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW49	MW149-0716	07/15/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4B	38053	06/14/2011	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	SAIA-MW52-0313	03/06/2013	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW52	MW52-0314	03/25/2014	N	<5	**11**	<0.2	--	--	--	--	--	--	--	--	--	**760,000**	<10000	<10000	**760,000**
MW52	MW952-0314	03/25/2014	FD	<5	**9.1**	<0.2	--	--	--	--	--	--	--	--	--	**780,000**	<10000	<10000	**780,000**
MW52	MW52-0716	07/19/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW56	MW56-0314	03/26/2014	N	<10	**6.7 J**	<0.2	--	--	--	--	--	--	--	--	--	**610,000**	<10000	<10000	**610,000**
MW56	MW56-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	<10	**14.6 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**600,000**	<10000	<10000	**600,000**
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	<10	**6.1 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**610,000**	<10000	<10000	**610,000**
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	<10	**6.4 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**740,000**	<10000	<10000	**740,000**

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Metals by E200.8 (in ug/L)	Metals by SW7470A (in ug/L)	PCBs by SW8082 (in ug/L)									Alkalinity by A2320 (in ug/L)			
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	<10	**13.3 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**780,000**	<10000	<10000	**780,000**
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	<10	**9.4 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**490,000**	<10000	<10000	**490,000**
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	<10	**7.4 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**700,000**	<10000	<10000	**700,000**
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	**21.7**	**42**	<0.2	--	--	--	--	--	--	--	--	--	**680,000**	<10000	<10000	**680,000**
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	<5	**26**	<0.2	--	--	--	--	--	--	--	--	--	**590,000**	<10000	<10000	**590,000**
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	<5	**14.2**	<0.2	--	--	--	--	--	--	--	--	--	**510,000**	<10000	<10000	**510,000**
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	<5	**8.7**	<0.2	--	--	--	--	--	--	--	--	--	**490,000**	<10000	<10000	**490,000**
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	**1.6 J**	**13.2**	<0.2	--	--	--	--	--	--	--	--	--	**690,000**	<10000	<10000	**690,000**
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	<5	**9.2**	<0.2	--	--	--	--	--	--	--	--	--	**610,000**	<10000	<10000	**610,000**
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	<5	**9.2**	<0.2	--	--	--	--	--	--	--	--	--	**480,000**	<10000	<10000	**480,000**
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	**3.7 J**	**19.2**	<0.2	--	--	--	--	--	--	--	--	--	**830,000**	<10000	<10000	**830,000**
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	**0.87 J**	**11.6**	<0.2	--	--	--	--	--	--	--	--	--	**630,000**	<10000	<10000	**630,000**
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Metals by E200.8 (in ug/L)	Metals by SW7470A (in ug/L)	PCBs by SW8082 (in ug/L)									Alkalinity by A2320 (in ug/L)			
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	<5	**7.9**	<0.2	--	--	--	--	--	--	--	--	--	**450,000**	<10000	<10000	**450,000**
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	**20.4**	**65.1**	<0.2	--	--	--	--	--	--	--	--	--	**390,000**	<10000	<10000	**390,000**
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	<5	**10**	<0.2	--	--	--	--	--	--	--	--	--	**710,000**	<10000	<10000	**710,000**
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	<5	**10.2**	<0.2	--	--	--	--	--	--	--	--	--	**640,000**	<10000	<10000	**640,000**
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	<10	**19.5 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**420,000**	<10000	<10000	**420,000**
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	<5	**10.5 J**	<0.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	**420,000**	<10000	<10000	**420,000**
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	<5	**25.6**	<0.2	--	--	--	--	--	--	--	--	--	**320,000**	<10000	<10000	**320,000**
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Anions by E300 (in ug/L)	Anions by E300 (in ug/L)	Cyanides by CI41CN (in ug/L)	Solids by A2540C (in ug/L)	Total Organic Carbon by E415.3 (in ug/L)
Location ID	Sample ID	Sample Date	Sample Type	Chloride	Sulfate (as SO4)	Cyanide	Total Dissolved Solids	Total Organic Carbon
MW-2B	38051	06/13/2011	N	--	--	--	--	--
MW32	MW32-0716	07/13/2016	N	--	--	--	--	--
MW32	MW132-0716	07/13/2016	FD	--	--	--	--	--
MW34	MW34-0314	03/26/2014	N	**40,000**	**400,000**	<10	**1,600,000**	**4,500**
MW34	MW934-0314	03/26/2014	FD	**40,000**	**400,000**	<10	**1,600,000**	**5,100**
MW34	MW34-0716	07/12/2016	N	--	--	--	--	--
MW35	MW35-0314	03/26/2014	N	**170,000**	**3,600,000**	--	**6,000,000**	**5,500**
MW35	MW35-0716	07/12/2016	N	--	--	--	--	--
MW42	SAIA-MW42-0313	03/05/2013	N	--	--	--	--	--
MW42	MW42-0314	03/26/2014	N	**46,000**	**190,000**	<10	**1,300,000**	**9,100**
MW42	MW42-0716	07/12/2016	N	--	--	--	--	--
MW43	SAIA-MW43-0313	03/05/2013	N	--	--	--	--	--
MW43	MW43-0314	03/26/2014	N	**140,000**	**2,800,000**	<10	**4,800,000**	**5,400**
MW43	MW43-0716	07/12/2016	N	--	--	--	--	--
MW44	MW44-0314	03/26/2014	N	**150,000**	**3,400,000**	<10	**5,700,000**	**5,600**
MW44	MW44-0716	07/12/2016	N	--	--	--	--	--
MW45	SAIA-MW45-0313	03/05/2013	N	--	--	--	--	--
MW45	MW45-0314	03/25/2014	N	**120,000**	**1,100,000**	--	**2,400,000**	**3,300**
MW45	MW45-0716	07/14/2016	N	--	--	--	--	--
MW46	SAIA-MW46-0313	03/05/2013	N	--	--	--	--	--
MW46	SAIA-MW46-1313	03/05/2013	FD	--	--	--	--	--
MW46	MW46-0314	03/24/2014	N	**86,000**	**500,000**	--	**1,700,000**	**4,200**
MW46	MW46-0716	07/19/2016	N	--	--	--	--	--
MW47	SAIA-MW47-0313	03/05/2013	N	--	--	--	--	--
MW47	MW47-0314	03/24/2014	N	**49,000**	**340,000**	--	**1,300,000**	**5,800**
MW47	MW47-0716	07/19/2016	N	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Anions by E300 (in ug/L)	Anions by E300 (in ug/L)	Cyanides by CI41CN (in ug/L)	Solids by A2540C (in ug/L)	Total Organic Carbon by E415.3 (in ug/L)
MW48	SAIA-MW48-0313	03/06/2013	N	--	--	--	--	--
MW48	MW48-0314	03/24/2014	N	**250,000**	**1,200,000**	--	**2,800,000**	**4,600**
MW48	MW48-0716	07/19/2016	N	--	--	--	--	--
MW49	SAIA-MW49-0313	03/06/2013	N	--	--	--	--	--
MW49	MW49-0314	03/26/2014	N	**170,000**	**3,000,000**	--	**5,300,000**	**3,700**
MW49	MW49-0716	07/15/2016	N	--	--	--	--	--
MW49	MW149-0716	07/15/2016	FD	--	--	--	--	--
MW-4B	38053	06/14/2011	N	--	--	--	--	--
MW52	SAIA-MW52-0313	03/06/2013	N	--	--	--	--	--
MW52	MW52-0314	03/25/2014	N	**170,000**	**1,500,000**	--	**3,200,000**	**4,900**
MW52	MW952-0314	03/25/2014	FD	**180,000**	**1,500,000**	--	**3,200,000**	**4,900**
MW52	MW52-0716	07/19/2016	N	--	--	--	--	--
MW56	MW56-0314	03/26/2014	N	**84,000**	**400,000**	--	**1,300,000**	**2,800**
MW56	MW56-0716	07/18/2016	N	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0716	07/18/2016	N	--	--	--	--	--
SAIA-MW10	SAIA-MW10-0916	09/20/2016	N	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0716	07/15/2016	N	--	--	--	--	--
SAIA-MW11A	SAIA-MW11A-0916	09/22/2016	N	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0716	07/15/2016	N	--	--	--	--	--
SAIA-MW11B	SAIA-MW11B-0916	09/22/2016	N	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0716	07/15/2016	N	--	--	--	--	--
SAIA-MW11C	SAIA-MW11C-0916	09/22/2016	N	--	--	--	--	--
SAIA-MW11C	SAIA-MW111C-0916	09/22/2016	FD	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0716	07/25/2016	N	--	--	--	--	--
SAIA-MW12A	SAIA-MW12A-0916	09/21/2016	N	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0716	07/25/2016	N	--	--	--	--	--
SAIA-MW12B	SAIA-MW12B-0916	09/21/2016	N	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0716	07/25/2016	N	--	--	--	--	--
SAIA-MW12C	SAIA-MW12C-0916	09/21/2016	N	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0716	07/21/2016	N	--	--	--	--	--
SAIA-MW13	SAIA-MW13-0916	09/21/2016	N	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0314	03/27/2014	N	**53,000**	**180,000**	<10	**1,000,000**	**23,000**
SAIA-MW1A	SAIA-MW1A-0814	08/25/2014	N	--	--	--	--	--
SAIA-MW1A	SAIA-MW1A-0716	07/14/2016	N	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0314	03/27/2014	N	**580,000**	**1,200,000**	<10	**3,300,000**	**8,000**
SAIA-MW1B	SAIA-MW1B-0814	08/25/2014	N	--	--	--	--	--
SAIA-MW1B	SAIA-MW1B-0716	07/14/2016	N	--	--	--	--	--
SAIA-MW1B	SAIA-MW91B-0716	07/14/2016	FD	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0314	03/27/2014	N	**120,000**	**3,000,000**	<10	**5,100,000**	**11,000**

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Anions by E300 (in ug/L)	Anions by E300 (in ug/L)	Cyanides by CI41CN (in ug/L)	Solids by A2540C (in ug/L)	Total Organic Carbon by E415.3 (in ug/L)
SAIA-MW1C	SAIA-MW1C-0814	08/25/2014	N	--	--	--	--	--
SAIA-MW1C	SAIA-MW1C-0716	07/14/2016	N	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0314	03/27/2014	N	**26,000**	**100,000**	<10	**1,000,000**	**23,000**
SAIA-MW2A	SAIA-MW2A-0814	08/25/2014	N	--	--	--	--	--
SAIA-MW2A	SAIA-MW92A-0814	08/25/2014	FD	--	--	--	--	--
SAIA-MW2A	SAIA-MW2A-0716	07/11/2016	N	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0314	03/27/2014	N	**320,000**	**1,500,000**	<10	**3,200,000**	**6,400**
SAIA-MW2B	SAIA-MW2B-0814	08/25/2014	N	--	--	--	--	--
SAIA-MW2B	SAIA-MW2B-0716	07/11/2016	N	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0314	03/27/2014	N	**160,000**	**2,900,000**	<10	**5,000,000**	**6,600**
SAIA-MW2C	SAIA-MW2C-0814	08/25/2014	N	--	--	--	--	--
SAIA-MW2C	SAIA-MW2C-0716	07/11/2016	N	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0314	03/24/2014	N	**200,000**	**380,000**	--	**1,500,000**	--
SAIA-MW3A	SAIA-MW3A-0814	08/26/2014	N	--	--	--	--	--
SAIA-MW3A	SAIA-MW3A-0716	07/13/2016	N	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0314	03/24/2014	N	**89,000**	**220,000**	--	**1,100,000**	--
SAIA-MW3B	SAIA-MW3B-0814	08/26/2014	N	--	--	--	--	--
SAIA-MW3B	SAIA-MW3B-0716	07/13/2016	N	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0314	03/24/2014	N	**680,000**	**1,300,000**	--	**3,300,000**	--
SAIA-MW3C	SAIA-MW93C-0314	03/24/2014	FD	**670,000**	**1,200,000**	--	**3,400,000**	--
SAIA-MW3C	SAIA-MW3C-0814	08/26/2014	N	--	--	--	--	--
SAIA-MW3C	SAIA-MW3C-0716	07/13/2016	N	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0314	03/25/2014	N	**160,000**	**390,000**	--	**1,500,000**	**4,300**
SAIA-MW4A	SAIA-MW4A-0814	08/26/2014	N	--	--	--	--	--
SAIA-MW4A	SAIA-MW4A-0716	07/22/2016	N	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0314	03/25/2014	N	**86,000**	**400,000**	--	**1,300,000**	**19,000**
SAIA-MW4B	SAIA-MW4B-0814	08/26/2014	N	--	--	--	--	--
SAIA-MW4B	SAIA-MW94B-0814	08/26/2014	FD	--	--	--	--	--
SAIA-MW4B	SAIA-MW4B-0716	07/22/2016	N	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0314	03/25/2014	N	**510,000**	**900,000**	--	**2,600,000**	**8,200**
SAIA-MW4C	SAIA-MW4C-0814	08/26/2014	N	--	--	--	--	--
SAIA-MW4C	SAIA-MW4C-0716	07/22/2016	N	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0314	03/25/2014	N	**180,000**	**1,300,000**	--	**3,000,000**	**5,200**
SAIA-MW5A	SAIA-MW5A-0814	08/27/2014	N	--	--	--	--	--
SAIA-MW5A	SAIA-MW5A-0716	07/20/2016	N	--	--	--	--	--
SAIA-MW5A	SAIA-MW95A-0716	07/20/2016	FD	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0314	03/25/2014	N	**150,000**	**1,200,000**	--	**2,600,000**	**12,000**
SAIA-MW5B	SAIA-MW5B-0814	08/27/2014	N	--	--	--	--	--
SAIA-MW5B	SAIA-MW5B-0716	07/21/2016	N	--	--	--	--	--

Appendix E-3
Analytical Results for Groundwater from Monitoring Wells
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Anions by E300 (in ug/L)	Anions by E300 (in ug/L)	Cyanides by CI41CN (in ug/L)	Solids by A2540C (in ug/L)	Total Organic Carbon by E415.3 (in ug/L)
SAIA-MW5C	SAIA-MW5C-0314	03/25/2014	N	**700,000**	**1,200,000**	--	**3,300,000**	**7,300**
SAIA-MW5C	SAIA-MW5C-0814	08/27/2014	N	--	--	--	--	--
SAIA-MW5C	SAIA-MW5C-0716	07/21/2016	N	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0314	03/24/2014	N	**100,000**	**230,000**	--	**940,000**	**5,900**
SAIA-MW6A	SAIA-MW6A-0814	08/27/2014	N	--	--	--	--	--
SAIA-MW6A	SAIA-MW6A-0716	07/20/2016	N	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0314	03/24/2014	N	**350,000**	**2,000,000**	--	**4,300,000**	--
SAIA-MW6B	SAIA-MW6B-0814	08/27/2014	N	--	--	--	--	--
SAIA-MW6B	SAIA-MW6B-0716	07/20/2016	N	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0314	03/24/2014	N	**410,000**	**1,900,000**	--	**4,100,000**	--
SAIA-MW6C	SAIA-MW6C-0814	08/27/2014	N	--	--	--	--	--
SAIA-MW6C	SAIA-MW6C-0716	07/20/2016	N	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0314	03/27/2014	N	**730,000**	**2,100,000**	<10	**4,800,000**	**4,000**
SAIA-MW7	SAIA-MW97-0314	03/27/2014	FD	**740,000**	**2,200,000**	<10	**4,700,000**	**3,900**
SAIA-MW7	SAIA-MW7-0814	08/25/2014	N	--	--	--	--	--
SAIA-MW7	SAIA-MW7-0716	07/11/2016	N	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0314	03/24/2014	N	**390,000**	**780,000**	--	**2,100,000**	--
SAIA-MW8	SAIA-MW8-0814	08/25/2014	N	--	--	--	--	--
SAIA-MW8	SAIA-MW8-0716	07/21/2016	N	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0716	07/18/2016	N	--	--	--	--	--
SAIA-MW9A	SAIA-MW9A-0916	09/20/2016	N	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0716	07/18/2016	N	--	--	--	--	--
SAIA-MW9B	SAIA-MW9B-0916	09/20/2016	N	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0716	07/18/2016	N	--	--	--	--	--
SAIA-MW9C	SAIA-MW99C-0716	07/18/2016	FD	--	--	--	--	--
SAIA-MW9C	SAIA-MW9C-0916	09/20/2016	N	--	--	--	--	--

Notes:
Detected results shown in bold
ID = identification number
FD = Field duplicate sample results
J = Concentration is estimated because it falls between the method detection limit and laboratory reporting limit.
N = Normal sample results
R = Rejected results
ug/m3 = Micrograms per cubic meter
-- = Not analyzed
< = Analyte not detected at the specified value

Appendix E-4

Analytical Results for Discrete-Depth Groundwater Samples

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ugL)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene
SAIA-CPT02	SAIA-CPT02-40	03/22/2013	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-50	03/22/2013	N	50	<0.5	<0.5	<0.5	<0.5	**0.1 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.065 J**	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-70	03/22/2013	N	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**8**	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-90	03/22/2013	N	90	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**6.1**	**0.21 J**	<0.5
SAIA-CPT02	SAIA-CPT02-110	03/22/2013	N	110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.3 J**	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-40	03/13/2013	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-50	03/13/2013	N	50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	**0.087 J**
SAIA-CPT03	SAIA-CPT03-70	03/13/2013	N	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.39 J**	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-71	03/13/2013	FD	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-90	03/13/2013	N	90	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-110	03/13/2013	N	110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-40	03/14/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-50	03/14/2013	N	64	<25	<25	<25	<25	**12 J**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-CPT04	SAIA-CPT04-70	03/14/2013	N	84	<0.5	<0.5	<0.5	<0.5	**0.12 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.4**	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-90	03/14/2013	N	102	<4	<4	<4	<4	**2.3 J**	<4	<4	<4	<4	<4	<4	<4	**4.5**	<4	<4
SAIA-CPT04	SAIA-CPT04-110	03/14/2013	N	126	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT05	SAIA-CPT05-40	03/04/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT05	SAIA-CPT05-50	03/05/2013	N	64	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT05	SAIA-CPT05-70	03/05/2013	N	84	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**1.4**	<1	<1
SAIA-CPT05	SAIA-CPT05-90	03/05/2013	N	104	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	**0.19 J**	<0.5
SAIA-CPT05	SAIA-CPT05-110	03/05/2013	N	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-40	03/08/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-50	03/08/2013	N	63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-70	03/08/2013	N	82	<40	<40	<40	<40	**21 J**	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
SAIA-CPT06	SAIA-CPT06-90	03/08/2013	N	102	<0.5	<0.5	<0.5	<0.5	**0.13 J**	<0.5	<0.5	**0.094 J**	<0.5	<0.5	<0.5	<0.5	**1.8**	**0.22 J**	<0.5
SAIA-CPT06	SAIA-CPT06-110	03/08/2013	N	132	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.12 J**	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-40	03/04/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-50	03/01/2013	N	70	<10	<10	<10	<10	**2 J**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT07	SAIA-CPT07-51	03/01/2013	FD	70	<10	<10	<10	<10	**2.3 J**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT07	SAIA-CPT07-70	03/01/2013	N	96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.53**	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)															
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform
SAIA-CPT02	SAIA-CPT02-40	03/22/2013	N	40	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.45 J**	<0.5	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-50	03/22/2013	N	50	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-70	03/22/2013	N	70	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-90	03/22/2013	N	90	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-110	03/22/2013	N	110	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-40	03/13/2013	N	40	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-50	03/13/2013	N	50	**0.12 J**	<20	<20	<20	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT03	SAIA-CPT03-70	03/13/2013	N	70	<0.5	<5	<5	<5	**6.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-71	03/13/2013	FD	70	<0.5	<5	<5	<5	**3.1 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-90	03/13/2013	N	90	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-110	03/13/2013	N	110	<0.5	<5	<5	<5	**16**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-40	03/14/2013	N	42	<0.5	<5	<5	<5	**2.8 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-50	03/14/2013	N	64	<25	<250	<250	<250	<250	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-CPT04	SAIA-CPT04-70	03/14/2013	N	84	<0.5	<5	<5	<5	**21**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-90	03/14/2013	N	102	<4	<40	<40	<40	<40	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
SAIA-CPT04	SAIA-CPT04-110	03/14/2013	N	126	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT05	SAIA-CPT05-40	03/04/2013	N	42	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT05	SAIA-CPT05-50	03/05/2013	N	64	<10	<100	<100	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT05	SAIA-CPT05-70	03/05/2013	N	84	<1	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SAIA-CPT05	SAIA-CPT05-90	03/05/2013	N	104	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT05	SAIA-CPT05-110	03/05/2013	N	130	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-40	03/08/2013	N	42	<0.5	<5	<5	<5	**21**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-50	03/08/2013	N	63	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-70	03/08/2013	N	82	<40	<400	<400	<400	<400	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
SAIA-CPT06	SAIA-CPT06-90	03/08/2013	N	102	<0.5	<5	<5	<5	**11**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-110	03/08/2013	N	132	<0.5	<5	<5	<5	**15**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-40	03/04/2013	N	42	<0.5	<5	<5	<5	**17**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-50	03/01/2013	N	70	<10	<100	<100	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT07	SAIA-CPT07-51	03/01/2013	FD	70	<10	<100	<100	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT07	SAIA-CPT07-70	03/01/2013	N	96	<0.5	<5	<5	<5	**4.8 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)															
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-CPT02	SAIA-CPT02-40	03/22/2013	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-50	03/22/2013	N	50	<0.5	**7.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-70	03/22/2013	N	70	<0.5	**0.18 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-90	03/22/2013	N	90	<0.5	**0.13 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-110	03/22/2013	N	110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-40	03/13/2013	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-50	03/13/2013	N	50	<2	**120**	<2	<2	<2	<2	<2	<2	<2	<2	<2	**6**	<2	<2	<2
SAIA-CPT03	SAIA-CPT03-70	03/13/2013	N	70	<0.5	**0.31 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-71	03/13/2013	FD	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-90	03/13/2013	N	90	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT03	SAIA-CPT03-110	03/13/2013	N	110	<0.5	**4.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.11 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-40	03/14/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-50	03/14/2013	N	64	<25	**1,300**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-CPT04	SAIA-CPT04-70	03/14/2013	N	84	<0.5	**52**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-90	03/14/2013	N	102	<4	**55**	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
SAIA-CPT04	SAIA-CPT04-110	03/14/2013	N	126	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT05	SAIA-CPT05-40	03/04/2013	N	42	<0.5	**9.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT05	SAIA-CPT05-50	03/05/2013	N	64	<10	**490**	<10	<10	<10	<10	<10	<10	<10	<10	<10	**23**	<10	<10	<10
SAIA-CPT05	SAIA-CPT05-70	03/05/2013	N	84	<1	**97**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SAIA-CPT05	SAIA-CPT05-90	03/05/2013	N	104	<0.5	**7.3**	<0.5	**0.1 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT05	SAIA-CPT05-110	03/05/2013	N	130	<0.5	**0.14 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-40	03/08/2013	N	42	<0.5	**0.077 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-50	03/08/2013	N	63	<0.5	**3.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-70	03/08/2013	N	82	<40	**3,900**	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
SAIA-CPT06	SAIA-CPT06-90	03/08/2013	N	102	<0.5	**42**	<0.5	**0.12 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-110	03/08/2013	N	132	<0.5	**0.3 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.4 J**	<0.5	**0.1 J**	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-40	03/04/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-50	03/01/2013	N	70	<10	**780**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT07	SAIA-CPT07-51	03/01/2013	FD	70	<10	**810**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT07	SAIA-CPT07-70	03/01/2013	N	96	<0.5	**13**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)							Semivolatiles (in ug/L)
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,4-Dioxane (p-Dioxane)
SAIA-CPT02	SAIA-CPT02-40	03/22/2013	N	40	<0.5	<0.5	<0.5	<0.5	**0.091 J**	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-50	03/22/2013	N	50	<0.5	<0.5	**0.59**	<0.5	**1.3**	<0.5	<0.5	<0.5
SAIA-CPT02	SAIA-CPT02-70	03/22/2013	N	70	<0.5	<0.5	<0.5	<0.5	**0.085 J**	<0.5	<0.5	**1**
SAIA-CPT02	SAIA-CPT02-90	03/22/2013	N	90	<0.5	<0.5	<0.5	<0.5	**0.063 J**	<0.5	<0.5	**0.95**
SAIA-CPT02	SAIA-CPT02-110	03/22/2013	N	110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
SAIA-CPT03	SAIA-CPT03-40	03/13/2013	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
SAIA-CPT03	SAIA-CPT03-50	03/13/2013	N	50	<2	<2	**44**	<2	**92**	<2	<2	**8**
SAIA-CPT03	SAIA-CPT03-70	03/13/2013	N	70	<0.5	<0.5	<0.5	<0.5	**0.21 J**	<0.5	<0.5	**0.42 J**
SAIA-CPT03	SAIA-CPT03-71	03/13/2013	FD	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.42 J**
SAIA-CPT03	SAIA-CPT03-90	03/13/2013	N	90	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.71**
SAIA-CPT03	SAIA-CPT03-110	03/13/2013	N	110	<0.5	<0.5	**0.26 J**	<0.5	**2.4**	<0.5	<0.5	<0.5
SAIA-CPT04	SAIA-CPT04-40	03/14/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
SAIA-CPT04	SAIA-CPT04-50	03/14/2013	N	64	<25	<25	**29**	<25	**890**	<25	<25	**12**
SAIA-CPT04	SAIA-CPT04-70	03/14/2013	N	84	<0.5	<0.5	**3.5**	<0.5	**6.5**	<0.5	<0.5	**0.57**
SAIA-CPT04	SAIA-CPT04-90	03/14/2013	N	102	<4	<4	**7.5**	<4	**280**	<4	<4	**9.2**
SAIA-CPT04	SAIA-CPT04-110	03/14/2013	N	126	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT05	SAIA-CPT05-40	03/04/2013	N	42	<0.5	<0.5	**0.36 J**	<0.5	**0.87**	<0.5	<0.5	**0.77**
SAIA-CPT05	SAIA-CPT05-50	03/05/2013	N	64	<10	<10	**31**	<10	**400**	<10	<10	**2.6**
SAIA-CPT05	SAIA-CPT05-70	03/05/2013	N	84	<1	<1	**11**	<1	**1.3 J**	<1	<1	**0.9**
SAIA-CPT05	SAIA-CPT05-90	03/05/2013	N	104	<0.5	<0.5	**0.38 J**	<0.5	**2.7**	<0.5	<0.5	**1.6**
SAIA-CPT05	SAIA-CPT05-110	03/05/2013	N	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-40	03/08/2013	N	42	<0.5	**0.092 J**	<0.5	<0.5	<0.5	<0.5	<0.5	--
SAIA-CPT06	SAIA-CPT06-50	03/08/2013	N	63	<0.5	<0.5	**0.49 J**	<0.5	**2.1**	<0.5	<0.5	<0.5
SAIA-CPT06	SAIA-CPT06-70	03/08/2013	N	82	<40	**5.4 J**	**770**	<40	**270**	<40	<40	**40**
SAIA-CPT06	SAIA-CPT06-90	03/08/2013	N	102	<0.5	<0.5	**2.9**	<0.5	**1.3**	<0.5	<0.5	**1**
SAIA-CPT06	SAIA-CPT06-110	03/08/2013	N	132	<0.5	<0.5	<0.5	<0.5	**0.087 J**	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-40	03/04/2013	N	42	<0.5	**0.19 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-50	03/01/2013	N	70	<10	<10	**36**	<10	**16**	<10	<10	**15**
SAIA-CPT07	SAIA-CPT07-51	03/01/2013	FD	70	<10	<10	**40**	<10	**17**	<10	<10	**20**
SAIA-CPT07	SAIA-CPT07-70	03/01/2013	N	96	<0.5	<0.5	**1.2**	<0.5	**2.9**	<0.5	<0.5	**0.66**

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ugL)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene
SAIA-CPT07	SAIA-CPT07-90	03/01/2013	N	114	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-110	03/01/2013	N	134	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-40	03/07/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-50	03/07/2013	N	76	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT08	SAIA-CPT08-70	03/07/2013	N	96	<0.5	<0.5	<0.5	<0.5	**0.18 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1**	**0.17 J**	<0.5
SAIA-CPT08	SAIA-CPT08-90	03/07/2013	N	121	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT09	SAIA-CPT09-40	03/06/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT09	SAIA-CPT09-50	03/06/2013	N	78	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT09	SAIA-CPT09-51	03/06/2013	FD	78	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT09	SAIA-CPT09-70	03/06/2013	N	98	<0.5	<0.5	<0.5	<0.5	**0.36 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.2**	**0.19 J**	<0.5
SAIA-CPT09	SAIA-CPT09-90	03/06/2013	N	120	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-40	03/21/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-50	03/21/2013	N	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-70	03/21/2013	N	80	<5	<5	<5	<5	**2.2 J**	**3.2 J**	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-CPT10	SAIA-CPT10-90	03/21/2013	N	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.88**	**0.14 J**	<0.5
SAIA-CPT10	SAIA-CPT10-110	03/21/2013	N	122	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.86**	<0.5	<0.5
SAIA-CPT11	SAIA-CPT11-40	03/20/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT11	SAIA-CPT11-50	03/20/2013	N	64	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	**0.72 J**	<4	<4
SAIA-CPT11	SAIA-CPT11-70	03/20/2013	N	84	<20	<20	<20	<20	**4.1 J**	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
SAIA-CPT11	SAIA-CPT11-90	03/20/2013	N	104	<0.5	<0.5	<0.5	<0.5	**0.38 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.4**	**0.22 J**	<0.5
SAIA-CPT11	SAIA-CPT11-91	03/20/2013	FD	104	<1	<1	<1	<1	**0.4 J**	<1	<1	<1	<1	<1	<1	<1	**1.5**	**0.27 J**	<1
SAIA-CPT11	SAIA-CPT11-110	03/20/2013	N	129	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.11 J**	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-40	03/19/2013	N	41	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-50	03/19/2013	N	65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-70	03/19/2013	N	80	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT12	SAIA-CPT12-90	03/19/2013	N	98	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.57**	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-110	03/19/2013	N	120	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-40	03/15/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-50	03/15/2013	N	68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-70	03/15/2013	N	82	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.084 J**	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)															
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform
SAIA-CPT07	SAIA-CPT07-90	03/01/2013	N	114	<0.5	<5	<5	<5	**14**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-110	03/01/2013	N	134	<0.5	<5	<5	<5	**8.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-40	03/07/2013	N	42	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-50	03/07/2013	N	76	<10	<100	<100	<100	<100	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT08	SAIA-CPT08-70	03/07/2013	N	96	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-90	03/07/2013	N	121	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT09	SAIA-CPT09-40	03/06/2013	N	42	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT09	SAIA-CPT09-50	03/06/2013	N	78	<2	<20	<20	<20	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT09	SAIA-CPT09-51	03/06/2013	FD	78	<2.5	<25	<25	<25	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT09	SAIA-CPT09-70	03/06/2013	N	98	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT09	SAIA-CPT09-90	03/06/2013	N	120	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-40	03/21/2013	N	42	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-50	03/21/2013	N	60	<0.5	<5	<5	<5	**15**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-70	03/21/2013	N	80	<5	<50	<50	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-CPT10	SAIA-CPT10-90	03/21/2013	N	100	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-110	03/21/2013	N	122	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	**0.1 J**	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT11	SAIA-CPT11-40	03/20/2013	N	42	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT11	SAIA-CPT11-50	03/20/2013	N	64	<4	**9.4 J**	<40	<40	<40	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
SAIA-CPT11	SAIA-CPT11-70	03/20/2013	N	84	<20	<200	<200	<200	<200	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
SAIA-CPT11	SAIA-CPT11-90	03/20/2013	N	104	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT11	SAIA-CPT11-91	03/20/2013	FD	104	<1	<10	<10	<10	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SAIA-CPT11	SAIA-CPT11-110	03/20/2013	N	129	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-40	03/19/2013	N	41	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-50	03/19/2013	N	65	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-70	03/19/2013	N	80	<2	<20	<20	<20	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT12	SAIA-CPT12-90	03/19/2013	N	98	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-110	03/19/2013	N	120	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-40	03/15/2013	N	42	<0.5	<5	<5	<5	**10**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-50	03/15/2013	N	68	<0.5	<5	<5	<5	**3.2 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-70	03/15/2013	N	82	<0.5	<5	<5	<5	**3.6 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)															
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-CPT07	SAIA-CPT07-90	03/01/2013	N	114	<0.5	**3.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.1**	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-110	03/01/2013	N	134	<0.5	**0.28 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-40	03/07/2013	N	42	<0.5	**0.73**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-50	03/07/2013	N	76	<10	**530**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SAIA-CPT08	SAIA-CPT08-70	03/07/2013	N	96	<0.5	**78**	<0.5	**0.11 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-90	03/07/2013	N	121	<0.5	**0.69**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT09	SAIA-CPT09-40	03/06/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.51**	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT09	SAIA-CPT09-50	03/06/2013	N	78	<2	**110**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT09	SAIA-CPT09-51	03/06/2013	FD	78	<2.5	**140**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT09	SAIA-CPT09-70	03/06/2013	N	98	<0.5	**43**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT09	SAIA-CPT09-90	03/06/2013	N	120	<0.5	**0.22 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-40	03/21/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.48 J**	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-50	03/21/2013	N	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.61**	<0.5	<0.5	**0.09 J**	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-70	03/21/2013	N	80	<5	**1,800**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-CPT10	SAIA-CPT10-90	03/21/2013	N	100	<0.5	**68**	<0.5	**0.19 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-110	03/21/2013	N	122	<0.5	**2.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.49 J**	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT11	SAIA-CPT11-40	03/20/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT11	SAIA-CPT11-50	03/20/2013	N	64	<4	**390**	<4	<4	<4	<4	<4	<4	**0.49 J**	<4	<4	<4	<4	<4	<4
SAIA-CPT11	SAIA-CPT11-70	03/20/2013	N	84	<20	**1,800**	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
SAIA-CPT11	SAIA-CPT11-90	03/20/2013	N	104	<0.5	**160**	<0.5	**0.12 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT11	SAIA-CPT11-91	03/20/2013	FD	104	<1	**160**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SAIA-CPT11	SAIA-CPT11-110	03/20/2013	N	129	<0.5	**0.47 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-40	03/19/2013	N	41	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-50	03/19/2013	N	65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.29 J**	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-70	03/19/2013	N	80	<2	**93**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT12	SAIA-CPT12-90	03/19/2013	N	98	<0.5	**50**	<0.5	**0.07 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-110	03/19/2013	N	120	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-40	03/15/2013	N	42	<0.5	**1.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-50	03/15/2013	N	68	<0.5	**2.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.24 J**	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-70	03/15/2013	N	82	<0.5	**4.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)							Semivolatiles (in ug/L)
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,4-Dioxane (p-Dioxane)
SAIA-CPT07	SAIA-CPT07-90	03/01/2013	N	114	<0.5	<0.5	**0.16 J**	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT07	SAIA-CPT07-110	03/01/2013	N	134	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-40	03/07/2013	N	42	<0.5	<0.5	<0.5	<0.5	**0.13 J**	<0.5	<0.5	<0.5
SAIA-CPT08	SAIA-CPT08-50	03/07/2013	N	76	<10	<10	**27**	<10	**12**	<10	<10	**1.8**
SAIA-CPT08	SAIA-CPT08-70	03/07/2013	N	96	<0.5	<0.5	**5**	<0.5	**1.7**	<0.5	<0.5	**0.55**
SAIA-CPT08	SAIA-CPT08-90	03/07/2013	N	121	<0.5	**0.066 J**	<0.5	<0.5	**0.13 J**	<0.5	<0.5	<0.5
SAIA-CPT09	SAIA-CPT09-40	03/06/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.51**
SAIA-CPT09	SAIA-CPT09-50	03/06/2013	N	78	<2	<2	**12**	<2	**0.56 J**	<2	<2	<0.5
SAIA-CPT09	SAIA-CPT09-51	03/06/2013	FD	78	<2.5	<2.5	**16**	<2.5	<2.5	<2.5	<2.5	<0.5
SAIA-CPT09	SAIA-CPT09-70	03/06/2013	N	98	<0.5	<0.5	**5.3**	<0.5	**2.4**	<0.5	<0.5	**0.65**
SAIA-CPT09	SAIA-CPT09-90	03/06/2013	N	120	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-40	03/21/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-50	03/21/2013	N	60	<0.5	<0.5	<0.5	<0.5	**0.31 J**	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-70	03/21/2013	N	80	<5	<5	**82**	<5	**170 J**	<5	<5	**9.1**
SAIA-CPT10	SAIA-CPT10-90	03/21/2013	N	100	<0.5	<0.5	**7.6**	<0.5	**13 J**	<0.5	<0.5	<0.5
SAIA-CPT10	SAIA-CPT10-110	03/21/2013	N	122	**9.9**	<0.5	<0.5	<0.5	**15**	<0.5	<0.5	<0.5
SAIA-CPT11	SAIA-CPT11-40	03/20/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
SAIA-CPT11	SAIA-CPT11-50	03/20/2013	N	64	**9.4**	<4	**2.3 J**	<4	**120**	<4	**62**	**1.5**
SAIA-CPT11	SAIA-CPT11-70	03/20/2013	N	84	<20	<20	**86**	<20	**140**	<20	<20	**3.7**
SAIA-CPT11	SAIA-CPT11-90	03/20/2013	N	104	<0.5	<0.5	**13**	<0.5	**2.8**	<0.5	<0.5	**1.6**
SAIA-CPT11	SAIA-CPT11-91	03/20/2013	FD	104	<1	<1	**14**	<1	**2.9**	<1	<1	**1.1**
SAIA-CPT11	SAIA-CPT11-110	03/20/2013	N	129	<0.5	<0.5	<0.5	<0.5	**0.66**	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-40	03/19/2013	N	41	<0.5	<0.5	<0.5	<0.5	**0.083 J**	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-50	03/19/2013	N	65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.48 J**
SAIA-CPT12	SAIA-CPT12-70	03/19/2013	N	80	<2	<2	**7.5**	<2	**44**	<2	<2	<0.5
SAIA-CPT12	SAIA-CPT12-90	03/19/2013	N	98	<0.5	<0.5	**5.9**	<0.5	**1.4**	<0.5	<0.5	<0.5
SAIA-CPT12	SAIA-CPT12-110	03/19/2013	N	120	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-40	03/15/2013	N	42	<0.5	<0.5	**0.18 J**	<0.5	**0.15 J**	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-50	03/15/2013	N	68	<0.5	<0.5	**0.48 J**	<0.5	**0.94**	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-70	03/15/2013	N	82	<0.5	<0.5	**0.69**	<0.5	**3.3**	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ugL)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene
SAIA-CPT13	SAIA-CPT13-90	03/15/2013	N	98	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.36 J**	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-110	03/15/2013	N	121	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-60	07/23/2015	N	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-75	07/23/2015	N	75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-76	07/23/2015	FD	75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-90	07/23/2015	N	100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT14	SAIA-CPT14-130	07/23/2015	N	130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-CPT15	SAIA-CPT15-45	07/29/2015	N	45	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-60	07/28/2015	N	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-75	07/28/2015	N	75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-90	07/28/2015	N	90	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT15	SAIA-CPT15-91	07/28/2015	FD	90	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT15	SAIA-CPT15-105	07/28/2015	N	105	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.4 J**	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-130	07/28/2015	N	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-45	07/30/2015	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-60	07/29/2015	N	55	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-75	07/29/2015	N	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-90	07/29/2015	N	85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.23 J**	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-105	07/29/2015	N	105	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-130	07/29/2015	N	125	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-45	07/31/2015	N	40	<0.5	<0.5	<0.5	<0.5	**3**	**3.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-60	07/30/2015	N	60	<0.5	<0.5	<0.5	<0.5	**7.7**	**4.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-75	07/30/2015	N	70	<0.5	<0.5	<0.5	<0.5	**1.3**	**3.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-76	07/30/2015	FD	70	<0.5	<0.5	<0.5	<0.5	**1.4**	**3.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-90	07/30/2015	N	95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-105	07/30/2015	N	105	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.3 J**	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-130	07/30/2015	N	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-45	07/31/2015	N	50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-60	07/31/2015	N	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-75	07/31/2015	N	85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform
SAIA-CPT13	SAIA-CPT13-90	03/15/2013	N	98	<0.5	<5	<5	<5	**4.6 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-110	03/15/2013	N	121	<0.5	<5	<5	<5	**21**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-60	07/23/2015	N	60	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-75	07/23/2015	N	75	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-76	07/23/2015	FD	75	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-90	07/23/2015	N	100	<2.5	<25	<25	<25	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT14	SAIA-CPT14-130	07/23/2015	N	130	<5	<50	<50	<50	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-CPT15	SAIA-CPT15-45	07/29/2015	N	45	<0.5	<5	<5	<5	<6.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-60	07/28/2015	N	60	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-75	07/28/2015	N	75	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-90	07/28/2015	N	90	<2	<20	<20	<20	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT15	SAIA-CPT15-91	07/28/2015	FD	90	<2.5	<25	<25	<25	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT15	SAIA-CPT15-105	07/28/2015	N	105	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-130	07/28/2015	N	130	<0.5	<5	<5	<5	<7.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-45	07/30/2015	N	40	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-60	07/29/2015	N	55	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-75	07/29/2015	N	70	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-90	07/29/2015	N	85	<0.5	<5	<5	<5	<11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-105	07/29/2015	N	105	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-130	07/29/2015	N	125	<0.5	<5	<5	<5	<5.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-45	07/31/2015	N	40	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-60	07/30/2015	N	60	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-75	07/30/2015	N	70	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-76	07/30/2015	FD	70	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-90	07/30/2015	N	95	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-105	07/30/2015	N	105	<0.5	<5	<5	<5	**7.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-130	07/30/2015	N	130	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	**0.36 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-45	07/31/2015	N	50	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-60	07/31/2015	N	70	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-75	07/31/2015	N	85	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-CPT13	SAIA-CPT13-90	03/15/2013	N	98	<0.5	**9.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-110	03/15/2013	N	121	<0.5	**0.091 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.42 J**	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-60	07/23/2015	N	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.3 J**	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-75	07/23/2015	N	75	<0.5	**130**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-76	07/23/2015	FD	75	<0.5	**140**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.26 J**	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-90	07/23/2015	N	100	<2.5	**440**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT14	SAIA-CPT14-130	07/23/2015	N	130	<5	**770**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-CPT15	SAIA-CPT15-45	07/29/2015	N	45	<0.5	**0.65**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.53**	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-60	07/28/2015	N	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-75	07/28/2015	N	75	<0.5	**180**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-90	07/28/2015	N	90	<2	**250**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-CPT15	SAIA-CPT15-91	07/28/2015	FD	90	<2.5	**270**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT15	SAIA-CPT15-105	07/28/2015	N	105	<0.5	**120**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-130	07/28/2015	N	130	<0.5	**150**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-45	07/30/2015	N	40	<0.5	**0.56**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-60	07/29/2015	N	55	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-75	07/29/2015	N	70	<0.5	**9.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-90	07/29/2015	N	85	<0.5	**72**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-105	07/29/2015	N	105	<0.5	**120**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-130	07/29/2015	N	125	<0.5	**6.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-45	07/31/2015	N	40	<0.5	**2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-60	07/30/2015	N	60	<0.5	**6.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-75	07/30/2015	N	70	<0.5	**37**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-76	07/30/2015	FD	70	<0.5	**40**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-90	07/30/2015	N	95	<0.5	**11**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-105	07/30/2015	N	105	<0.5	**29**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-130	07/30/2015	N	130	<0.5	<0.5	<0.5	<0.5	**0.36 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-45	07/31/2015	N	50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-60	07/31/2015	N	70	<0.5	**1.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-75	07/31/2015	N	85	<0.5	**8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)							Semivolatiles (in ug/L)
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,4-Dioxane (p-Dioxane)
SAIA-CPT13	SAIA-CPT13-90	03/15/2013	N	98	<0.5	<0.5	**2.4**	<0.5	**6**	<0.5	<0.5	<0.5
SAIA-CPT13	SAIA-CPT13-110	03/15/2013	N	121	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-60	07/23/2015	N	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-75	07/23/2015	N	75	<0.5	<0.5	**7.1**	<0.5	**2.7**	<0.5	<0.5	<0.5
SAIA-CPT14	SAIA-CPT14-76	07/23/2015	FD	75	<0.5	<0.5	**8.4**	<0.5	**3.1**	<0.5	<0.5	**0.37 J**
SAIA-CPT14	SAIA-CPT14-90	07/23/2015	N	100	<2.5	<2.5	**36**	<2.5	<2.5	<2.5	<2.5	<0.5
SAIA-CPT14	SAIA-CPT14-130	07/23/2015	N	130	<5	<5	**33**	<5	<5	<5	<5	**0.27 J**
SAIA-CPT15	SAIA-CPT15-45	07/29/2015	N	45	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-60	07/28/2015	N	60	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-75	07/28/2015	N	75	<0.5	<0.5	**19**	<0.5	**5**	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-90	07/28/2015	N	90	<2	<2	**25**	<2	**2.4**	<2	<2	<0.5
SAIA-CPT15	SAIA-CPT15-91	07/28/2015	FD	90	<2.5	<2.5	**24**	<2.5	**2.2 J**	<2.5	<2.5	<0.5
SAIA-CPT15	SAIA-CPT15-105	07/28/2015	N	105	<0.5	<0.5	**11**	<0.5	**0.87**	<0.5	<0.5	<0.5
SAIA-CPT15	SAIA-CPT15-130	07/28/2015	N	130	<0.5	<0.5	**3.4**	<0.5	**4.1**	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-45	07/30/2015	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
SAIA-CPT16	SAIA-CPT16-60	07/29/2015	N	55	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.31 J**
SAIA-CPT16	SAIA-CPT16-75	07/29/2015	N	70	<0.5	<0.5	**2**	<0.5	**1.4**	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-90	07/29/2015	N	85	<0.5	<0.5	**16**	<0.5	**7.8**	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-105	07/29/2015	N	105	<0.5	<0.5	**14**	<0.5	**0.94**	<0.5	<0.5	<0.5
SAIA-CPT16	SAIA-CPT16-130	07/29/2015	N	125	<0.5	<0.5	**0.4 J**	<0.5	**1.2**	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-45	07/31/2015	N	40	<0.5	<0.5	**0.39 J**	<0.5	**0.46 J**	<0.5	<0.5	**0.68**
SAIA-CPT17	SAIA-CPT17-60	07/30/2015	N	60	<0.5	<0.5	**0.57**	<0.5	**0.59**	<0.5	<0.5	**14**
SAIA-CPT17	SAIA-CPT17-75	07/30/2015	N	70	<0.5	<0.5	**5.1**	<0.5	**13**	<0.5	<0.5	**2.1**
SAIA-CPT17	SAIA-CPT17-76	07/30/2015	FD	70	<0.5	<0.5	**5.6**	<0.5	**14**	<0.5	<0.5	**1.4**
SAIA-CPT17	SAIA-CPT17-90	07/30/2015	N	95	<0.5	<0.5	**1.2**	<0.5	**2.5**	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-105	07/30/2015	N	105	<0.5	<0.5	**4.7**	<0.5	**2**	<0.5	<0.5	<0.5
SAIA-CPT17	SAIA-CPT17-130	07/30/2015	N	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-45	07/31/2015	N	50	<0.5	<0.5	<0.5	<0.5	**0.27 J**	<0.5	<0.5	**0.51**
SAIA-CPT18	SAIA-CPT18-60	07/31/2015	N	70	<0.5	<0.5	<0.5	<0.5	**0.97**	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-75	07/31/2015	N	85	<0.5	<0.5	**0.61**	<0.5	**0.61**	<0.5	<0.5	**0.6**

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ugL)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene
SAIA-CPT18	SAIA-CPT18-105	07/31/2015	N	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-130	07/31/2015	N	105	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-45	07/27/2015	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-60	07/24/2015	N	70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-75	07/24/2015	N	90	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-90	07/24/2015	N	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.26 J**	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-105	07/24/2015	N	115	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-130	07/24/2015	N	130	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT20	SAIA-CPT20-45	07/28/2015	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-60	07/27/2015	N	50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-75	07/27/2015	N	85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-76	07/27/2015	FD	85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-105	07/27/2015	N	105	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-130	07/27/2015	N	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.35 J**	<0.5	<0.5
SAIA-HP10	SAIA-HP10-40	02/28/2013	N	42	<0.5	<0.5	<0.5	<0.5	**0.23 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP10	SAIA-HP10-50	02/27/2013	N	64	<25	<25	<25	<25	**22 J**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-HP10	SAIA-HP10-70	02/27/2013	N	85	<4	<4	<4	<4	**2.2 J**	<4	<4	<4	<4	<4	<4	<4	**58**	<4	<4
SAIA-HP10	SAIA-HP10-90	02/27/2013	N	102	<25	<25	<25	<25	**13 J**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-HP10	SAIA-HP10-110	02/27/2013	N	122	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.46 J**	<0.5	<0.5
SAIA-HP17	SAIA-HP17-50	03/11/2013	N	65	<2	<2	<2	<2	**0.32 J**	<2	<2	<2	<2	<2	<2	<2	**32**	<2	<2
SAIA-HP17	SAIA-HP17-51	03/11/2013	FD	65	<2	<2	<2	<2	**0.27 J**	<2	<2	<2	<2	<2	<2	<2	**25**	<2	<2
SAIA-HP17	SAIA-HP17-70	03/11/2013	N	82	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**3.6**	<0.5	<0.5
SAIA-HP17	SAIA-HP17-90	03/11/2013	N	100	<0.5	<0.5	<0.5	<0.5	**0.12 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.49 J**	<0.5	<0.5
SAIA-HP17	SAIA-HP17-110	03/11/2013	N	123	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.42 J**	<0.5	<0.5
SAIA-HP18	SAIA-HP18-50	03/12/2013	N	67	<0.5	<0.5	<0.5	<0.5	**0.12 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.17 J**	<0.5	<0.5
SAIA-HP18	SAIA-HP18-70	03/12/2013	N	85	<2	<2	<2	<2	**1.7 J**	**4.5**	<2	<2	<2	<2	<2	<2	**53**	<2	<2
SAIA-HP18	SAIA-HP18-90	03/12/2013	N	100	<5	<5	<5	<5	**5.8**	**7.3**	<5	<5	<5	<5	<5	<5	**29**	<5	<5
SAIA-HP18	SAIA-HP18-91	03/12/2013	FD	100	<4	<4	<4	<4	**8.5**	**11**	<4	<4	<4	<4	<4	<4	**52**	<4	<4
SAIA-HP18	SAIA-HP18-110	03/12/2013	N	124	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.66**	<0.5	<0.5
SAIA-HP21	SAIA-HP21-40	02/26/2013	N	42	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform
SAIA-CPT18	SAIA-CPT18-105	07/31/2015	N	100	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-130	07/31/2015	N	105	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-45	07/27/2015	N	40	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-60	07/24/2015	N	70	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-75	07/24/2015	N	90	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-90	07/24/2015	N	100	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-105	07/24/2015	N	115	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-130	07/24/2015	N	130	<2.5	<25	<25	<25	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SAIA-CPT20	SAIA-CPT20-45	07/28/2015	N	40	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-60	07/27/2015	N	50	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-75	07/27/2015	N	85	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-76	07/27/2015	FD	85	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-105	07/27/2015	N	105	<0.5	<5	<5	<5	<15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-130	07/27/2015	N	130	<0.5	<5	<5	<5	<7.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP10	SAIA-HP10-40	02/28/2013	N	42	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP10	SAIA-HP10-50	02/27/2013	N	64	<25	<250	<250	<250	<250	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-HP10	SAIA-HP10-70	02/27/2013	N	85	<4	<40	<40	<40	<40	**15**	<4	<4	<4	<4	<4	<4	<4	<4	<4
SAIA-HP10	SAIA-HP10-90	02/27/2013	N	102	<25	<250	<250	<250	<250	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-HP10	SAIA-HP10-110	02/27/2013	N	122	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP17	SAIA-HP17-50	03/11/2013	N	65	<2	<20	<20	<20	**12 J**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-HP17	SAIA-HP17-51	03/11/2013	FD	65	<2	<20	<20	<20	**10 J**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-HP17	SAIA-HP17-70	03/11/2013	N	82	<0.5	<5	<5	<5	**16**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP17	SAIA-HP17-90	03/11/2013	N	100	<0.5	<5	<5	<5	**11**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP17	SAIA-HP17-110	03/11/2013	N	123	<0.5	<5	<5	<5	**87**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP18	SAIA-HP18-50	03/12/2013	N	67	<0.5	<5	<5	<5	**4 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP18	SAIA-HP18-70	03/12/2013	N	85	<2	<20	<20	<20	**12 J**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-HP18	SAIA-HP18-90	03/12/2013	N	100	<5	<50	<50	<50	**21 J**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-HP18	SAIA-HP18-91	03/12/2013	FD	100	<4	<40	<40	<40	<40	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
SAIA-HP18	SAIA-HP18-110	03/12/2013	N	124	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP21	SAIA-HP21-40	02/26/2013	N	42	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-CPT18	SAIA-CPT18-105	07/31/2015	N	100	<0.5	**11**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-130	07/31/2015	N	105	<0.5	**1.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-45	07/27/2015	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-60	07/24/2015	N	70	<0.5	**20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-75	07/24/2015	N	90	<0.5	**46**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-90	07/24/2015	N	100	<0.5	**44**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-105	07/24/2015	N	115	<0.5	**46**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-130	07/24/2015	N	130	<2.5	**530**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<3.2	<2.5	<2.5	<2.5
SAIA-CPT20	SAIA-CPT20-45	07/28/2015	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-60	07/27/2015	N	50	<0.5	**9.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-75	07/27/2015	N	85	<0.5	**20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-76	07/27/2015	FD	85	<0.5	**18**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-105	07/27/2015	N	105	<0.5	**7.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-130	07/27/2015	N	130	<0.5	**45**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP10	SAIA-HP10-40	02/28/2013	N	42	<0.5	**11**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP10	SAIA-HP10-50	02/27/2013	N	64	<25	**2,000**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-HP10	SAIA-HP10-70	02/27/2013	N	85	<4	**400**	<4	**2 J**	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
SAIA-HP10	SAIA-HP10-90	02/27/2013	N	102	<25	**560**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-HP10	SAIA-HP10-110	02/27/2013	N	122	<0.5	**5.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP17	SAIA-HP17-50	03/11/2013	N	65	<2	**62**	<2	**1.4 J**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-HP17	SAIA-HP17-51	03/11/2013	FD	65	<2	**50**	<2	**1.1 J**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-HP17	SAIA-HP17-70	03/11/2013	N	82	<0.5	**1.3**	<0.5	**0.38 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP17	SAIA-HP17-90	03/11/2013	N	100	<0.5	**21**	<0.5	**0.069 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP17	SAIA-HP17-110	03/11/2013	N	123	<0.5	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP18	SAIA-HP18-50	03/12/2013	N	67	<0.5	**5.8**	<0.5	**0.097 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP18	SAIA-HP18-70	03/12/2013	N	85	<2	**170**	<2	**2.5**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-HP18	SAIA-HP18-90	03/12/2013	N	100	<5	**460**	<5	**2.2 J**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
SAIA-HP18	SAIA-HP18-91	03/12/2013	FD	100	<4	**960**	<4	**3.8 J**	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
SAIA-HP18	SAIA-HP18-110	03/12/2013	N	124	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP21	SAIA-HP21-40	02/26/2013	N	42	<0.5	**8.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)							Semivolatiles (in ug/L)
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,4-Dioxane (p-Dioxane)
SAIA-CPT18	SAIA-CPT18-105	07/31/2015	N	100	<0.5	<0.5	**1.4**	<0.5	**0.64**	<0.5	<0.5	<0.5
SAIA-CPT18	SAIA-CPT18-130	07/31/2015	N	105	<0.5	<0.5	<0.5	<0.5	**0.53**	<0.5	<0.5	**1.1**
SAIA-CPT19	SAIA-CPT19-45	07/27/2015	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.6**
SAIA-CPT19	SAIA-CPT19-60	07/24/2015	N	70	<0.5	<0.5	**6.7**	<0.5	**1.2**	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-75	07/24/2015	N	90	<0.5	<0.5	**11**	<0.5	**0.52**	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-90	07/24/2015	N	100	<0.5	<0.5	**13**	<0.5	**1.1**	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-105	07/24/2015	N	115	<0.5	<0.5	**3.6**	<0.5	**33**	<0.5	<0.5	<0.5
SAIA-CPT19	SAIA-CPT19-130	07/24/2015	N	130	<2.5	<2.5	**26**	<2.5	**8**	<2.5	<2.5	**0.87**
SAIA-CPT20	SAIA-CPT20-45	07/28/2015	N	40	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.35 J**
SAIA-CPT20	SAIA-CPT20-60	07/27/2015	N	50	<0.5	<0.5	**2**	<0.5	**1.5**	<0.5	<0.5	**0.62**
SAIA-CPT20	SAIA-CPT20-75	07/27/2015	N	85	<0.5	<0.5	**3.5**	<0.5	**2**	<0.5	<0.5	**0.35 J**
SAIA-CPT20	SAIA-CPT20-76	07/27/2015	FD	85	<0.5	<0.5	**3.6**	<0.5	**2**	<0.5	<0.5	**0.42 J**
SAIA-CPT20	SAIA-CPT20-105	07/27/2015	N	105	<0.5	<0.5	**1.2**	<0.5	**0.55**	<0.5	<0.5	<0.5
SAIA-CPT20	SAIA-CPT20-130	07/27/2015	N	130	<0.5	<0.5	**7.6**	<0.5	**0.42 J**	<0.5	<0.5	--
SAIA-HP10	SAIA-HP10-40	02/28/2013	N	42	**0.18 J**	**0.15 J**	**0.33 J**	<0.5	**20**	<0.5	<0.5	<0.5
SAIA-HP10	SAIA-HP10-50	02/27/2013	N	64	<25	<25	**43**	<25	**1,400**	<25	<25	**19**
SAIA-HP10	SAIA-HP10-70	02/27/2013	N	85	<4	<4	**19**	<4	**8.7**	<4	<4	**6**
SAIA-HP10	SAIA-HP10-90	02/27/2013	N	102	<25	<25	**33**	<25	**1,800 J**	<25	<25	**0.6**
SAIA-HP10	SAIA-HP10-110	02/27/2013	N	122	<0.5	<0.5	**0.36 J**	<0.5	**12**	<0.5	<0.5	**32**
SAIA-HP17	SAIA-HP17-50	03/11/2013	N	65	<2	<2	**3.5**	<2	**88**	<2	<2	**1.7**
SAIA-HP17	SAIA-HP17-51	03/11/2013	FD	65	<2	<2	**2.9**	<2	**110**	<2	<2	**1.1**
SAIA-HP17	SAIA-HP17-70	03/11/2013	N	82	<0.5	<0.5	**0.29 J**	<0.5	**10**	<0.5	<0.5	**1.2**
SAIA-HP17	SAIA-HP17-90	03/11/2013	N	100	<0.5	<0.5	**2.3**	<0.5	**24**	<0.5	<0.5	**1.8**
SAIA-HP17	SAIA-HP17-110	03/11/2013	N	123	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5	**7.1**
SAIA-HP18	SAIA-HP18-50	03/12/2013	N	67	<0.5	<0.5	**0.79**	<0.5	**40**	<0.5	<0.5	**2.6**
SAIA-HP18	SAIA-HP18-70	03/12/2013	N	85	<2	<2	**13**	<2	**38**	<2	<2	**6.8**
SAIA-HP18	SAIA-HP18-90	03/12/2013	N	100	<5	<5	**66**	<5	**180**	<5	<5	**13**
SAIA-HP18	SAIA-HP18-91	03/12/2013	FD	100	<4	<4	**100**	<4	**410**	<4	<4	**11**
SAIA-HP18	SAIA-HP18-110	03/12/2013	N	124	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP21	SAIA-HP21-40	02/26/2013	N	42	<0.5	<0.5	<0.5	<0.5	**0.62**	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ugL)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2-trifluoroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene
SAIA-HP21	SAIA-HP21-50	02/26/2013	N	64	<25	<25	<25	<25	**13 J**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-HP21	SAIA-HP21-70	02/26/2013	N	85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**3.8**	**0.38 J**	<0.5
SAIA-HP21	SAIA-HP21-90	02/26/2013	N	102	<2	<2	<2	<2	**1.3 J**	<2	<2	<2	<2	<2	<2	<2	**7.6**	<2	<2
SAIA-HP21	SAIA-HP21-110	02/26/2013	N	122	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP21	SAIA-HP21-140	02/26/2013	N	142	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-50	02/28/2013	N	64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-70	02/28/2013	N	89	<0.5	<0.5	<0.5	<0.5	**7.9**	**2.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.3**	**0.47 J**	<0.5
SAIA-HP36	SAIA-HP36-90	02/28/2013	N	108	<0.5	<0.5	<0.5	<0.5	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.4 J**	<0.5	<0.5
SAIA-HP36	SAIA-HP36-110	02/28/2013	N	128	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.1**	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)														
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform
SAIA-HP21	SAIA-HP21-50	02/26/2013	N	64	<25	<250	<250	<250	<250	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-HP21	SAIA-HP21-70	02/26/2013	N	85	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP21	SAIA-HP21-90	02/26/2013	N	102	<2	<20	<20	<20	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-HP21	SAIA-HP21-110	02/26/2013	N	122	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP21	SAIA-HP21-140	02/26/2013	N	142	<0.5	**3.3 J**	<5	<5	**14**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-50	02/28/2013	N	64	<0.5	<5	<5	<5	**4.9 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-70	02/28/2013	N	89	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-90	02/28/2013	N	108	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-110	02/28/2013	N	128	<0.5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)															
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Chloromethane	cis-1,2-Dichloroethylene	cis-1,3-Dichloropropene	Cyclohexane	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Isopropylbenzene (Cumene)	m,p-Xylene	Methyl Acetate	Methylcyclohexane	Methylene Chloride	o-Xylene	Styrene	tert-Butyl Methyl Ether (MTBE)
SAIA-HP21	SAIA-HP21-50	02/26/2013	N	64	<25	**2,100**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
SAIA-HP21	SAIA-HP21-70	02/26/2013	N	85	<0.5	**20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP21	SAIA-HP21-90	02/26/2013	N	102	<2	**30**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
SAIA-HP21	SAIA-HP21-110	02/26/2013	N	122	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP21	SAIA-HP21-140	02/26/2013	N	142	<0.5	**2.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-50	02/28/2013	N	64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-70	02/28/2013	N	89	<0.5	**61**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-90	02/28/2013	N	108	<0.5	**18**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-110	02/28/2013	N	128	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Appendix E-4
Analytical Results for Discrete-Depth Groundwater Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

					Volatiles (in ug/L)							Semivolatiles (in ug/L)
Location ID	Sample ID	Sample Date	Sample Type	Sample Depth	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl Chloride	1,4-Dioxane (p-Dioxane)
SAIA-HP21	SAIA-HP21-50	02/26/2013	N	64	<25	<25	**50**	<25	**3,500**	<25	<25	**33**
SAIA-HP21	SAIA-HP21-70	02/26/2013	N	85	<0.5	<0.5	**1.7**	<0.5	**4.5**	<0.5	<0.5	**0.56**
SAIA-HP21	SAIA-HP21-90	02/26/2013	N	102	<2	<2	**4.2**	<2	**170**	<2	<2	**6**
SAIA-HP21	SAIA-HP21-110	02/26/2013	N	122	<0.5	<0.5	<0.5	<0.5	**0.22 J**	<0.5	<0.5	<0.5
SAIA-HP21	SAIA-HP21-140	02/26/2013	N	142	<0.5	<0.5	<0.5	<0.5	**3.9**	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-50	02/28/2013	N	64	<0.5	<0.5	<0.5	<0.5	**0.34 J**	<0.5	<0.5	<0.5
SAIA-HP36	SAIA-HP36-70	02/28/2013	N	89	<0.5	<0.5	**4.5**	<0.5	**12**	<0.5	**6.6**	**23**
SAIA-HP36	SAIA-HP36-90	02/28/2013	N	108	<0.5	<0.5	**2**	<0.5	**0.61**	<0.5	<0.5	**1.9**
SAIA-HP36	SAIA-HP36-110	02/28/2013	N	128	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:
Detected results shown in bold
ID = identification number
FD = Field duplicate sample results
J = estimated value
N = Normal sample results
R = Rejected results
ug/L = Micrograms per liter
-- = Not analyzed

Appendix E-5

Analytical Results for Air Samples

Appendix E-5
Analytical Results for Air Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

Location ID	Sample ID	Sample Date	Sample Type	Volatiles (in ug/m3)										
				1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	Benzene	cis-1,2-Dichloroethylene	Ethylbenzene	m,p-Xylene
RES01-CS01	RES01-CS01-0415	04/17/2015	N	<0.15	<0.14	<0.15	<0.5	**0.47**	**0.054 J**	**0.13 J**	**0.86**	<0.15	**0.34**	**1.1**
RES01-CS01	RES01-CS01-0116	01/27/2016	N	<0.16	<0.15	<0.15	<0.15	**0.93 J**	<0.13	**0.19 J**	**0.89 J**	<0.15	**0.59 J**	**2 J**
RES01-IA01	RES01-IA01-0415	04/17/2015	N	<0.15	<0.14	<0.15	<0.5	**0.4**	**0.19**	**0.11 J**	**0.63**	<0.15	**0.34**	**1**
RES01-IA01	RES01-IA01-0116	01/27/2016	N	<0.17	<0.15	<0.15	<0.15	**1.4**	**0.08 J**	**0.27 J**	**1.2**	<0.15	**0.98**	**3.3**
RES01-OA01	RES01-OA01-0116	01/27/2016	N	<0.17	<0.15	<0.15	<0.15	**1.6**	**0.07 J**	**0.35 J**	**1.6**	<0.15	**1.1**	**3.7**
RES01-OA01	RES01-OA01-0116	01/27/2016	FD	<0.16	<0.14	<0.14	<0.14	**1.6**	<0.13	**0.33 J**	**1.2**	<0.14	**0.97**	**3.3**
RES02-CS01	RES02-CS01-0415	04/17/2015	N	<0.15	<0.14	<0.15	<0.5	**0.36**	**0.051 J**	**0.099 J**	**0.71**	<0.15	**0.3**	**0.96**
RES02-CS01	RES02-CS01-0116	01/27/2016	N	<0.16	<0.14	<0.14	<0.14	**1.4**	<0.13	**0.27 J**	**1.2**	<0.14	**0.82**	**2.7**
RES02-IA01	RES02-IA01-0415	04/24/2015	N	<0.16	<0.15	<0.16	<0.52	**0.37**	**0.043 J**	**0.094 J**	**0.55**	<0.16	**0.21**	**0.65**
RES02-IA01	RES02-IA01-0116	01/27/2016	N	<0.16	<0.14	<0.14	<0.14	**1.1 J**	**0.07 J**	**0.22 J**	**1.5 J**	<0.14	**0.67 J**	**2.2 J**
RES03-IA01	RES03-IA01-0415	04/23/2015	N	<0.16	<0.15	<0.16	<0.53	**0.54**	**0.099 J**	**0.16 J**	**0.66**	<0.16	**0.31**	**0.92**
RES03-IA01	RES03-IA01-0116	01/27/2016	N	<0.16	<0.14	<0.14	<0.14	**1.8**	**0.09 J**	**0.34 J**	**1.8**	<0.14	**0.84**	**2.7**
RES04-IA02	RES04-IA02-0415	04/23/2015	N	<0.16	<0.15	<0.16	<0.52	**0.68**	**0.068 J**	**0.18 J**	**0.78**	<0.16	**0.37**	**1**
RES04-IA02	RES04-IA02-0116	01/28/2016	N	<0.17	<0.15	<0.15	<0.15	**13**	**0.08 J**	**1.9 J**	**1.3**	<0.15	**2.4**	**4.9**
RES05-IA04	RES05-IA04-0415	04/24/2015	N	<0.16	<0.15	<0.16	<0.52	**0.5**	**0.27**	**0.13 J**	**0.88**	<0.16	**0.42**	**1.2**
RES05-IA04	RES05-IA04-0116	01/27/2016	N	<0.16	<0.14	<0.14	<0.14	**1.3 J**	**0.43 J**	**0.25 J**	**2.7 J**	<0.14	**0.66 J**	**2.1 J**
RES06-IA02	RES06-IA02-0415	04/16/2015	N	<0.15	<0.14	<0.15	<0.5	**0.4**	**0.11 J**	**0.11 J**	**0.61**	<0.15	**0.44**	**1**
RES06-IA02	RES06-IA02-0116	01/28/2016	N	<0.16	<0.14	<0.14	<0.14	**1.9**	**0.16**	**0.41 J**	**1.6**	<0.14	**1.1**	**3.6**
RES06-IA02	RES06-IA01-0116	01/28/2016	FD	<0.16	<0.14	<0.14	<0.14	**1.9**	**0.17**	**0.41 J**	**1.6**	<0.14	**1.1**	**3.6**
RES06-OA01	RES06-OA01-0415	04/24/2015	N	<0.16	<0.15	<0.16	<0.54	**0.32**	<0.13	**0.094 J**	**0.48 J**	<0.16	**0.22**	**0.68**
RES06-OA02	RES06-OA02-0116	01/28/2016	N	**0.08 J**	<0.14	<0.14	<0.14	**1.3**	**0.07 J**	**0.28 J**	**1.6**	<0.14	**0.87**	**2.9**
RES07-IA01	RES07-IA01-0415	04/16/2015	N	<0.15	<0.14	<0.15	<0.5	**0.51**	**0.09 J**	**0.14 J**	**0.76**	<0.15	**0.67**	**2.2**
RES07-IA02	RES07-IA02-0116	01/28/2016	N	**0.08 J**	<0.15	<0.15	<0.15	**1.7**	**0.36**	**0.33 J**	**1.7**	<0.15	**1.3**	**4.2**
RES07-OA01	RES07-OA01-0415	04/16/2015	N	<0.15	<0.14	<0.15	<0.5	**0.39**	**0.059 J**	**0.11 J**	**0.66**	<0.15	**0.29**	**0.96**
RES08-CS01	RES08-CS01-0415	04/17/2015	N	<0.15	<0.14	<0.15	<0.5	**0.38**	**0.051 J**	**0.11 J**	**0.69**	<0.15	**0.29**	**0.96**
RES08-CS01	RES08-CS01-0116	01/27/2016	N	<0.16	<0.15	<0.15	<0.15	**1.2**	<0.13	**0.26 J**	**1.3**	<0.15	**0.79**	**2.6**
RES08-IA01	RES08-IA01-0415	04/17/2015	N	<0.15	<0.14	<0.15	<0.5	**0.41**	**0.077 J**	**0.1 J**	**0.75**	<0.15	**0.3**	**1**
RES08-IA01	RES08-IA01-0116	01/27/2016	N	<0.16	<0.14	<0.14	<0.14	**1.2**	<0.13	**0.26 J**	**1.5**	<0.14	**0.8**	**2.6**

Appendix E-5
Analytical Results for Air Samples
Southern Avenue Industrial Area Superfund Site
South Gate, California

				Volatiles (in ug/m3)						
Location ID	Sample ID	Sample Date	Sample Type	Naphthalene	o-Xylene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	Trichloroethene (TCE)	Vinyl Chloride
RES01-CS01	RES01-CS01-0415	04/17/2015	N	<0.38	**0.37**	**0.11 J**	**2**	<0.32	<0.14	<0.42
RES01-CS01	RES01-CS01-0116	01/27/2016	N	<0.41	**0.71 J**	**0.14 J**	**2.9 J**	<0.15	<0.15	--
RES01-IA01	RES01-IA01-0415	04/17/2015	N	<0.38	**0.35**	**1.4**	**3.3**	<0.32	**0.054 J**	<0.42
RES01-IA01	RES01-IA01-0116	01/27/2016	N	<0.41	**1.1**	**1.3**	**4.3**	<0.15	**0.09 J**	--
RES01-OA01	RES01-OA01-0116	01/27/2016	N	<0.42	**1.3**	**0.24**	**5.3**	<0.15	<0.15	--
RES01-OA01	RES01-OA01-0116	01/27/2016	FD	<0.4	**1.2**	**0.21**	**4.4**	<0.14	<0.14	--
RES02-CS01	RES02-CS01-0415	04/17/2015	N	<0.38	**0.32**	**0.089 J**	**1.8**	<0.32	<0.14	<0.42
RES02-CS01	RES02-CS01-0116	01/27/2016	N	<0.41	**0.97**	**0.2**	**4.2**	<0.14	<0.15	--
RES02-IA01	RES02-IA01-0415	04/24/2015	N	<0.4	**0.23**	**0.078 J**	**1.3**	<0.33	**0.018 J**	<0.44
RES02-IA01	RES02-IA01-0116	01/27/2016	N	<0.4	**0.79 J**	**0.18 J**	**3.8 J**	<0.14	<0.15	--
RES03-IA01	RES03-IA01-0415	04/23/2015	N	<0.4	**0.34**	**0.084 J**	**3.6**	<0.33	**0.059 J**	<0.44
RES03-IA01	RES03-IA01-0116	01/27/2016	N	<0.41	**0.98**	**0.18**	**4.7**	<0.14	<0.15	--
RES04-IA02	RES04-IA02-0415	04/23/2015	N	<0.4	**0.41**	**0.14 J**	**2.1**	<0.33	**0.07 J**	<0.44
RES04-IA02	RES04-IA02-0116	01/28/2016	N	**0.24 J**	**2.1**	**0.31**	**5.9**	<0.15	**0.08 J**	--
RES05-IA04	RES05-IA04-0415	04/24/2015	N	<0.4	**0.43**	**0.093 J**	**2.5**	<0.33	**0.06 J**	<0.44
RES05-IA04	RES05-IA04-0116	01/27/2016	N	<0.4	**0.74 J**	**0.25 J**	**4.2 J**	<0.14	<0.14	--
RES06-IA02	RES06-IA02-0415	04/16/2015	N	<0.38	**0.36**	**0.12 J**	**1.8**	<0.32	<0.14	<0.43
RES06-IA02	RES06-IA02-0116	01/28/2016	N	<0.4	**1.3**	**0.29**	**5.9**	<0.14	<0.14	--
RES06-IA02	RES06-IA01-0116	01/28/2016	FD	<0.4	**1.3**	**0.28**	**5.7**	<0.14	<0.14	--
RES06-OA01	RES06-OA01-0415	04/24/2015	N	<0.41	**0.25**	**0.08 J**	**1.3**	<0.34	<0.15	<0.45
RES06-OA02	RES06-OA02-0116	01/28/2016	N	<0.4	**1**	**0.23**	**5**	<0.14	<0.14	--
RES07-IA01	RES07-IA01-0415	04/16/2015	N	<0.38	**0.6**	**0.14 J**	**2.6**	<0.32	**0.052 J**	<0.43
RES07-IA02	RES07-IA02-0116	01/28/2016	N	<0.41	**1.3**	**0.25**	**5.5**	<0.15	**0.07 J**	--
RES07-OA01	RES07-OA01-0415	04/16/2015	N	<0.38	**0.32**	**0.086 J**	**1.7**	<0.32	<0.14	<0.43
RES08-CS01	RES08-CS01-0415	04/17/2015	N	<0.38	**0.33**	**0.11 J**	**1.7**	<0.32	**0.05 J**	<0.43
RES08-CS01	RES08-CS01-0116	01/27/2016	N	<0.41	**0.95**	**0.21**	**4.4**	<0.15	<0.15	--
RES08-IA01	RES08-IA01-0415	04/17/2015	N	<0.38	**0.36**	**0.094 J**	**2**	<0.32	**0.05 J**	<0.43
RES08-IA01	RES08-IA01-0116	01/27/2016	N	<0.4	**0.94**	**0.21**	**4.5**	<0.14	<0.15	--

Notes:
Detected results shown in bold
FD = Field duplicate
ID = Identification number
J = estimated value
N = Normal sample results
ug/m3 = Micrograms per cubic meter
-- = Not analyzed

Appendix E-6

Commercial Laboratory Analytical Report

Mobile Geochemistry Inc.

09 October 2013

Mr. Don Gruber
ITSI Gilbane Company
2934 Gold Pan Court, Ste 12
Rancho Cordova, CA 95670

H&P Project: ITSI040813-A2 Rev (Day 1)
Client Project: 07163.0064.FI0301/5211 Southern Ave

Dear Mr. Don Gruber:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 08-Apr-13 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa D Erz for

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG6-5, 1PV, P433cc	E304021-01	Vapor	08-Apr-13	08-Apr-13
SG6-5, 3PV, P1299cc	E304021-02	Vapor	08-Apr-13	08-Apr-13
SG6-5, 10PV, P4330cc	E304021-03	Vapor	08-Apr-13	08-Apr-13
SG6-15, 1PV, P481cc	E304021-04	Vapor	08-Apr-13	08-Apr-13
SG6-25, 1PV, P530cc	E304021-05	Vapor	08-Apr-13	08-Apr-13
SG6-25, 3PV, P1590cc	E304021-06	Vapor	08-Apr-13	08-Apr-13
SG6-15, 3PV, P1443cc	E304021-07	Vapor	08-Apr-13	08-Apr-13
SG6-25, 10PV, P5298cc	E304021-08	Vapor	08-Apr-13	08-Apr-13

On April 8, 2013 the percent recoveries for Naphthalene, p-Isopropyltoluene, and 1,2,4-Trichlorobenzene fell above the method criteria in the continuing calibration verification. The data has been qualified accordingly.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-5, 1PV, P433cc (E304021-01) Vapor	**Sampled: 08-Apr-13**	**Received: 08-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**47**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**4900**	65	"	5	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**68**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**67**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**250**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1800**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**36**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**560**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**120**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**220**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**190**	22	"	"	"	"	"	"	
m,p-Xylene	**660**	44	"	"	"	"	"	"	
o-Xylene	**330**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**130**	25	"	"	"	"	"	"	
n-Propylbenzene	**160**	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**590**	25	"	"	"	"	"	"	
tert-Butylbenzene	**220**	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**1800**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**230**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**310**	28	"	"	"	"	"	"	C-High
n-Butylbenzene	**350**	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-5, 1PV, P433cc (E304021-01) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
Naphthalene	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.0 %*		*56-127*	"	"	"	"	
SG6-5, 3PV, P1299cc (E304021-02) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**33**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**5000**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**44**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**62**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**220**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1500**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**43**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**440**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**110**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**190**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**160**	22	"	"	"	"	"	"	
m,p-Xylene	**570**	44	"	"	"	"	"	"	
o-Xylene	**300**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**130**	25	"	"	"	"	"	"	
n-Propylbenzene	**150**	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-5, 3PV, P1299cc (E304021-02) Vapor	**Sampled: 08-Apr-13**	**Received: 08-Apr-13**							
1,3,5-Trimethylbenzene	**540**	25	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
tert-Butylbenzene	**210**	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**1600**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**220**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**280**	28	"	"	"	"	"	"	C-High
n-Butylbenzene	**350**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.5 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*	*56-127*		"	"	"	"	
SG6-5, 10PV, P4330cc (E304021-03) Vapor	**Sampled: 08-Apr-13**	**Received: 08-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**45**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**7000**	65	"	5	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**61**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**65**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**270**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1800**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**36**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**480**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**110**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**240**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-5, 10PV, P4330cc (E304021-03) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Ethylbenzene	**180**	22	"	"	"	"	"	"	
m,p-Xylene	**680**	44	"	"	"	"	"	"	
o-Xylene	**360**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**150**	25	"	"	"	"	"	"	
n-Propylbenzene	**190**	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**710**	25	"	"	"	"	"	"	
tert-Butylbenzene	**290**	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**2300**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**280**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**380**	28	"	"	"	"	"	"	C-High
n-Butylbenzene	**570**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.6 %*		*56-127*	"	"	"	"	
SG6-15, 1PV, P481cc (E304021-04) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**110**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1800**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-15, 1PV, P481cc (E304021-04) Vapor	**Sampled: 08-Apr-13**	**Received: 08-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**44**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**180**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**29**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**51**	28	"	"	"	"	"	"	C-High
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	**32**	27	"	"	"	"	"	"	C-High
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.2 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.3 %*	*56-127*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-25, 1PV, P530cc (E304021-05) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-25, 1PV, P530cc (E304021-05) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
Naphthalene	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*91.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*		*56-127*	"	"	"	"	
SG6-25, 3PV, P1590cc (E304021-06) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**85**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**120000**	650	"	50	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**2900**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1900**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**890**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**430000**	4000	"	100	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**170**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**3200**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**110**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**78**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**50**	22	"	"	"	"	"	"	
m,p-Xylene	**160**	44	"	"	"	"	"	"	
o-Xylene	**71**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	**53**	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-25, 3PV, P1590cc (E304021-06) Vapor	**Sampled: 08-Apr-13**	**Received: 08-Apr-13**							
1,3,5-Trimethylbenzene	**160**	25	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
tert-Butylbenzene	**64**	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**480**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**83**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**120**	28	"	"	"	"	"	"	C-High
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*63.6 %*	*56-127*		"	"	"	"	
SG6-15, 3PV, P1443cc (E304021-07) Vapor	**Sampled: 08-Apr-13**	**Received: 08-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**500**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**39**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3800**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**43**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-15, 3PV, P1443cc (E304021-07) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**34**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**120**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**29**	28	"	"	"	"	"	"	C-High
n-Butylbenzene	**44**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.2 %*		*56-127*	"	"	"	"	
SG6-25, 10PV, P5298cc (E304021-08) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**270**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**130000**	1300	"	100	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**6800**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**4300**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**1900**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**470000**	4000	"	100	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**530**	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-25, 10PV, P5298cc (E304021-08) Vapor Sampled: 08-Apr-13 Received: 08-Apr-13									
Carbon tetrachloride	ND	13	ug/m3	1	ED30803	08-Apr-13	08-Apr-13	TO-15	
Trichloroethene	**2600**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**110**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**61**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**89**	22	"	"	"	"	"	"	
m,p-Xylene	**220**	44	"	"	"	"	"	"	
o-Xylene	**120**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**100**	25	"	"	"	"	"	"	
n-Propylbenzene	**99**	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**320**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**890**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**180**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**250**	28	"	"	"	"	"	"	C-High
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.3 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*	*56-127*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED30803 - TO-15										
Blank (ED30803-BLK1)				Prepared & Analyzed: 08-Apr-13						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED30803 - TO-15										
Blank (ED30803-BLK1)				Prepared & Analyzed: 08-Apr-13						
1,4-Dichlorobenzene	ND	30	ug/m3							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: Toluene-d8	*328*		*"*	*345*		*95.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*594*		*"*	*610*		*97.3*	*56-127*			
LCS (ED30803-BS1)				Prepared & Analyzed: 08-Apr-13						
Dichlorodifluoromethane (F12)	240	25	ug/m3	250		97.3	65-135			
Vinyl chloride	110	13	"	130		85.1	65-135			
Chloroethane	100	27	"	134		76.1	65-135			
Trichlorofluoromethane (F11)	290	28	"	283		101	65-135			
1,1-Dichloroethene	190	20	"	202		92.2	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	310	39	"	387		80.1	65-135			
Methylene chloride (Dichloromethane)	140	18	"	177		78.4	65-135			
trans-1,2-Dichloroethene	160	40	"	202		77.2	65-135			
1,1-Dichloroethane	170	41	"	206		82.8	65-135			
cis-1,2-Dichloroethene	210	40	"	202		103	65-135			
Chloroform	240	25	"	247		96.5	65-135			
1,1,1-Trichloroethane	300	28	"	276		107	65-135			
1,2-Dichloroethane (EDC)	240	21	"	206		116	65-135			
Benzene	130	16	"	162		82.5	65-135			
Carbon tetrachloride	320	13	"	320		101	65-135			
Trichloroethene	240	27	"	272		87.6	65-135			
Toluene	150	19	"	191		79.2	65-135			
1,1,2-Trichloroethane	230	28	"	276		84.3	65-135			
Tetrachloroethene	320	34	"	345		92.6	65-135			
1,1,1,2-Tetrachloroethane	340	35	"	349		97.7	65-135			
Ethylbenzene	180	22	"	220		82.3	65-135			
m,p-Xylene	350	44	"	440		78.4	65-135			
o-Xylene	180	22	"	220		81.3	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED30803 - TO-15										
LCS (ED30803-BS1)				Prepared & Analyzed: 08-Apr-13						
1,1,2,2-Tetrachloroethane	240	35	ug/m3	349		69.9	65-135			
Surrogate: Toluene-d8	*330*		*"*	*345*		*95.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*679*		*"*	*610*		*111*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Notes and Definitions

C-High	The percent recovery for this analyte fell above the method criteria in the continuing calibration verification (CCV). Results may be biased high.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev (Day 1)	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301/5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:17

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

H&P Mobile Geochemistry Inc.

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/8/2013
H&P Project # ITSI040813-A2
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct. Ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com

Collector: M. Montemayor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave. South Gate, CA.
Phone: 916-853-1839 Fax:

Page: 1 of 1
Project Contact: Ed. Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☑ No ☐

Sample Receipt
Intact: ☑ ~~Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ☑ ~~N/A~~
Cold: ☐ Yes ☐ No ☑ ~~N/A~~
Temperature: 20°C

Special Instructions: Level IV

Lab Work Order # E304021/ED30803

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO2 ☐ O2 ☐ N2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG6-5 1PV		433cc	0939	4/8/13	Vapor	Glass Syringe	1						X							X		
SG6-5 3PV		1299cc	0931				1						X							X		
SG6-5 10PV		4330cc	1004				1						X							X		
SG6-15 1PV		481cc	1049				1						X							X		
SG6-25 1PV		530cc	1201				1						X							X		
SG6-25 3PV		1590cc	1252				1						X							X		
SG6-15 3PV		1443cc	1425				1						X							X		
SG6-25 10PV		5298cc	1446				1						X							X		
~~SG6-25 [illegible] 1PV~~		581cc	1559				1						X							X		

Relinquished by: (Signature)	(company) ITSI Gilbane	Received by: (Signature)	(company) H&P	Date: 4/8/2013	Time: 16:35
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor & Troy T.

Date: 4/8/2013
Arrival Time: 7:45
Departure Time: 16:45
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG6-5 1PV	SV0022	04/08/13	0839	5'	6.5'	1/4"	2"	12"	2"	6"	433	✓	<200	0	PVT: 1PV
2	SG6-5 1PV R	SV0024		0906								483	✓		0	Resample
3	SG6-5 3PV	SV0023		0931								1299	✓		0	
4	SG6-5 10PV	SV0022		1004								4330	✓		0	
5	SG6-5 10PV R	SV0024		1026	↓	↓						4380	✓		0	Resample
6	SG6-15 1PV	SV0021		1049	15	16.5						481	✓		0	
7	SG6-25 1PV	SV0023		1201	25	26.5						530	✓		0	
8	SG6-25 3PV	SV0022		1252	25	26.5						1598	✓		1	
9	SG6-25 3PV R	SV0024		1334	25	26.5						1640	✓		1	resample
10	SG6-25 3PV RR	SV0021		1349	25	26.5						1700	✓		1	resample
11	SG6-15 3PV	SV0024		1425	15	16.5						1443	✓		6	
12	SG6-25 10PV	SV0022	↓	1446	25	26.5	↓	↓	↓	↓	↓	5298	✓	↓	0	

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-5					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:			*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/8/2013
Arrival Time: 7:45
Departure Time: 16:45
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG6-15 10PV	SV002	04/08/13	NA	15	16.5	1/4"	2	12	2	6	4814	✓	50	6	*not sampling
14	SG6-25 10pv R	SV0021	↓	1522	25	26.5	↓	↓	↓	↓	↓	5348	✓	<200	1	resample
15	SG6-35 1PV	SV0024	↓	1559	35	37	↓	↓	↓	↓	↓	581	✓	<200	0	Not reported
16		SV002														
17		SV002														
18		SV002														
19		SV002														
20		SV002														
21		SV002														
22		SV002														
23		SV002														
24		SV002														

Purge Volume Calculation

Probe ID for PVT, if applicable:			SG6-5			
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:		3pv	*Selected by:*			Ed Gillera

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.
*Client decided not to purge sample SG6-15 10PV due to high vacuum. Purging @ 50 mL/min would take approx. 2 hours.

Mobile Geochemistry Inc.

09 October 2013

Mr. Don Gruber
ITSI Gilbane Company
2934 Gold Pan Court, Ste 12
Rancho Cordova, CA 95670

H&P Project: ITSI040813-A2 Rev
Client Project: 07163.0064.FI0301 / 5211 Southern Ave

Dear Mr. Don Gruber:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 4/9/2013 -4/18/2013 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa D Ems for

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG6-35, 1PV, P581cc	E304025-01	Vapor	09-Apr-13	09-Apr-13
SG6-35, 3PV, P1742cc	E304025-02	Vapor	09-Apr-13	09-Apr-13
SG6-35, 10PV, P5806cc	E304025-03	Vapor	09-Apr-13	09-Apr-13
SG13-5, P4330cc	E304025-04	Vapor	09-Apr-13	09-Apr-13
SG13-15, P4814cc	E304025-05	Vapor	09-Apr-13	09-Apr-13
SG13-25, P5298cc	E304025-06	Vapor	09-Apr-13	09-Apr-13
SG13-35, P5806cc	E304025-07	Vapor	09-Apr-13	09-Apr-13
SG14-5, P4330cc	E304025-08	Vapor	09-Apr-13	09-Apr-13
SG14-15, P4814cc	E304025-09	Vapor	09-Apr-13	09-Apr-13
SG14-15 Rep, P4864cc	E304025-10	Vapor	09-Apr-13	09-Apr-13
SG14-25, P5298cc	E304025-11	Vapor	09-Apr-13	09-Apr-13
SG14-35, P5806cc	E304025-12	Vapor	09-Apr-13	09-Apr-13
SG10-5, P4330cc	E304035-01	Vapor	10-Apr-13	10-Apr-13
SG10-15, P4814cc	E304035-02	Vapor	10-Apr-13	10-Apr-13
SG10-25, P5298cc	E304035-03	Vapor	10-Apr-13	10-Apr-13
SG10-35, P5806cc	E304035-04	Vapor	10-Apr-13	10-Apr-13
SG9-5, P4330cc	E304035-05	Vapor	10-Apr-13	10-Apr-13
SG9-15, P4814cc	E304035-06	Vapor	10-Apr-13	10-Apr-13
SG9-25, P5298cc	E304035-07	Vapor	10-Apr-13	10-Apr-13
SG9-35, P5806cc	E304035-08	Vapor	10-Apr-13	10-Apr-13
SG3-5, P4330cc	E304035-09	Vapor	10-Apr-13	10-Apr-13
SG3-5 Rep, P4380cc	E304035-10	Vapor	10-Apr-13	10-Apr-13
SG3-25, P5298cc	E304035-11	Vapor	10-Apr-13	10-Apr-13
SG3-35, P5806cc	E304043-01	Vapor	11-Apr-13	11-Apr-13
SG3-15, P4814cc	E304043-02	Vapor	11-Apr-13	11-Apr-13
SG4-5, P4330cc	E304043-03	Vapor	11-Apr-13	11-Apr-13
SG4-15, P4814cc	E304043-04	Vapor	11-Apr-13	11-Apr-13
SG4-25, P5298cc	E304043-05	Vapor	11-Apr-13	11-Apr-13

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG4-35, P5806cc	E304043-06	Vapor	11-Apr-13	11-Apr-13
SG2-5, P4330cc	E304043-07	Vapor	11-Apr-13	11-Apr-13
SG2-5 Rep, P5580cc	E304043-08	Vapor	11-Apr-13	11-Apr-13
SG2-15, P4814cc	E304043-09	Vapor	11-Apr-13	11-Apr-13
SG2-25, P5298cc	E304043-10	Vapor	11-Apr-13	11-Apr-13
SG2-35, P5806cc	E304043-11	Vapor	11-Apr-13	11-Apr-13
SG12-5, P4330cc	E304043-12	Vapor	11-Apr-13	11-Apr-13
SG12-15, P4814cc	E304054-01	Vapor	12-Apr-13	12-Apr-13
SG12-25, P5298cc	E304054-02	Vapor	12-Apr-13	12-Apr-13
SG12-35, P5806cc	E304054-03	Vapor	12-Apr-13	12-Apr-13
SG1-5, P4330cc	E304054-04	Vapor	12-Apr-13	12-Apr-13
SG1-15, P4814cc	E304054-05	Vapor	12-Apr-13	12-Apr-13
SG1-25, P5298cc	E304054-06	Vapor	12-Apr-13	12-Apr-13
SG1-35, P5806cc	E304054-07	Vapor	12-Apr-13	12-Apr-13
SG17-5, P4330cc	E304054-08	Vapor	12-Apr-13	12-Apr-13
SG17-15, P4814cc	E304054-09	Vapor	12-Apr-13	12-Apr-13
SG17-25, P5298cc	E304054-10	Vapor	12-Apr-13	12-Apr-13
SG17-35, P5806cc	E304054-11	Vapor	12-Apr-13	12-Apr-13
SG16-5, P4330cc	E304054-12	Vapor	12-Apr-13	12-Apr-13
SG16-5 Rep, P4380cc	E304054-13	Vapor	12-Apr-13	12-Apr-13
SG16-15, P4814cc	E304054-14	Vapor	12-Apr-13	12-Apr-13
SG16-25, P5298cc	E304060-01	Vapor	15-Apr-13	15-Apr-13
SG16-35, P5806cc	E304060-02	Vapor	15-Apr-13	15-Apr-13
SG15-5, P4330cc	E304060-03	Vapor	15-Apr-13	15-Apr-13
SG15-15, P4814cc	E304060-04	Vapor	15-Apr-13	15-Apr-13
SG15-25, P5298cc	E304060-05	Vapor	15-Apr-13	15-Apr-13
SG15-35, P5806cc	E304060-06	Vapor	15-Apr-13	15-Apr-13
SG8-5, P4330cc	E304060-07	Vapor	15-Apr-13	15-Apr-13

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG8-15, P4814cc	E304060-08	Vapor	15-Apr-13	15-Apr-13
SG8-25, P5298cc	E304060-09	Vapor	15-Apr-13	15-Apr-13
SG8-35, P5806cc	E304060-10	Vapor	15-Apr-13	15-Apr-13
SG7-5, P4330cc	E304060-11	Vapor	15-Apr-13	15-Apr-13
SG7-5 Rep, P4380cc	E304060-12	Vapor	15-Apr-13	15-Apr-13
SG7-15, P4814cc	E304065-01	Vapor	16-Apr-13	16-Apr-13
SG7-25, P5298cc	E304065-02	Vapor	16-Apr-13	16-Apr-13
SG7-35, P5806cc	E304065-03	Vapor	16-Apr-13	16-Apr-13
SG5-5, P4330cc	E304065-04	Vapor	16-Apr-13	16-Apr-13
SG5-5 Rep, P4380cc	E304065-05	Vapor	16-Apr-13	16-Apr-13
SG5-15, P4814cc	E304065-06	Vapor	16-Apr-13	16-Apr-13
SG5-25, P5298cc	E304065-07	Vapor	16-Apr-13	16-Apr-13
SG5-35, P5806cc	E304065-08	Vapor	16-Apr-13	16-Apr-13
SG11-5, P4330cc	E304065-09	Vapor	16-Apr-13	16-Apr-13
SG11-15, P4814cc	E304065-10	Vapor	16-Apr-13	16-Apr-13
SG11-25, P5298cc	E304065-11	Vapor	16-Apr-13	16-Apr-13
SG11-35, P5806cc	E304065-12	Vapor	16-Apr-13	16-Apr-13
SG18-5, P4330cc	E304065-13	Vapor	16-Apr-13	16-Apr-13
SG18-15, P4814cc	E304065-14	Vapor	16-Apr-13	16-Apr-13
SG18-25, P5298cc	E304065-15	Vapor	16-Apr-13	16-Apr-13
SG18-35, P5806cc	E304070-01	Vapor	17-Apr-13	17-Apr-13
JW-SB6-5, P4330cc	E304070-02	Vapor	17-Apr-13	17-Apr-13
JW-SB6-15, P4814cc	E304070-03	Vapor	17-Apr-13	17-Apr-13
JW-SB6-25, P5298cc	E304070-04	Vapor	17-Apr-13	17-Apr-13
JW-SB6-35, P5806cc	E304070-05	Vapor	17-Apr-13	17-Apr-13
JW-SB6-35 Rep, P5906cc	E304070-06	Vapor	17-Apr-13	17-Apr-13
JW-SB5-5, P4330cc	E304070-07	Vapor	17-Apr-13	17-Apr-13
JW-SB5-25, P5298cc	E304070-08	Vapor	17-Apr-13	17-Apr-13

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
JW-SB5-35, P5806cc	E304070-09	Vapor	17-Apr-13	17-Apr-13
JW-SB4-5, P4330cc	E304070-10	Vapor	17-Apr-13	17-Apr-13
JW-SB4-15, P4814cc	E304070-11	Vapor	17-Apr-13	17-Apr-13
JW-SB4-35, P5806cc	E304070-12	Vapor	17-Apr-13	17-Apr-13
JW-SB3-5, P4330cc	E304085-01	Vapor	18-Apr-13	18-Apr-13
JW-SB3-5 Rep, P4380cc	E304085-02	Vapor	18-Apr-13	18-Apr-13
JW-SB3-35, P5806cc	E304085-03	Vapor	18-Apr-13	18-Apr-13
JW-SB1-5, P4330cc	E304085-04	Vapor	18-Apr-13	18-Apr-13
JW-SB1-15, P4814cc	E304085-05	Vapor	18-Apr-13	18-Apr-13
JW-SB1-25, P5298cc	E304085-06	Vapor	18-Apr-13	18-Apr-13
JW-SB1-35, P5806cc	E304085-07	Vapor	18-Apr-13	18-Apr-13
JW-SB2-5, P4330cc	E304085-08	Vapor	18-Apr-13	18-Apr-13
JW-SB2-25, P5298cc	E304085-09	Vapor	18-Apr-13	18-Apr-13
JW-SB2-15, P4814cc	E304085-10	Vapor	18-Apr-13	18-Apr-13
JW-SB2-35, P5806cc	E304085-11	Vapor	18-Apr-13	18-Apr-13

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-35, 1PV, P581cc (E304025-01) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**270**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**8900**	1300	"	100	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**3600**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**2700**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**710**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**57000**	4000	"	100	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**100**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**28000**	2700	"	100	"	"	"	"	
1,4-Dioxane	**150**	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**31**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	**29**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**100**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**330**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**110**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**130**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-35, 1PV, P581cc (E304025-01) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
Naphthalene	**78**	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.7 %*	*56-127*		"	"	"	"	
SG6-35, 3PV, P1742cc (E304025-02) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**230**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**4900**	320	"	25	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**2700**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**2000**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**530**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**41000**	1000	"	25	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**81**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**21000**	680	"	25	"	"	"	"	
1,4-Dioxane	**100**	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**24**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-35, 3PV, P1742cc (E304025-02) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,3,5-Trimethylbenzene	**58**	25	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**200**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**74**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**51**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	**46**	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.0 %*		*56-127*	"	"	"	"	
SG6-35, 10PV, P5806cc (E304025-03) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**240**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**7300**	320	"	25	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**3300**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**2400**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**620**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**66000**	1000	"	25	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**80**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**33000**	680	"	25	"	"	"	"	
1,4-Dioxane	**140**	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**20**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG6-35, 10PV, P5806cc (E304025-03) Vapor Sampled: 09-Apr-13 Received: 09-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	**25**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**65**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**200**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**83**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**80**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.6 %*		*56-127*	"	"	"	"	
SG13-5, P4330cc (E304025-04) Vapor Sampled: 09-Apr-13 Received: 09-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**53**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**180**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG13-5, P4330cc (E304025-04) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Trichloroethene	**61**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**2900**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.8 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG13-15, P4814cc (E304025-05) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**35**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**160**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**44**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**110**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**94**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**3600**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**170**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG13-15, P4814cc (E304025-05) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
Naphthalene	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.9 %*	*56-127*		"	"	"	"	
SG13-25, P5298cc (E304025-06) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1-Difluoroethane (LCC)	**190**	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**43**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**61**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG13-25, P5298cc (E304025-06) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*86.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.2 %*		*56-127*	"	"	"	"	
SG13-35, P5806cc (E304025-07) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**72**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**290**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**550**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG13-35, P5806cc (E304025-07) Vapor Sampled: 09-Apr-13 Received: 09-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**65**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*91.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*		*56-127*	"	"	"	"	
SG14-5, P4330cc (E304025-08) Vapor Sampled: 09-Apr-13 Received: 09-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**30**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG14-5, P4330cc (E304025-08) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Trichloroethene	**110**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**46**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.1 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG14-15, P4814cc (E304025-09) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG14-15, P4814cc (E304025-09) Vapor Sampled: 09-Apr-13 Received: 09-Apr-13									
Naphthalene	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.5 %*		*56-127*	"	"	"	"	
SG14-15 Rep, P4864cc (E304025-10) Vapor Sampled: 09-Apr-13 Received: 09-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**35**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**34**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG14-15 Rep, P4864cc (E304025-10) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**30**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.5 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*68.6 %*	*56-127*		*"*	*"*	*"*	*"*	
SG14-25, P5298cc (E304025-11) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**200**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**18**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**230**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**31**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**480**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**91**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**140**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG14-25, P5298cc (E304025-11) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Ethylbenzene	**24**	22	"	"	"	"	"	"	
m,p-Xylene	**54**	44	"	"	"	"	"	"	
o-Xylene	**23**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**25**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**54**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**70**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.5 %*		*56-127*	"	"	"	"	
SG14-35, P5806cc (E304025-12) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**150**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**44**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**150**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG14-35, P5806cc (E304025-12) Vapor	**Sampled: 09-Apr-13**	**Received: 09-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED30905	09-Apr-13	09-Apr-13	TO-15	
Trichloroethene	**570**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*86.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.0 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG10-5, P4330cc (E304035-01) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1-Difluoroethane (LCC)	ND	680	ug/m3	25	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	630	"	"	"	"	"	"	
Chloromethane	ND	520	"	"	"	"	"	"	
Vinyl chloride	**520000**	32000	"	2500	"	"	"	"	
Bromomethane	ND	990	"	25	"	"	"	"	
Chloroethane	**1800**	670	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	710	"	"	"	"	"	"	
1,1-Dichloroethene	**16000**	500	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	960	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	440	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**52000**	1000	"	"	"	"	"	"	
1,1-Dichloroethane	**250000**	100000	"	2500	"	"	"	"	
cis-1,2-Dichloroethene	**4400000**	100000	"	"	"	"	"	"	
Chloroform	ND	620	"	25	"	"	"	"	
1,1,1-Trichloroethane	**190000**	690	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	510	"	"	"	"	"	"	
Benzene	ND	400	"	"	"	"	"	"	
Carbon tetrachloride	ND	320	"	"	"	"	"	"	
Trichloroethene	**63000**	680	"	"	"	"	"	"	
1,4-Dioxane	ND	910	"	"	"	"	"	"	
Bromodichloromethane	ND	850	"	"	"	"	"	"	
Toluene	**1500**	480	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	690	"	"	"	"	"	"	
Tetrachloroethene	**1100**	860	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	870	"	"	"	"	"	"	
Ethylbenzene	ND	550	"	"	"	"	"	"	
m,p-Xylene	ND	1100	"	"	"	"	"	"	
o-Xylene	**640**	550	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	870	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	620	"	"	"	"	"	"	
n-Propylbenzene	ND	620	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	620	"	"	"	"	"	"	
tert-Butylbenzene	ND	700	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**1100**	620	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	760	"	"	"	"	"	"	
sec-Butylbenzene	ND	700	"	"	"	"	"	"	
p-Isopropyltoluene	ND	700	"	"	"	"	"	"	
n-Butylbenzene	ND	700	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG10-5, P4330cc (E304035-01) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
Naphthalene	ND	660	ug/m3	25	ED31002	10-Apr-13	10-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	940	"	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.3 %*	*56-127*		"	"	"	"	
SG10-15, P4814cc (E304035-02) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1-Difluoroethane (LCC)	ND	34000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	31000	"	"	"	"	"	"	
Chloromethane	ND	26000	"	"	"	"	"	"	
Vinyl chloride	**1900000**	16000	"	"	"	"	"	"	
Bromomethane	ND	49000	"	"	"	"	"	"	
Chloroethane	ND	33000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	35000	"	"	"	"	"	"	
1,1-Dichloroethene	**40000**	25000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	48000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	22000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	50000	"	"	"	"	"	"	
1,1-Dichloroethane	**380000**	51000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**4000000**	50000	"	"	"	"	"	"	
Chloroform	ND	31000	"	"	"	"	"	"	
1,1,1-Trichloroethane	**70000**	34000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	26000	"	"	"	"	"	"	
Benzene	ND	20000	"	"	"	"	"	"	
Carbon tetrachloride	ND	16000	"	"	"	"	"	"	
Trichloroethene	ND	34000	"	"	"	"	"	"	
1,4-Dioxane	ND	46000	"	"	"	"	"	"	
Bromodichloromethane	ND	43000	"	"	"	"	"	"	
Toluene	ND	24000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	34000	"	"	"	"	"	"	
Tetrachloroethene	ND	43000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Ethylbenzene	ND	27000	"	"	"	"	"	"	
m,p-Xylene	ND	55000	"	"	"	"	"	"	
o-Xylene	ND	27000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	31000	"	"	"	"	"	"	
n-Propylbenzene	ND	31000	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG10-15, P4814cc (E304035-02) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,3,5-Trimethylbenzene	ND	31000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
tert-Butylbenzene	ND	35000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	31000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	38000	"	"	"	"	"	"	
sec-Butylbenzene	ND	35000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	35000	"	"	"	"	"	"	
n-Butylbenzene	ND	35000	"	"	"	"	"	"	
Naphthalene	ND	33000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	47000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*81.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.5 %*		*56-127*	"	"	"	"	
SG10-25, P5298cc (E304035-03) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1-Difluoroethane (LCC)	ND	34000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	31000	"	"	"	"	"	"	
Chloromethane	ND	26000	"	"	"	"	"	"	
Vinyl chloride	**6100000**	32000	"	2500	"	"	"	"	
Bromomethane	ND	49000	"	1250	"	"	"	"	
Chloroethane	ND	33000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	35000	"	"	"	"	"	"	
1,1-Dichloroethene	**86000**	25000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	48000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	22000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	50000	"	"	"	"	"	"	
1,1-Dichloroethane	**650000**	51000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**2600000**	50000	"	"	"	"	"	"	
Chloroform	ND	31000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	34000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	26000	"	"	"	"	"	"	
Benzene	ND	20000	"	"	"	"	"	"	
Carbon tetrachloride	ND	16000	"	"	"	"	"	"	
Trichloroethene	ND	34000	"	"	"	"	"	"	
1,4-Dioxane	ND	46000	"	"	"	"	"	"	
Bromodichloromethane	ND	43000	"	"	"	"	"	"	
Toluene	ND	24000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	34000	"	"	"	"	"	"	
Tetrachloroethene	ND	43000	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG10-25, P5298cc (E304035-03) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	44000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
Ethylbenzene	ND	27000	"	"	"	"	"	"	
m,p-Xylene	ND	55000	"	"	"	"	"	"	
o-Xylene	ND	27000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	31000	"	"	"	"	"	"	
n-Propylbenzene	ND	31000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	31000	"	"	"	"	"	"	
tert-Butylbenzene	ND	35000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	31000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	38000	"	"	"	"	"	"	
sec-Butylbenzene	ND	35000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	35000	"	"	"	"	"	"	
n-Butylbenzene	ND	35000	"	"	"	"	"	"	
Naphthalene	ND	33000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	47000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*87.9 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*	*56-127*		"	"	"	"	
SG10-35, P5806cc (E304035-04) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1-Difluoroethane (LCC)	ND	2700	ug/m3	100	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	2500	"	"	"	"	"	"	
Chloromethane	ND	2100	"	"	"	"	"	"	
Vinyl chloride	**9100**	1300	"	"	"	"	"	"	
Bromomethane	ND	3900	"	"	"	"	"	"	
Chloroethane	ND	2700	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	2800	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3900	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1800	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**42000**	4000	"	"	"	"	"	"	
Chloroform	ND	2500	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2800	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2100	"	"	"	"	"	"	
Benzene	ND	1600	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG10-35, P5806cc (E304035-04) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
Carbon tetrachloride	ND	1300	ug/m3	100	ED31002	10-Apr-13	10-Apr-13	TO-15	
Trichloroethene	**16000**	2700	"	"	"	"	"	"	
1,4-Dioxane	ND	3600	"	"	"	"	"	"	
Bromodichloromethane	ND	3400	"	"	"	"	"	"	
Toluene	ND	1900	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2800	"	"	"	"	"	"	
Tetrachloroethene	ND	3400	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3500	"	"	"	"	"	"	
Ethylbenzene	ND	2200	"	"	"	"	"	"	
m,p-Xylene	ND	4400	"	"	"	"	"	"	
o-Xylene	ND	2200	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3500	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	2500	"	"	"	"	"	"	
n-Propylbenzene	ND	2500	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2500	"	"	"	"	"	"	
tert-Butylbenzene	ND	2800	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2500	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3000	"	"	"	"	"	"	
sec-Butylbenzene	ND	2800	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2800	"	"	"	"	"	"	
n-Butylbenzene	ND	2800	"	"	"	"	"	"	
Naphthalene	ND	2700	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3800	"	"	"	"	"	"	
Surrogate: Toluene-d8		*87.9 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.1 %*	*56-127*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-5, P4330cc (E304035-05) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1-Difluoroethane (LCC)	ND	34000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	31000	"	"	"	"	"	"	
Chloromethane	ND	26000	"	"	"	"	"	"	
Vinyl chloride	**93000**	16000	"	"	"	"	"	"	
Bromomethane	ND	49000	"	"	"	"	"	"	
Chloroethane	ND	33000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	35000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	25000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	48000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	22000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	50000	"	"	"	"	"	"	
1,1-Dichloroethane	**430000**	51000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3700000**	50000	"	"	"	"	"	"	
Chloroform	ND	31000	"	"	"	"	"	"	
1,1,1-Trichloroethane	**100000**	34000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	26000	"	"	"	"	"	"	
Benzene	ND	20000	"	"	"	"	"	"	
Carbon tetrachloride	ND	16000	"	"	"	"	"	"	
Trichloroethene	**5800000**	34000	"	"	"	"	"	"	
1,4-Dioxane	ND	46000	"	"	"	"	"	"	
Bromodichloromethane	ND	43000	"	"	"	"	"	"	
Toluene	ND	24000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	34000	"	"	"	"	"	"	
Tetrachloroethene	ND	43000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Ethylbenzene	ND	27000	"	"	"	"	"	"	
m,p-Xylene	ND	55000	"	"	"	"	"	"	
o-Xylene	ND	27000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	31000	"	"	"	"	"	"	
n-Propylbenzene	ND	31000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	31000	"	"	"	"	"	"	
tert-Butylbenzene	ND	35000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	31000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	38000	"	"	"	"	"	"	
sec-Butylbenzene	ND	35000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	35000	"	"	"	"	"	"	
n-Butylbenzene	ND	35000	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-5, P4330cc (E304035-05) Vapor Sampled: 10-Apr-13 Received: 10-Apr-13									
Naphthalene	ND	33000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	47000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.1 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.2 %*	*56-127*		"	"	"	"	
SG9-15, P4814cc (E304035-06) Vapor Sampled: 10-Apr-13 Received: 10-Apr-13									
1,1-Difluoroethane (LCC)	ND	34000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	31000	"	"	"	"	"	"	
Chloromethane	ND	26000	"	"	"	"	"	"	
Vinyl chloride	**51000**	16000	"	"	"	"	"	"	
Bromomethane	ND	49000	"	"	"	"	"	"	
Chloroethane	ND	33000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	35000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	25000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	48000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	22000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	50000	"	"	"	"	"	"	
1,1-Dichloroethane	**240000**	51000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1800000**	50000	"	"	"	"	"	"	
Chloroform	ND	31000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	34000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	26000	"	"	"	"	"	"	
Benzene	ND	20000	"	"	"	"	"	"	
Carbon tetrachloride	ND	16000	"	"	"	"	"	"	
Trichloroethene	**3200000**	34000	"	"	"	"	"	"	
1,4-Dioxane	ND	46000	"	"	"	"	"	"	
Bromodichloromethane	ND	43000	"	"	"	"	"	"	
Toluene	ND	24000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	34000	"	"	"	"	"	"	
Tetrachloroethene	ND	43000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Ethylbenzene	ND	27000	"	"	"	"	"	"	
m,p-Xylene	ND	55000	"	"	"	"	"	"	
o-Xylene	ND	27000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	31000	"	"	"	"	"	"	
n-Propylbenzene	ND	31000	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-15, P4814cc (E304035-06) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,3,5-Trimethylbenzene	ND	31000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
tert-Butylbenzene	ND	35000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	31000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	38000	"	"	"	"	"	"	
sec-Butylbenzene	ND	35000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	35000	"	"	"	"	"	"	
n-Butylbenzene	ND	35000	"	"	"	"	"	"	
Naphthalene	ND	33000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	47000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.7 %*		*56-127*	"	"	"	"	
SG9-25, P5298cc (E304035-07) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1-Difluoroethane (LCC)	ND	34000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	31000	"	"	"	"	"	"	
Chloromethane	ND	26000	"	"	"	"	"	"	
Vinyl chloride	**200000**	16000	"	"	"	"	"	"	
Bromomethane	ND	49000	"	"	"	"	"	"	
Chloroethane	ND	33000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	35000	"	"	"	"	"	"	
1,1-Dichloroethene	**140000**	25000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	48000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	22000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**63000**	50000	"	"	"	"	"	"	
1,1-Dichloroethane	**420000**	51000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**9100000**	100000	"	2500	"	"	"	"	
Chloroform	ND	31000	"	1250	"	"	"	"	
1,1,1-Trichloroethane	ND	34000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	26000	"	"	"	"	"	"	
Benzene	ND	20000	"	"	"	"	"	"	
Carbon tetrachloride	ND	16000	"	"	"	"	"	"	
Trichloroethene	**3000000**	34000	"	"	"	"	"	"	
1,4-Dioxane	ND	46000	"	"	"	"	"	"	
Bromodichloromethane	ND	43000	"	"	"	"	"	"	
Toluene	ND	24000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	34000	"	"	"	"	"	"	
Tetrachloroethene	ND	43000	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-25, P5298cc (E304035-07) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	44000	ug/m3	1250	ED31002	10-Apr-13	10-Apr-13	TO-15	
Ethylbenzene	ND	27000	"	"	"	"	"	"	
m,p-Xylene	ND	55000	"	"	"	"	"	"	
o-Xylene	ND	27000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	31000	"	"	"	"	"	"	
n-Propylbenzene	ND	31000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	31000	"	"	"	"	"	"	
tert-Butylbenzene	ND	35000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**46000**	31000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	38000	"	"	"	"	"	"	
sec-Butylbenzene	ND	35000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	35000	"	"	"	"	"	"	
n-Butylbenzene	**45000**	35000	"	"	"	"	"	"	
Naphthalene	ND	33000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	47000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.2 %*		*56-127*	"	"	"	"	
SG9-35, P5806cc (E304035-08) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1-Difluoroethane (LCC)	ND	680	ug/m3	25	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	630	"	"	"	"	"	"	
Chloromethane	ND	520	"	"	"	"	"	"	
Vinyl chloride	**300000**	32000	"	2500	"	"	"	"	
Bromomethane	ND	990	"	25	"	"	"	"	
Chloroethane	ND	670	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	710	"	"	"	"	"	"	
1,1-Dichloroethene	**30000**	500	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	960	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	440	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**29000**	1000	"	"	"	"	"	"	
1,1-Dichloroethane	**170000**	1000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**8400000**	100000	"	2500	"	"	"	"	
Chloroform	ND	620	"	25	"	"	"	"	
1,1,1-Trichloroethane	ND	690	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	**900**	510	"	"	"	"	"	"	
Benzene	**850**	400	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG9-35, P5806cc (E304035-08) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
Carbon tetrachloride	ND	320	ug/m3	25	ED31002	10-Apr-13	10-Apr-13	TO-15	
Trichloroethene	**6600000**	68000	"	2500	"	"	"	"	
1,4-Dioxane	ND	910	"	25	"	"	"	"	
Bromodichloromethane	ND	850	"	"	"	"	"	"	
Toluene	**990**	480	"	"	"	"	"	"	
1,1,2-Trichloroethane	**1700**	690	"	"	"	"	"	"	
Tetrachloroethene	**5200**	860	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	870	"	"	"	"	"	"	
Ethylbenzene	**580**	550	"	"	"	"	"	"	
m,p-Xylene	ND	1100	"	"	"	"	"	"	
o-Xylene	ND	550	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	870	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**890**	620	"	"	"	"	"	"	
n-Propylbenzene	**650**	620	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	620	"	"	"	"	"	"	
tert-Butylbenzene	ND	700	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**2400**	620	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	760	"	"	"	"	"	"	
sec-Butylbenzene	**1000**	700	"	"	"	"	"	"	
p-Isopropyltoluene	**780**	700	"	"	"	"	"	"	
n-Butylbenzene	**1900**	700	"	"	"	"	"	"	
Naphthalene	ND	660	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	940	"	"	"	"	"	"	
Surrogate: Toluene-d8		*91.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.6 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-5, P4330cc (E304035-09) Vapor Sampled: 10-Apr-13 Received: 10-Apr-13									
1,1-Difluoroethane (LCC)	ND	2700	ug/m3	100	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	2500	"	"	"	"	"	"	
Chloromethane	ND	2100	"	"	"	"	"	"	
Vinyl chloride	**88000**	1300	"	"	"	"	"	"	
Bromomethane	ND	3900	"	"	"	"	"	"	
Chloroethane	ND	2700	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	2800	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3900	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1800	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4000	"	"	"	"	"	"	
1,1-Dichloroethane	**17000**	4100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**210000**	4000	"	"	"	"	"	"	
Chloroform	ND	2500	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2800	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2100	"	"	"	"	"	"	
Benzene	ND	1600	"	"	"	"	"	"	
Carbon tetrachloride	ND	1300	"	"	"	"	"	"	
Trichloroethene	**140000**	2700	"	"	"	"	"	"	
1,4-Dioxane	ND	3600	"	"	"	"	"	"	
Bromodichloromethane	ND	3400	"	"	"	"	"	"	
Toluene	**2500**	1900	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2800	"	"	"	"	"	"	
Tetrachloroethene	ND	3400	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3500	"	"	"	"	"	"	
Ethylbenzene	ND	2200	"	"	"	"	"	"	
m,p-Xylene	ND	4400	"	"	"	"	"	"	
o-Xylene	**3200**	2200	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3500	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	2500	"	"	"	"	"	"	
n-Propylbenzene	ND	2500	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**4300**	2500	"	"	"	"	"	"	
tert-Butylbenzene	ND	2800	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**14000**	2500	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3000	"	"	"	"	"	"	
sec-Butylbenzene	ND	2800	"	"	"	"	"	"	
p-Isopropyltoluene	**4400**	2800	"	"	"	"	"	"	
n-Butylbenzene	ND	2800	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-5, P4330cc (E304035-09) Vapor Sampled: 10-Apr-13 Received: 10-Apr-13									
Naphthalene	ND	2700	ug/m3	100	ED31002	10-Apr-13	10-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	3800	"	"	"	"	"	"	
Surrogate: Toluene-d8		*84.7 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*56-127*		"	"	"	"	
SG3-5 Rep, P4380cc (E304035-10) Vapor Sampled: 10-Apr-13 Received: 10-Apr-13									
1,1-Difluoroethane (LCC)	ND	2700	ug/m3	100	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	2500	"	"	"	"	"	"	
Chloromethane	ND	2100	"	"	"	"	"	"	
Vinyl chloride	**91000**	1300	"	"	"	"	"	"	
Bromomethane	ND	3900	"	"	"	"	"	"	
Chloroethane	ND	2700	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	2800	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3900	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1800	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4000	"	"	"	"	"	"	
1,1-Dichloroethane	**21000**	4100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**330000**	4000	"	"	"	"	"	"	
Chloroform	ND	2500	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2800	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2100	"	"	"	"	"	"	
Benzene	ND	1600	"	"	"	"	"	"	
Carbon tetrachloride	ND	1300	"	"	"	"	"	"	
Trichloroethene	**270000**	2700	"	"	"	"	"	"	
1,4-Dioxane	ND	3600	"	"	"	"	"	"	
Bromodichloromethane	ND	3400	"	"	"	"	"	"	
Toluene	**2900**	1900	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2800	"	"	"	"	"	"	
Tetrachloroethene	ND	3400	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3500	"	"	"	"	"	"	
Ethylbenzene	ND	2200	"	"	"	"	"	"	
m,p-Xylene	**4800**	4400	"	"	"	"	"	"	
o-Xylene	**3400**	2200	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3500	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	2500	"	"	"	"	"	"	
n-Propylbenzene	ND	2500	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-5 Rep, P4380cc (E304035-10) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,3,5-Trimethylbenzene	**6100**	2500	ug/m3	100	ED31002	10-Apr-13	10-Apr-13	TO-15	
tert-Butylbenzene	ND	2800	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**23000**	2500	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3000	"	"	"	"	"	"	
sec-Butylbenzene	ND	2800	"	"	"	"	"	"	
p-Isopropyltoluene	**7800**	2800	"	"	"	"	"	"	
n-Butylbenzene	ND	2800	"	"	"	"	"	"	
Naphthalene	ND	2700	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3800	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*		*56-127*	"	"	"	"	
SG3-25, P5298cc (E304035-11) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1-Difluoroethane (LCC)	ND	2700	ug/m3	100	ED31002	10-Apr-13	10-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	2500	"	"	"	"	"	"	
Chloromethane	ND	2100	"	"	"	"	"	"	
Vinyl chloride	**75000**	1300	"	"	"	"	"	"	
Bromomethane	ND	3900	"	"	"	"	"	"	
Chloroethane	ND	2700	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	2800	"	"	"	"	"	"	
1,1-Dichloroethene	**3400**	2000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	3900	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	1800	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4000	"	"	"	"	"	"	
1,1-Dichloroethane	**16000**	4100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**130000**	4000	"	"	"	"	"	"	
Chloroform	ND	2500	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2800	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2100	"	"	"	"	"	"	
Benzene	ND	1600	"	"	"	"	"	"	
Carbon tetrachloride	ND	1300	"	"	"	"	"	"	
Trichloroethene	**89000**	2700	"	"	"	"	"	"	
1,4-Dioxane	ND	3600	"	"	"	"	"	"	
Bromodichloromethane	ND	3400	"	"	"	"	"	"	
Toluene	**3200**	1900	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2800	"	"	"	"	"	"	
Tetrachloroethene	ND	3400	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-25, P5298cc (E304035-11) Vapor	**Sampled: 10-Apr-13**	**Received: 10-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	3500	ug/m3	100	ED31002	10-Apr-13	10-Apr-13	TO-15	
Ethylbenzene	ND	2200	"	"	"	"	"	"	
m,p-Xylene	ND	4400	"	"	"	"	"	"	
o-Xylene	ND	2200	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3500	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	2500	"	"	"	"	"	"	
n-Propylbenzene	ND	2500	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2500	"	"	"	"	"	"	
tert-Butylbenzene	ND	2800	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**5800**	2500	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3000	"	"	"	"	"	"	
sec-Butylbenzene	ND	2800	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2800	"	"	"	"	"	"	
n-Butylbenzene	ND	2800	"	"	"	"	"	"	
Naphthalene	ND	2700	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3800	"	"	"	"	"	"	
Surrogate: Toluene-d8		*91.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*56-127*	"	"	"	"	
SG3-35, P5806cc (E304043-01) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
1,1-Difluoroethane (LCC)	ND	34000	ug/m3	1250	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	31000	"	"	"	"	"	"	
Chloromethane	ND	26000	"	"	"	"	"	"	
Vinyl chloride	**130000**	16000	"	"	"	"	"	"	
Bromomethane	ND	49000	"	"	"	"	"	"	
Chloroethane	ND	33000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	35000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	25000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	48000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	22000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	50000	"	"	"	"	"	"	
1,1-Dichloroethane	**190000**	51000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**4900000**	50000	"	"	"	"	"	"	
Chloroform	ND	31000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	34000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	26000	"	"	"	"	"	"	
Benzene	ND	20000	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-35, P5806cc (E304043-01) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
Carbon tetrachloride	ND	16000	ug/m3	1250	ED31101	11-Apr-13	11-Apr-13	TO-15	
Trichloroethene	**7800000**	34000	"	"	"	"	"	"	
1,4-Dioxane	ND	46000	"	"	"	"	"	"	
Bromodichloromethane	ND	43000	"	"	"	"	"	"	
Toluene	ND	24000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	34000	"	"	"	"	"	"	
Tetrachloroethene	ND	43000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Ethylbenzene	ND	27000	"	"	"	"	"	"	
m,p-Xylene	ND	55000	"	"	"	"	"	"	
o-Xylene	ND	27000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	44000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	31000	"	"	"	"	"	"	
n-Propylbenzene	ND	31000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	31000	"	"	"	"	"	"	
tert-Butylbenzene	ND	35000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	31000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	38000	"	"	"	"	"	"	
sec-Butylbenzene	ND	35000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	35000	"	"	"	"	"	"	
n-Butylbenzene	ND	35000	"	"	"	"	"	"	
Naphthalene	ND	33000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	47000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-15, P4814cc (E304043-02) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
1,1-Difluoroethane (LCC)	ND	680	ug/m3	25	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	630	"	"	"	"	"	"	
Chloromethane	ND	520	"	"	"	"	"	"	
Vinyl chloride	**610**	320	"	"	"	"	"	"	
Bromomethane	ND	990	"	"	"	"	"	"	
Chloroethane	ND	670	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	710	"	"	"	"	"	"	
1,1-Dichloroethene	ND	500	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	960	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	440	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**8400**	1000	"	"	"	"	"	"	
Chloroform	ND	620	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	690	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	510	"	"	"	"	"	"	
Benzene	ND	400	"	"	"	"	"	"	
Carbon tetrachloride	ND	320	"	"	"	"	"	"	
Trichloroethene	**3900**	680	"	"	"	"	"	"	
1,4-Dioxane	ND	910	"	"	"	"	"	"	
Bromodichloromethane	ND	850	"	"	"	"	"	"	
Toluene	ND	480	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	690	"	"	"	"	"	"	
Tetrachloroethene	ND	860	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	870	"	"	"	"	"	"	
Ethylbenzene	ND	550	"	"	"	"	"	"	
m,p-Xylene	ND	1100	"	"	"	"	"	"	
o-Xylene	ND	550	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	870	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	620	"	"	"	"	"	"	
n-Propylbenzene	ND	620	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	620	"	"	"	"	"	"	
tert-Butylbenzene	ND	700	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	620	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	760	"	"	"	"	"	"	
sec-Butylbenzene	ND	700	"	"	"	"	"	"	
p-Isopropyltoluene	ND	700	"	"	"	"	"	"	
n-Butylbenzene	ND	700	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG3-15, P4814cc (E304043-02) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
Naphthalene	ND	660	ug/m3	25	ED31101	11-Apr-13	11-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	940	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.6 %*		*56-127*	"	"	"	"	
SG4-5, P4330cc (E304043-03) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**390**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**120**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**260**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**1900**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**40000**	5000	"	125	"	"	"	"	
Chloroform	**120**	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	**160**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**70**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**130000**	3400	"	125	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**44**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**6700**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**26**	22	"	"	"	"	"	"	
m,p-Xylene	**53**	44	"	"	"	"	"	"	
o-Xylene	**32**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**54**	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG4-5, P4330cc (E304043-03) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
1,3,5-Trimethylbenzene	**79**	25	ug/m3	1	ED31101	11-Apr-13	11-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**320**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**96**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**100**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*56-127*	"	"	"	"	
SG4-15, P4814cc (E304043-04) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
1,1-Difluoroethane (LCC)	ND	1400	ug/m3	50	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	1300	"	"	"	"	"	"	
Chloromethane	ND	1000	"	"	"	"	"	"	
Vinyl chloride	ND	650	"	"	"	"	"	"	
Bromomethane	ND	2000	"	"	"	"	"	"	
Chloroethane	ND	1300	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1400	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	1900	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	880	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2000	"	"	"	"	"	"	
1,1-Dichloroethane	**2800**	2100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**13000**	2000	"	"	"	"	"	"	
Chloroform	ND	1200	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1400	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1000	"	"	"	"	"	"	
Benzene	ND	810	"	"	"	"	"	"	
Carbon tetrachloride	ND	640	"	"	"	"	"	"	
Trichloroethene	**130000**	1400	"	"	"	"	"	"	
1,4-Dioxane	ND	1800	"	"	"	"	"	"	
Bromodichloromethane	ND	1700	"	"	"	"	"	"	
Toluene	ND	950	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1400	"	"	"	"	"	"	
Tetrachloroethene	**8200**	1700	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG4-15, P4814cc (E304043-04) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	1700	ug/m3	50	ED31101	11-Apr-13	11-Apr-13	TO-15	
Ethylbenzene	ND	1100	"	"	"	"	"	"	
m,p-Xylene	ND	2200	"	"	"	"	"	"	
o-Xylene	ND	1100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1700	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	1200	"	"	"	"	"	"	
n-Propylbenzene	ND	1200	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1200	"	"	"	"	"	"	
tert-Butylbenzene	ND	1400	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1200	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1500	"	"	"	"	"	"	
sec-Butylbenzene	ND	1400	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1400	"	"	"	"	"	"	
n-Butylbenzene	ND	1400	"	"	"	"	"	"	
Naphthalene	ND	1300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1900	"	"	"	"	"	"	
Surrogate: Toluene-d8		*89.0 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*56-127*		"	"	"	"	
SG4-25, P5298cc (E304043-05) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
1,1-Difluoroethane (LCC)	ND	1400	ug/m3	50	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	1300	"	"	"	"	"	"	
Chloromethane	ND	1000	"	"	"	"	"	"	
Vinyl chloride	ND	650	"	"	"	"	"	"	
Bromomethane	ND	2000	"	"	"	"	"	"	
Chloroethane	ND	1300	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1400	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	1900	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	880	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**2100**	2000	"	"	"	"	"	"	
1,1-Dichloroethane	**11000**	2100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**77000**	2000	"	"	"	"	"	"	
Chloroform	ND	1200	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1400	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1000	"	"	"	"	"	"	
Benzene	ND	810	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG4-25, P5298cc (E304043-05) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
Carbon tetrachloride	ND	640	ug/m3	50	ED31101	11-Apr-13	11-Apr-13	TO-15	
Trichloroethene	**310000**	3400	"	125	"	"	"	"	
1,4-Dioxane	ND	1800	"	50	"	"	"	"	
Bromodichloromethane	ND	1700	"	"	"	"	"	"	
Toluene	ND	950	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1400	"	"	"	"	"	"	
Tetrachloroethene	**5300**	1700	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1700	"	"	"	"	"	"	
Ethylbenzene	ND	1100	"	"	"	"	"	"	
m,p-Xylene	ND	2200	"	"	"	"	"	"	
o-Xylene	ND	1100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1700	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	1200	"	"	"	"	"	"	
n-Propylbenzene	ND	1200	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1200	"	"	"	"	"	"	
tert-Butylbenzene	ND	1400	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1200	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1500	"	"	"	"	"	"	
sec-Butylbenzene	ND	1400	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1400	"	"	"	"	"	"	
n-Butylbenzene	ND	1400	"	"	"	"	"	"	
Naphthalene	ND	1300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1900	"	"	"	"	"	"	
Surrogate: Toluene-d8		*83.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG4-35, P5806cc (E304043-06) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
1,1-Difluoroethane (LCC)	ND	3400	ug/m3	125	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	3100	"	"	"	"	"	"	
Chloromethane	ND	2600	"	"	"	"	"	"	
Vinyl chloride	**6300**	1600	"	"	"	"	"	"	
Bromomethane	ND	4900	"	"	"	"	"	"	
Chloroethane	ND	3300	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	3500	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2500	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	4800	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	2200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**11000**	5000	"	"	"	"	"	"	
1,1-Dichloroethane	**23000**	5100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**650000**	5000	"	"	"	"	"	"	
Chloroform	ND	3100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3400	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2600	"	"	"	"	"	"	
Benzene	ND	2000	"	"	"	"	"	"	
Carbon tetrachloride	ND	1600	"	"	"	"	"	"	
Trichloroethene	**650000**	3400	"	"	"	"	"	"	
1,4-Dioxane	ND	4600	"	"	"	"	"	"	
Bromodichloromethane	ND	4300	"	"	"	"	"	"	
Toluene	ND	2400	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3400	"	"	"	"	"	"	
Tetrachloroethene	ND	4300	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4400	"	"	"	"	"	"	
Ethylbenzene	ND	2700	"	"	"	"	"	"	
m,p-Xylene	ND	5500	"	"	"	"	"	"	
o-Xylene	ND	2700	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4400	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	3100	"	"	"	"	"	"	
n-Propylbenzene	ND	3100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3100	"	"	"	"	"	"	
tert-Butylbenzene	ND	3500	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3800	"	"	"	"	"	"	
sec-Butylbenzene	ND	3500	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3500	"	"	"	"	"	"	
n-Butylbenzene	ND	3500	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG4-35, P5806cc (E304043-06) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
Naphthalene	ND	3300	ug/m3	125	ED31101	11-Apr-13	11-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	4700	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.1 %*		*56-127*	"	"	"	"	
SG2-5, P4330cc (E304043-07) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
1,1-Difluoroethane (LCC)	ND	68	ug/m3	2.5	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	63	"	"	"	"	"	"	
Chloromethane	ND	52	"	"	"	"	"	"	
Vinyl chloride	ND	32	"	"	"	"	"	"	
Bromomethane	ND	99	"	"	"	"	"	"	
Chloroethane	ND	67	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	71	"	"	"	"	"	"	
1,1-Dichloroethene	ND	50	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	96	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	44	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1600**	100	"	"	"	"	"	"	
Chloroform	ND	62	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	69	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	51	"	"	"	"	"	"	
Benzene	ND	40	"	"	"	"	"	"	
Carbon tetrachloride	ND	32	"	"	"	"	"	"	
Trichloroethene	**1700**	68	"	"	"	"	"	"	
1,4-Dioxane	ND	91	"	"	"	"	"	"	
Bromodichloromethane	ND	85	"	"	"	"	"	"	
Toluene	ND	48	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	69	"	"	"	"	"	"	
Tetrachloroethene	**3400**	86	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	87	"	"	"	"	"	"	
Ethylbenzene	ND	55	"	"	"	"	"	"	
m,p-Xylene	ND	110	"	"	"	"	"	"	
o-Xylene	ND	55	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	87	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	62	"	"	"	"	"	"	
n-Propylbenzene	ND	62	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG2-5, P4330cc (E304043-07) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
1,3,5-Trimethylbenzene	ND	62	ug/m3	2.5	ED31101	11-Apr-13	11-Apr-13	TO-15	
tert-Butylbenzene	ND	70	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	62	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	76	"	"	"	"	"	"	
sec-Butylbenzene	ND	70	"	"	"	"	"	"	
p-Isopropyltoluene	ND	70	"	"	"	"	"	"	
n-Butylbenzene	ND	70	"	"	"	"	"	"	
Naphthalene	ND	66	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	94	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*56-127*	"	"	"	"	
SG2-5 Rep, P5580cc (E304043-08) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
1,1-Difluoroethane (LCC)	ND	68	ug/m3	2.5	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	63	"	"	"	"	"	"	
Chloromethane	ND	52	"	"	"	"	"	"	
Vinyl chloride	ND	32	"	"	"	"	"	"	
Bromomethane	ND	99	"	"	"	"	"	"	
Chloroethane	ND	67	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	71	"	"	"	"	"	"	
1,1-Dichloroethene	ND	50	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	96	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	44	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**790**	100	"	"	"	"	"	"	
Chloroform	ND	62	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	69	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	51	"	"	"	"	"	"	
Benzene	ND	40	"	"	"	"	"	"	
Carbon tetrachloride	ND	32	"	"	"	"	"	"	
Trichloroethene	**2400**	68	"	"	"	"	"	"	
1,4-Dioxane	ND	91	"	"	"	"	"	"	
Bromodichloromethane	ND	85	"	"	"	"	"	"	
Toluene	ND	48	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	69	"	"	"	"	"	"	
Tetrachloroethene	**3200**	86	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG2-5 Rep, P5580cc (E304043-08) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
1,1,1,2-Tetrachloroethane	ND	87	ug/m3	2.5	ED31101	11-Apr-13	11-Apr-13	TO-15	
Ethylbenzene	ND	55	"	"	"	"	"	"	
m,p-Xylene	ND	110	"	"	"	"	"	"	
o-Xylene	ND	55	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	87	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	62	"	"	"	"	"	"	
n-Propylbenzene	ND	62	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	62	"	"	"	"	"	"	
tert-Butylbenzene	ND	70	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	62	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	76	"	"	"	"	"	"	
sec-Butylbenzene	ND	70	"	"	"	"	"	"	
p-Isopropyltoluene	ND	70	"	"	"	"	"	"	
n-Butylbenzene	ND	70	"	"	"	"	"	"	
Naphthalene	ND	66	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	94	"	"	"	"	"	"	
Surrogate: Toluene-d8		*87.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*		*56-127*	"	"	"	"	
SG2-15, P4814cc (E304043-09) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**41**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**110**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**2700**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**41**	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG2-15, P4814cc (E304043-09) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31101	11-Apr-13	11-Apr-13	TO-15	
Trichloroethene	**8400**	270	"	10	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**4400**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**26**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**47**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG2-25, P5298cc (E304043-10) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
1,1-Difluoroethane (LCC)	ND	68	ug/m3	2.5	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	63	"	"	"	"	"	"	
Chloromethane	ND	52	"	"	"	"	"	"	
Vinyl chloride	**73**	32	"	"	"	"	"	"	
Bromomethane	ND	99	"	"	"	"	"	"	
Chloroethane	ND	67	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	71	"	"	"	"	"	"	
1,1-Dichloroethene	**320**	50	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	96	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	44	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**610**	100	"	"	"	"	"	"	
1,1-Dichloroethane	**280**	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**6700**	100	"	"	"	"	"	"	
Chloroform	ND	62	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	69	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	51	"	"	"	"	"	"	
Benzene	ND	40	"	"	"	"	"	"	
Carbon tetrachloride	ND	32	"	"	"	"	"	"	
Trichloroethene	**18000**	68	"	"	"	"	"	"	
1,4-Dioxane	ND	91	"	"	"	"	"	"	
Bromodichloromethane	ND	85	"	"	"	"	"	"	
Toluene	ND	48	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	69	"	"	"	"	"	"	
Tetrachloroethene	**220**	86	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	87	"	"	"	"	"	"	
Ethylbenzene	ND	55	"	"	"	"	"	"	
m,p-Xylene	ND	110	"	"	"	"	"	"	
o-Xylene	ND	55	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	87	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	62	"	"	"	"	"	"	
n-Propylbenzene	ND	62	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	62	"	"	"	"	"	"	
tert-Butylbenzene	ND	70	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	62	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	76	"	"	"	"	"	"	
sec-Butylbenzene	ND	70	"	"	"	"	"	"	
p-Isopropyltoluene	ND	70	"	"	"	"	"	"	
n-Butylbenzene	ND	70	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG2-25, P5298cc (E304043-10) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
Naphthalene	ND	66	ug/m3	2.5	ED31101	11-Apr-13	11-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	94	"	"	"	"	"	"	
Surrogate: Toluene-d8		*91.2 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*56-127*		"	"	"	"	
SG2-35, P5806cc (E304043-11) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
1,1-Difluoroethane (LCC)	ND	68	ug/m3	2.5	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	63	"	"	"	"	"	"	
Chloromethane	ND	52	"	"	"	"	"	"	
Vinyl chloride	**2500**	32	"	"	"	"	"	"	
Bromomethane	ND	99	"	"	"	"	"	"	
Chloroethane	ND	67	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	71	"	"	"	"	"	"	
1,1-Dichloroethene	**1300**	50	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	96	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	44	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**7700**	100	"	"	"	"	"	"	
1,1-Dichloroethane	**8100**	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**360000**	5000	"	125	"	"	"	"	
Chloroform	ND	62	"	2.5	"	"	"	"	
1,1,1-Trichloroethane	ND	69	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	**75**	51	"	"	"	"	"	"	
Benzene	**75**	40	"	"	"	"	"	"	
Carbon tetrachloride	ND	32	"	"	"	"	"	"	
Trichloroethene	**280000**	3400	"	125	"	"	"	"	
1,4-Dioxane	ND	91	"	2.5	"	"	"	"	
Bromodichloromethane	ND	85	"	"	"	"	"	"	
Toluene	ND	48	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	69	"	"	"	"	"	"	
Tetrachloroethene	**610**	86	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	87	"	"	"	"	"	"	
Ethylbenzene	ND	55	"	"	"	"	"	"	
m,p-Xylene	ND	110	"	"	"	"	"	"	
o-Xylene	ND	55	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	87	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	62	"	"	"	"	"	"	
n-Propylbenzene	ND	62	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG2-35, P5806cc (E304043-11) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
1,3,5-Trimethylbenzene	ND	62	ug/m3	2.5	ED31101	11-Apr-13	11-Apr-13	TO-15	
tert-Butylbenzene	ND	70	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	62	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	76	"	"	"	"	"	"	
sec-Butylbenzene	ND	70	"	"	"	"	"	"	
p-Isopropyltoluene	ND	70	"	"	"	"	"	"	
n-Butylbenzene	ND	70	"	"	"	"	"	"	
Naphthalene	ND	66	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	94	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.3 %*		*56-127*	"	"	"	"	
SG12-5, P4330cc (E304043-12) Vapor	**Sampled: 11-Apr-13**	**Received: 11-Apr-13**							
1,1-Difluoroethane (LCC)	ND	3400	ug/m3	125	ED31101	11-Apr-13	11-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	3100	"	"	"	"	"	"	
Chloromethane	ND	2600	"	"	"	"	"	"	
Vinyl chloride	ND	1600	"	"	"	"	"	"	
Bromomethane	ND	4900	"	"	"	"	"	"	
Chloroethane	ND	3300	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	3500	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2500	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	4800	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	2200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**15000**	5000	"	"	"	"	"	"	
Chloroform	ND	3100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3400	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	2600	"	"	"	"	"	"	
Benzene	ND	2000	"	"	"	"	"	"	
Carbon tetrachloride	ND	1600	"	"	"	"	"	"	
Trichloroethene	**22000**	3400	"	"	"	"	"	"	
1,4-Dioxane	ND	4600	"	"	"	"	"	"	
Bromodichloromethane	ND	4300	"	"	"	"	"	"	
Toluene	ND	2400	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3400	"	"	"	"	"	"	
Tetrachloroethene	ND	4300	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG12-5, P4330cc (E304043-12) Vapor Sampled: 11-Apr-13 Received: 11-Apr-13									
1,1,1,2-Tetrachloroethane	ND	4400	ug/m3	125	ED31101	11-Apr-13	11-Apr-13	TO-15	
Ethylbenzene	ND	2700	"	"	"	"	"	"	
m,p-Xylene	ND	5500	"	"	"	"	"	"	
o-Xylene	ND	2700	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4400	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	3100	"	"	"	"	"	"	
n-Propylbenzene	ND	3100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3100	"	"	"	"	"	"	
tert-Butylbenzene	ND	3500	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3800	"	"	"	"	"	"	
sec-Butylbenzene	ND	3500	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3500	"	"	"	"	"	"	
n-Butylbenzene	ND	3500	"	"	"	"	"	"	
Naphthalene	ND	3300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4700	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.5 %*	*56-127*		"	"	"	"	
SG12-15, P4814cc (E304054-01) Vapor Sampled: 12-Apr-13 Received: 12-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**46**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**130**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**5200**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**57**	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG12-15, P4814cc (E304054-01) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Trichloroethene	**8900**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**81**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**32**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**80**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**36**	28	"	"	"	"	"	"	
n-Butylbenzene	**32**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*78.3 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG12-25, P5298cc (E304054-02) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**66**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**190**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**91**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**160**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**6600**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**96**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**15000**	270	"	10	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**34**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**120**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	**45**	44	"	"	"	"	"	"	
o-Xylene	**32**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**29**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**110**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG12-25, P5298cc (E304054-02) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
Naphthalene	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*88.8 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.5 %*	*56-127*		"	"	"	"	
SG12-35, P5806cc (E304054-03) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	**110**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**5200**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**46**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**9900**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**23**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**80**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG12-35, P5806cc (E304054-03) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,3,5-Trimethylbenzene	**31**	25	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**110**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**44**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*56-127*	"	"	"	"	
SG1-5, P4330cc (E304054-04) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**130**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**13000**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG1-5, P4330cc (E304054-04) Vapor Sampled: 12-Apr-13 Received: 12-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.3 %*		*56-127*	"	"	"	"	
SG1-15, P4814cc (E304054-05) Vapor Sampled: 12-Apr-13 Received: 12-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**44**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG1-15, P4814cc (E304054-05) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Trichloroethene	**100**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**720**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*78.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.1 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG1-25, P5298cc (E304054-06) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**250**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**18000**	270	"	10	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**42000**	340	"	10	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	1	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG1-25, P5298cc (E304054-06) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
Naphthalene	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*81.8 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.6 %*	*56-127*		"	"	"	"	
SG1-35, P5806cc (E304054-07) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	270	ug/m3	10	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	250	"	"	"	"	"	"	
Chloromethane	ND	210	"	"	"	"	"	"	
Vinyl chloride	ND	130	"	"	"	"	"	"	
Bromomethane	ND	390	"	"	"	"	"	"	
Chloroethane	ND	270	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	280	"	"	"	"	"	"	
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	410	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1900**	400	"	"	"	"	"	"	
Chloroform	ND	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	
Benzene	ND	160	"	"	"	"	"	"	
Carbon tetrachloride	ND	130	"	"	"	"	"	"	
Trichloroethene	**8100**	270	"	"	"	"	"	"	
1,4-Dioxane	ND	360	"	"	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
Toluene	ND	190	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
Tetrachloroethene	**6100**	340	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Ethylbenzene	ND	220	"	"	"	"	"	"	
m,p-Xylene	ND	440	"	"	"	"	"	"	
o-Xylene	ND	220	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	250	"	"	"	"	"	"	
n-Propylbenzene	ND	250	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG1-35, P5806cc (E304054-07) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,3,5-Trimethylbenzene	ND	250	ug/m3	10	ED31201	12-Apr-13	12-Apr-13	TO-15	
tert-Butylbenzene	ND	280	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
sec-Butylbenzene	ND	280	"	"	"	"	"	"	
p-Isopropyltoluene	ND	280	"	"	"	"	"	"	
n-Butylbenzene	ND	280	"	"	"	"	"	"	
Naphthalene	ND	270	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*82.8 %*	*56-127*		*"*	*"*	*"*	*"*	
SG17-5, P4330cc (E304054-08) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**82**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**27**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**190**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG17-5, P4330cc (E304054-08) Vapor Sampled: 12-Apr-13 Received: 12-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.9 %*		*56-127*	"	"	"	"	
SG17-15, P4814cc (E304054-09) Vapor Sampled: 12-Apr-13 Received: 12-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**38**	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG17-15, P4814cc (E304054-09) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Trichloroethene	**39**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**44**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**210**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**35**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.9 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.4 %*	*56-127*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG17-25, P5298cc (E304054-10) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**270**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**100**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1700**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**53**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1400**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG17-25, P5298cc (E304054-10) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
Naphthalene	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*64.3 %*		*56-127*	"	"	"	"	
SG17-35, P5806cc (E304054-11) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**27**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**69**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**130**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3000**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**36**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**6800**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**19**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**480**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG17-35, P5806cc (E304054-11) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*64.4 %*		*56-127*	"	"	"	"	
SG16-5, P4330cc (E304054-12) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**120**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**110**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**280**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG16-5, P4330cc (E304054-12) Vapor Sampled: 12-Apr-13 Received: 12-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*84.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.2 %*		*56-127*	"	"	"	"	
SG16-5 Rep, P4380cc (E304054-13) Vapor Sampled: 12-Apr-13 Received: 12-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**66**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG16-5 Rep, P4380cc (E304054-13) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Trichloroethene	**49**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**390**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.1 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.6 %*	*56-127*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG16-15, P4814cc (E304054-14) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**55**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**29**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**72**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**35**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**820**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**38**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG16-15, P4814cc (E304054-14) Vapor	**Sampled: 12-Apr-13**	**Received: 12-Apr-13**							
Naphthalene	ND	27	ug/m3	1	ED31201	12-Apr-13	12-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*80.0 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.6 %*	*56-127*		"	"	"	"	
SG16-25, P5298cc (E304060-01) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**870**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**72**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**880**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1100**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG16-25, P5298cc (E304060-01) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*85.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.0 %*		*56-127*	"	"	"	"	
SG16-35, P5806cc (E304060-02) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**170**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**610**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG16-35, P5806cc (E304060-02) Vapor Sampled: 15-Apr-13 Received: 15-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*88.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.6 %*		*56-127*	"	"	"	"	
SG15-5, P4330cc (E304060-03) Vapor Sampled: 15-Apr-13 Received: 15-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG15-5, P4330cc (E304060-03) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**750**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*89.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.3 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG15-15, P4814cc (E304060-04) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**110**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**32**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**40**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**810**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG15-15, P4814cc (E304060-04) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
Naphthalene	ND	27	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.3 %*		*56-127*	"	"	"	"	
SG15-25, P5298cc (E304060-05) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**23**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**460**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1600**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG15-25, P5298cc (E304060-05) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*83.3 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*117 %*	*56-127*		*"*	*"*	*"*	*"*	
SG15-35, P5806cc (E304060-06) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**580**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1200**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG15-35, P5806cc (E304060-06) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31503	15-Apr-13	15-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*91.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*		*56-127*	"	"	"	"	
SG8-5, P4330cc (E304060-07) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	14000	ug/m3	500	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	13000	"	"	"	"	"	"	
Chloromethane	ND	10000	"	"	"	"	"	"	
Vinyl chloride	**450000**	6500	"	"	"	"	"	"	
Bromomethane	ND	20000	"	"	"	"	"	"	
Chloroethane	ND	13000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	14000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	10000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	19000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	8800	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	20000	"	"	"	"	"	"	
1,1-Dichloroethane	**83000**	21000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**230000**	20000	"	"	"	"	"	"	
Chloroform	ND	12000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	14000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	10000	"	"	"	"	"	"	
Benzene	ND	8100	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG8-5, P4330cc (E304060-07) Vapor Sampled: 15-Apr-13 Received: 15-Apr-13									
Carbon tetrachloride	ND	6400	ug/m3	500	ED31503	15-Apr-13	15-Apr-13	TO-15	
Trichloroethene	ND	14000	"	"	"	"	"	"	
1,4-Dioxane	ND	18000	"	"	"	"	"	"	
Bromodichloromethane	ND	17000	"	"	"	"	"	"	
Toluene	ND	9500	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	14000	"	"	"	"	"	"	
Tetrachloroethene	ND	17000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	17000	"	"	"	"	"	"	
Ethylbenzene	ND	11000	"	"	"	"	"	"	
m,p-Xylene	ND	22000	"	"	"	"	"	"	
o-Xylene	ND	11000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	17000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	12000	"	"	"	"	"	"	
n-Propylbenzene	ND	12000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	12000	"	"	"	"	"	"	
tert-Butylbenzene	ND	14000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	12000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15000	"	"	"	"	"	"	
sec-Butylbenzene	ND	14000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	14000	"	"	"	"	"	"	
n-Butylbenzene	ND	14000	"	"	"	"	"	"	
Naphthalene	ND	13000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	19000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.2 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.4 %*	*56-127*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG8-15, P4814cc (E304060-08) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	14000	ug/m3	500	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	13000	"	"	"	"	"	"	
Chloromethane	ND	10000	"	"	"	"	"	"	
Vinyl chloride	**480000**	6500	"	"	"	"	"	"	
Bromomethane	ND	20000	"	"	"	"	"	"	
Chloroethane	ND	13000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	14000	"	"	"	"	"	"	
1,1-Dichloroethene	**14000**	10000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	19000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	8800	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	20000	"	"	"	"	"	"	
1,1-Dichloroethane	**180000**	21000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**2400000**	20000	"	"	"	"	"	"	
Chloroform	ND	12000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	14000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	10000	"	"	"	"	"	"	
Benzene	ND	8100	"	"	"	"	"	"	
Carbon tetrachloride	ND	6400	"	"	"	"	"	"	
Trichloroethene	**880000**	14000	"	"	"	"	"	"	
1,4-Dioxane	ND	18000	"	"	"	"	"	"	
Bromodichloromethane	ND	17000	"	"	"	"	"	"	
Toluene	ND	9500	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	14000	"	"	"	"	"	"	
Tetrachloroethene	ND	17000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	17000	"	"	"	"	"	"	
Ethylbenzene	ND	11000	"	"	"	"	"	"	
m,p-Xylene	ND	22000	"	"	"	"	"	"	
o-Xylene	ND	11000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	17000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	12000	"	"	"	"	"	"	
n-Propylbenzene	ND	12000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	12000	"	"	"	"	"	"	
tert-Butylbenzene	ND	14000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	12000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15000	"	"	"	"	"	"	
sec-Butylbenzene	ND	14000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	14000	"	"	"	"	"	"	
n-Butylbenzene	ND	14000	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG8-15, P4814cc (E304060-08) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
Naphthalene	ND	13000	ug/m3	500	ED31503	15-Apr-13	15-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	19000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*83.1 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*82.4 %*	*56-127*		*"*	*"*	*"*	*"*	
SG8-25, P5298cc (E304060-09) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	17000	ug/m3	625	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	16000	"	"	"	"	"	"	
Chloromethane	ND	13000	"	"	"	"	"	"	
Vinyl chloride	**400000**	8100	"	"	"	"	"	"	
Bromomethane	ND	25000	"	"	"	"	"	"	
Chloroethane	ND	17000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	18000	"	"	"	"	"	"	
1,1-Dichloroethene	**23000**	13000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	24000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	11000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	25000	"	"	"	"	"	"	
1,1-Dichloroethane	**130000**	26000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**4000000**	25000	"	"	"	"	"	"	
Chloroform	ND	15000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	17000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	13000	"	"	"	"	"	"	
Benzene	ND	10000	"	"	"	"	"	"	
Carbon tetrachloride	ND	8000	"	"	"	"	"	"	
Trichloroethene	**85000**	17000	"	"	"	"	"	"	
1,4-Dioxane	ND	23000	"	"	"	"	"	"	
Bromodichloromethane	ND	21000	"	"	"	"	"	"	
Toluene	ND	12000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	17000	"	"	"	"	"	"	
Tetrachloroethene	ND	22000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	22000	"	"	"	"	"	"	
Ethylbenzene	ND	14000	"	"	"	"	"	"	
m,p-Xylene	ND	27000	"	"	"	"	"	"	
o-Xylene	ND	14000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	22000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	16000	"	"	"	"	"	"	
n-Propylbenzene	ND	16000	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG8-25, P5298cc (E304060-09) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,3,5-Trimethylbenzene	ND	16000	ug/m3	625	ED31503	15-Apr-13	15-Apr-13	TO-15	
tert-Butylbenzene	ND	17000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	16000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	19000	"	"	"	"	"	"	
sec-Butylbenzene	ND	17000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	17000	"	"	"	"	"	"	
n-Butylbenzene	ND	17000	"	"	"	"	"	"	
Naphthalene	ND	17000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	23000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.8 %*		*56-127*	"	"	"	"	
SG8-35, P5806cc (E304060-10) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27000	ug/m3	1000	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25000	"	"	"	"	"	"	
Chloromethane	ND	21000	"	"	"	"	"	"	
Vinyl chloride	**200000**	13000	"	"	"	"	"	"	
Bromomethane	ND	39000	"	"	"	"	"	"	
Chloroethane	ND	27000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**65000**	40000	"	"	"	"	"	"	
1,1-Dichloroethane	**110000**	41000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3100000**	40000	"	"	"	"	"	"	
Chloroform	ND	25000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28000	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21000	"	"	"	"	"	"	
Benzene	ND	16000	"	"	"	"	"	"	
Carbon tetrachloride	ND	13000	"	"	"	"	"	"	
Trichloroethene	**770000**	27000	"	"	"	"	"	"	
1,4-Dioxane	ND	36000	"	"	"	"	"	"	
Bromodichloromethane	ND	34000	"	"	"	"	"	"	
Toluene	ND	19000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28000	"	"	"	"	"	"	
Tetrachloroethene	ND	34000	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG8-35, P5806cc (E304060-10) Vapor Sampled: 15-Apr-13 Received: 15-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35000	ug/m3	1000	ED31503	15-Apr-13	15-Apr-13	TO-15	
Ethylbenzene	ND	22000	"	"	"	"	"	"	
m,p-Xylene	ND	44000	"	"	"	"	"	"	
o-Xylene	ND	22000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25000	"	"	"	"	"	"	
n-Propylbenzene	ND	25000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25000	"	"	"	"	"	"	
tert-Butylbenzene	ND	28000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30000	"	"	"	"	"	"	
sec-Butylbenzene	ND	28000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28000	"	"	"	"	"	"	
n-Butylbenzene	ND	28000	"	"	"	"	"	"	
Naphthalene	ND	27000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38000	"	"	"	"	"	"	
Surrogate: Toluene-d8		*89.5 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.8 %*	*56-127*		"	"	"	"	
SG7-5, P4330cc (E304060-11) Vapor Sampled: 15-Apr-13 Received: 15-Apr-13									
1,1-Difluoroethane (LCC)	ND	1400	ug/m3	50	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	1300	"	"	"	"	"	"	
Chloromethane	ND	1000	"	"	"	"	"	"	
Vinyl chloride	ND	650	"	"	"	"	"	"	
Bromomethane	ND	2000	"	"	"	"	"	"	
Chloroethane	ND	1300	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1400	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	1900	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	880	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**6300**	2000	"	"	"	"	"	"	
Chloroform	ND	1200	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1400	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1000	"	"	"	"	"	"	
Benzene	ND	810	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG7-5, P4330cc (E304060-11) Vapor Sampled: 15-Apr-13 Received: 15-Apr-13									
Carbon tetrachloride	ND	640	ug/m3	50	ED31503	15-Apr-13	15-Apr-13	TO-15	
Trichloroethene	**12000**	1400	"	"	"	"	"	"	
1,4-Dioxane	ND	1800	"	"	"	"	"	"	
Bromodichloromethane	ND	1700	"	"	"	"	"	"	
Toluene	ND	950	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1400	"	"	"	"	"	"	
Tetrachloroethene	ND	1700	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1700	"	"	"	"	"	"	
Ethylbenzene	ND	1100	"	"	"	"	"	"	
m,p-Xylene	ND	2200	"	"	"	"	"	"	
o-Xylene	ND	1100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1700	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	1200	"	"	"	"	"	"	
n-Propylbenzene	ND	1200	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1200	"	"	"	"	"	"	
tert-Butylbenzene	ND	1400	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1200	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1500	"	"	"	"	"	"	
sec-Butylbenzene	ND	1400	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1400	"	"	"	"	"	"	
n-Butylbenzene	ND	1400	"	"	"	"	"	"	
Naphthalene	ND	1300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1900	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG7-5 Rep, P4380cc (E304060-12) Vapor	**Sampled: 15-Apr-13**	**Received: 15-Apr-13**							
1,1-Difluoroethane (LCC)	ND	1400	ug/m3	50	ED31503	15-Apr-13	15-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	1300	"	"	"	"	"	"	
Chloromethane	ND	1000	"	"	"	"	"	"	
Vinyl chloride	ND	650	"	"	"	"	"	"	
Bromomethane	ND	2000	"	"	"	"	"	"	
Chloroethane	ND	1300	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	1400	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1000	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	1900	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	880	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**2200**	2000	"	"	"	"	"	"	
Chloroform	ND	1200	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1400	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	1000	"	"	"	"	"	"	
Benzene	ND	810	"	"	"	"	"	"	
Carbon tetrachloride	ND	640	"	"	"	"	"	"	
Trichloroethene	**18000**	1400	"	"	"	"	"	"	
1,4-Dioxane	ND	1800	"	"	"	"	"	"	
Bromodichloromethane	ND	1700	"	"	"	"	"	"	
Toluene	ND	950	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1400	"	"	"	"	"	"	
Tetrachloroethene	ND	1700	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1700	"	"	"	"	"	"	
Ethylbenzene	ND	1100	"	"	"	"	"	"	
m,p-Xylene	ND	2200	"	"	"	"	"	"	
o-Xylene	ND	1100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1700	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	1200	"	"	"	"	"	"	
n-Propylbenzene	ND	1200	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1200	"	"	"	"	"	"	
tert-Butylbenzene	ND	1400	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1200	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1500	"	"	"	"	"	"	
sec-Butylbenzene	ND	1400	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1400	"	"	"	"	"	"	
n-Butylbenzene	ND	1400	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG7-5 Rep, P4380cc (E304060-12) Vapor Sampled: 15-Apr-13 Received: 15-Apr-13									
Naphthalene	ND	1300	ug/m3	50	ED31503	15-Apr-13	15-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	1900	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.5 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*91.9 %*	*56-127*		*"*	*"*	*"*	*"*	
SG7-15, P4814cc (E304065-01) Vapor Sampled: 16-Apr-13 Received: 16-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**600**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**89**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**6100**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**23**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG7-15, P4814cc (E304065-01) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.5 %*		*56-127*	"	"	"	"	
SG7-25, P5298cc (E304065-02) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	**34**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**130**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**280**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**630**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**1300**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**24000**	1000	"	25	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**120**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**120000**	680	"	25	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**27**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**90**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG7-25, P5298cc (E304065-02) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.6 %*		*56-127*	"	"	"	"	
SG7-35, P5806cc (E304065-03) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	680	ug/m3	25	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	630	"	"	"	"	"	"	
Chloromethane	ND	520	"	"	"	"	"	"	
Vinyl chloride	**6800**	320	"	"	"	"	"	"	
Bromomethane	ND	990	"	"	"	"	"	"	
Chloroethane	ND	670	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	710	"	"	"	"	"	"	
1,1-Dichloroethene	**4100**	500	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	960	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	440	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**7300**	1000	"	"	"	"	"	"	
1,1-Dichloroethane	**5400**	1000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**200000**	1000	"	"	"	"	"	"	
Chloroform	ND	620	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	690	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	510	"	"	"	"	"	"	
Benzene	ND	400	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG7-35, P5806cc (E304065-03) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
Carbon tetrachloride	ND	320	ug/m3	25	ED31601	16-Apr-13	16-Apr-13	TO-15	
Trichloroethene	**340000**	3400	"	125	"	"	"	"	
1,4-Dioxane	ND	910	"	25	"	"	"	"	
Bromodichloromethane	ND	850	"	"	"	"	"	"	
Toluene	ND	480	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	690	"	"	"	"	"	"	
Tetrachloroethene	ND	860	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	870	"	"	"	"	"	"	
Ethylbenzene	ND	550	"	"	"	"	"	"	
m,p-Xylene	ND	1100	"	"	"	"	"	"	
o-Xylene	ND	550	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	870	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	620	"	"	"	"	"	"	
n-Propylbenzene	ND	620	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	620	"	"	"	"	"	"	
tert-Butylbenzene	ND	700	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	620	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	760	"	"	"	"	"	"	
sec-Butylbenzene	ND	700	"	"	"	"	"	"	
p-Isopropyltoluene	ND	700	"	"	"	"	"	"	
n-Butylbenzene	ND	700	"	"	"	"	"	"	
Naphthalene	ND	660	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	940	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.9 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG5-5, P4330cc (E304065-04) Vapor Sampled: 16-Apr-13 Received: 16-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**210**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1200**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**990**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG5-5, P4330cc (E304065-04) Vapor Sampled: 16-Apr-13 Received: 16-Apr-13									
Naphthalene	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.9 %*		*56-127*	"	"	"	"	
SG5-5 Rep, P4380cc (E304065-05) Vapor Sampled: 16-Apr-13 Received: 16-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**240**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1200**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**970**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG5-5 Rep, P4380cc (E304065-05) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.0 %*		*56-127*	"	"	"	"	
SG5-15, P4814cc (E304065-06) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**80**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**70**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2500**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**770**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG5-15, P4814cc (E304065-06) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*87.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.5 %*		*56-127*	"	"	"	"	
SG5-25, P5298cc (E304065-07) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**30**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**83**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**200**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**170**	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG5-25, P5298cc (E304065-07) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Trichloroethene	**11000**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**130**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75.3 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG5-35, P5806cc (E304065-08) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	270	ug/m3	10	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	250	"	"	"	"	"	"	
Chloromethane	ND	210	"	"	"	"	"	"	
Vinyl chloride	ND	130	"	"	"	"	"	"	
Bromomethane	ND	390	"	"	"	"	"	"	
Chloroethane	ND	270	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	280	"	"	"	"	"	"	
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	410	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**810**	400	"	"	"	"	"	"	
Chloroform	ND	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	
Benzene	ND	160	"	"	"	"	"	"	
Carbon tetrachloride	ND	130	"	"	"	"	"	"	
Trichloroethene	**20000**	270	"	"	"	"	"	"	
1,4-Dioxane	ND	360	"	"	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
Toluene	ND	190	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
Tetrachloroethene	ND	340	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Ethylbenzene	ND	220	"	"	"	"	"	"	
m,p-Xylene	ND	440	"	"	"	"	"	"	
o-Xylene	ND	220	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	250	"	"	"	"	"	"	
n-Propylbenzene	ND	250	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	
tert-Butylbenzene	ND	280	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
sec-Butylbenzene	ND	280	"	"	"	"	"	"	
p-Isopropyltoluene	ND	280	"	"	"	"	"	"	
n-Butylbenzene	ND	280	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG5-35, P5806cc (E304065-08) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
Naphthalene	ND	270	ug/m3	10	ED31601	16-Apr-13	16-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.1 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*56-127*		"	"	"	"	
SG11-5, P4330cc (E304065-09) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**200**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**170**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG11-5, P4330cc (E304065-09) Vapor Sampled: 16-Apr-13 Received: 16-Apr-13									
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*63.2 %*		*56-127*	"	"	"	"	
SG11-15, P4814cc (E304065-10) Vapor Sampled: 16-Apr-13 Received: 16-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**74**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**21**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**53**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG11-15, P4814cc (E304065-10) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.7 %*		*56-127*	"	"	"	"	
SG11-25, P5298cc (E304065-11) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**21**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**590**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG11-25, P5298cc (E304065-11) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Trichloroethene	**830**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**26**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**130**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**43**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**70**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*61.1 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG11-35, P5806cc (E304065-12) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG11-35, P5806cc (E304065-12) Vapor Sampled: 16-Apr-13 Received: 16-Apr-13									
Naphthalene	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*79.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.1 %*		*56-127*	"	"	"	"	
SG18-5, P4330cc (E304065-13) Vapor Sampled: 16-Apr-13 Received: 16-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**65**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG18-5, P4330cc (E304065-13) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*87.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.1 %*		*56-127*	"	"	"	"	
SG18-15, P4814cc (E304065-14) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**82**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**200**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG18-15, P4814cc (E304065-14) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*91.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.8 %*		*56-127*	"	"	"	"	
SG18-25, P5298cc (E304065-15) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG18-25, P5298cc (E304065-15) Vapor	**Sampled: 16-Apr-13**	**Received: 16-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31601	16-Apr-13	16-Apr-13	TO-15	
Trichloroethene	**280**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.1 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG18-35, P5806cc (E304070-01) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**25**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SG18-35, P5806cc (E304070-01) Vapor Sampled: 17-Apr-13 Received: 17-Apr-13									
Naphthalene	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.4 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*56-127*		"	"	"	"	
JW-SB6-5, P4330cc (E304070-02) Vapor Sampled: 17-Apr-13 Received: 17-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB6-5, P4330cc (E304070-02) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*89.6 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*77.0 %*	*56-127*		*"*	*"*	*"*	*"*	
JW-SB6-15, P4814cc (E304070-03) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**31**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**170**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**65**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB6-15, P4814cc (E304070-03) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	**65**	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**56**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	**37**	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*82.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.5 %*		*56-127*	"	"	"	"	
JW-SB6-25, P5298cc (E304070-04) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**690**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**250**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**970**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**79**	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB6-25, P5298cc (E304070-04) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Trichloroethene	**18000**	140	"	5	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**26**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**190**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.9 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB6-35, P5806cc (E304070-05) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**730**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**34**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2000**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**29**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1100**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**55**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB6-35, P5806cc (E304070-05) Vapor Sampled: 17-Apr-13 Received: 17-Apr-13									
Naphthalene	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.1 %*		*56-127*	"	"	"	"	
JW-SB6-35 Rep, P5906cc (E304070-06) Vapor Sampled: 17-Apr-13 Received: 17-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**550**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**21**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1800**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**23**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1000**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB6-35 Rep, P5906cc (E304070-06) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**43**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.0 %*		*56-127*	"	"	"	"	
JW-SB5-5, P4330cc (E304070-07) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**250**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1800**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB5-5, P4330cc (E304070-07) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*82.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*72.5 %*		*56-127*	"	"	"	"	
JW-SB5-25, P5298cc (E304070-08) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**77**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**1500**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**94**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**230**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**100**	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB5-25, P5298cc (E304070-08) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Trichloroethene	**44000**	270	"	10	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1200**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*82.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.6 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB5-35, P5806cc (E304070-09) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1-Difluoroethane (LCC)	ND	270	ug/m3	10	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	250	"	"	"	"	"	"	
Chloromethane	ND	210	"	"	"	"	"	"	
Vinyl chloride	ND	130	"	"	"	"	"	"	
Bromomethane	ND	390	"	"	"	"	"	"	
Chloroethane	ND	270	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	280	"	"	"	"	"	"	
1,1-Dichloroethene	**280**	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**530**	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	410	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**5700**	400	"	"	"	"	"	"	
Chloroform	ND	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	
Benzene	ND	160	"	"	"	"	"	"	
Carbon tetrachloride	ND	130	"	"	"	"	"	"	
Trichloroethene	**30000**	270	"	"	"	"	"	"	
1,4-Dioxane	ND	360	"	"	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
Toluene	ND	190	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
Tetrachloroethene	**6500**	340	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Ethylbenzene	ND	220	"	"	"	"	"	"	
m,p-Xylene	ND	440	"	"	"	"	"	"	
o-Xylene	ND	220	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	250	"	"	"	"	"	"	
n-Propylbenzene	ND	250	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	
tert-Butylbenzene	ND	280	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
sec-Butylbenzene	ND	280	"	"	"	"	"	"	
p-Isopropyltoluene	ND	280	"	"	"	"	"	"	
n-Butylbenzene	ND	280	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB5-35, P5806cc (E304070-09) Vapor Sampled: 17-Apr-13 Received: 17-Apr-13									
Naphthalene	ND	270	ug/m3	10	ED31703	17-Apr-13	17-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Surrogate: Toluene-d8		*85.8 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.3 %*	*56-127*		"	"	"	"	
JW-SB4-5, P4330cc (E304070-10) Vapor Sampled: 17-Apr-13 Received: 17-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**180**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**570**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**2900**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB4-5, P4330cc (E304070-10) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*82.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.7 %*		*56-127*	"	"	"	"	
JW-SB4-15, P4814cc (E304070-11) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**180**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**490**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**33**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**76**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB4-15, P4814cc (E304070-11) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31703	17-Apr-13	17-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*87.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.4 %*		*56-127*	"	"	"	"	
JW-SB4-35, P5806cc (E304070-12) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
1,1-Difluoroethane (LCC)	ND	270	ug/m3	10	ED31703	17-Apr-13	17-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	250	"	"	"	"	"	"	
Chloromethane	ND	210	"	"	"	"	"	"	
Vinyl chloride	ND	130	"	"	"	"	"	"	
Bromomethane	ND	390	"	"	"	"	"	"	
Chloroethane	ND	270	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	280	"	"	"	"	"	"	
1,1-Dichloroethene	**290**	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**680**	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	410	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**11000**	400	"	"	"	"	"	"	
Chloroform	ND	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	
Benzene	ND	160	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB4-35, P5806cc (E304070-12) Vapor	**Sampled: 17-Apr-13**	**Received: 17-Apr-13**							
Carbon tetrachloride	ND	130	ug/m3	10	ED31703	17-Apr-13	17-Apr-13	TO-15	
Trichloroethene	**43000**	270	"	"	"	"	"	"	
1,4-Dioxane	ND	360	"	"	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
Toluene	ND	190	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
Tetrachloroethene	**4900**	340	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Ethylbenzene	ND	220	"	"	"	"	"	"	
m,p-Xylene	ND	440	"	"	"	"	"	"	
o-Xylene	ND	220	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	250	"	"	"	"	"	"	
n-Propylbenzene	ND	250	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	
tert-Butylbenzene	ND	280	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
sec-Butylbenzene	ND	280	"	"	"	"	"	"	
p-Isopropyltoluene	ND	280	"	"	"	"	"	"	
n-Butylbenzene	ND	280	"	"	"	"	"	"	
Naphthalene	ND	270	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Surrogate: Toluene-d8		*81.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.7 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB3-5, P4330cc (E304085-01) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**230**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**190**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**37**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**4500**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB3-5, P4330cc (E304085-01) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
Naphthalene	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.9 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*	*56-127*		"	"	"	"	
JW-SB3-5 Rep, P4380cc (E304085-02) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**320**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**230**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**6900**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB3-5 Rep, P4380cc (E304085-02) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.1 %*		*56-127*	"	"	"	"	
JW-SB3-35, P5806cc (E304085-03) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**31**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**35**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB3-35, P5806cc (E304085-03) Vapor Sampled: 18-Apr-13 Received: 18-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*88.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.2 %*		*56-127*	"	"	"	"	
JW-SB1-5, P4330cc (E304085-04) Vapor Sampled: 18-Apr-13 Received: 18-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**210**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB1-5, P4330cc (E304085-04) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Trichloroethene	**5100**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**2600**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*91.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.4 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB1-15, P4814cc (E304085-05) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**78**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**28**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2600**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**760**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB1-15, P4814cc (E304085-05) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
Naphthalene	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*88.2 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.9 %*	*56-127*		"	"	"	"	
JW-SB1-25, P5298cc (E304085-06) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1600**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**86**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB1-25, P5298cc (E304085-06) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*85.0 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*80.7 %*	*56-127*		*"*	*"*	*"*	*"*	
JW-SB1-35, P5806cc (E304085-07) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**300**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2100**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB1-35, P5806cc (E304085-07) Vapor Sampled: 18-Apr-13 Received: 18-Apr-13									
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.3 %*		*56-127*	"	"	"	"	
JW-SB2-5, P4330cc (E304085-08) Vapor Sampled: 18-Apr-13 Received: 18-Apr-13									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**450**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB2-5, P4330cc (E304085-08) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
Carbon tetrachloride	ND	13	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Trichloroethene	**10000**	140	"	5	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**5400**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.1 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB2-25, P5298cc (E304085-09) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1-Difluoroethane (LCC)	ND	270	ug/m3	10	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	250	"	"	"	"	"	"	
Chloromethane	ND	210	"	"	"	"	"	"	
Vinyl chloride	ND	130	"	"	"	"	"	"	
Bromomethane	ND	390	"	"	"	"	"	"	
Chloroethane	ND	270	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	280	"	"	"	"	"	"	
1,1-Dichloroethene	**860**	200	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	390	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	180	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1700**	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	410	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**30000**	400	"	"	"	"	"	"	
Chloroform	ND	250	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	210	"	"	"	"	"	"	
Benzene	ND	160	"	"	"	"	"	"	
Carbon tetrachloride	ND	130	"	"	"	"	"	"	
Trichloroethene	**150000**	680	"	25	"	"	"	"	
1,4-Dioxane	ND	360	"	10	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
Toluene	ND	190	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	
Tetrachloroethene	**3500**	340	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Ethylbenzene	ND	220	"	"	"	"	"	"	
m,p-Xylene	ND	440	"	"	"	"	"	"	
o-Xylene	ND	220	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	250	"	"	"	"	"	"	
n-Propylbenzene	ND	250	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	
tert-Butylbenzene	ND	280	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
sec-Butylbenzene	ND	280	"	"	"	"	"	"	
p-Isopropyltoluene	ND	280	"	"	"	"	"	"	
n-Butylbenzene	ND	280	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB2-25, P5298cc (E304085-09) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
Naphthalene	ND	270	ug/m3	10	ED31801	18-Apr-13	18-Apr-13	TO-15	
1,2,4-Trichlorobenzene	ND	380	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.3 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.6 %*	*56-127*		"	"	"	"	
JW-SB2-15, P4814cc (E304085-10) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**130**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**700**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**52**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB2-15, P4814cc (E304085-10) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,3,5-Trimethylbenzene	ND	25	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*		*56-127*	"	"	"	"	
JW-SB2-35, P5806cc (E304085-11) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**42**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**510**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1000**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**140**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**13000**	1000	"	25	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**31**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**73000**	680	"	25	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**2500**	34	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
JW-SB2-35, P5806cc (E304085-11) Vapor	**Sampled: 18-Apr-13**	**Received: 18-Apr-13**							
1,1,1,2-Tetrachloroethane	ND	35	ug/m3	1	ED31801	18-Apr-13	18-Apr-13	TO-15	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.0 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED30905 - TO-15										
Blank (ED30905-BLK1)				Prepared & Analyzed: 09-Apr-13						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED30905 - TO-15										
Blank (ED30905-BLK1)				Prepared & Analyzed: 09-Apr-13						
1,4-Dichlorobenzene	ND	30	ug/m3							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: Toluene-d8	*327*		*"*	*345*		*94.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*546*		*"*	*610*		*89.4*	*56-127*			
LCS (ED30905-BS1)				Prepared & Analyzed: 09-Apr-13						
Dichlorodifluoromethane (F12)	310	25	ug/m3	250		123	65-135			
Vinyl chloride	120	13	"	130		88.8	65-135			
Chloroethane	130	27	"	134		95.2	65-135			
Trichlorofluoromethane (F11)	330	28	"	283		116	65-135			
1,1-Dichloroethene	230	20	"	202		113	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	380	39	"	387		99.2	65-135			
Methylene chloride (Dichloromethane)	160	18	"	177		90.9	65-135			
trans-1,2-Dichloroethene	170	40	"	202		85.1	65-135			
1,1-Dichloroethane	220	41	"	206		105	65-135			
cis-1,2-Dichloroethene	210	40	"	202		103	65-135			
Chloroform	260	25	"	247		107	65-135			
1,1,1-Trichloroethane	270	28	"	276		96.6	65-135			
1,2-Dichloroethane (EDC)	250	21	"	206		119	65-135			
Benzene	120	16	"	162		73.9	65-135			
Carbon tetrachloride	340	13	"	320		108	65-135			
Trichloroethene	290	27	"	272		105	65-135			
Toluene	140	19	"	191		74.4	65-135			
1,1,2-Trichloroethane	250	28	"	276		91.8	65-135			
Tetrachloroethene	360	34	"	345		104	65-135			
1,1,1,2-Tetrachloroethane	350	35	"	349		98.9	65-135			
Ethylbenzene	190	22	"	220		87.1	65-135			
m,p-Xylene	410	44	"	440		94.0	65-135			
o-Xylene	220	22	"	220		98.6	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED30905 - TO-15										
LCS (ED30905-BS1)				Prepared & Analyzed: 09-Apr-13						
1,1,2,2-Tetrachloroethane	320	35	ug/m3	349		92.0	65-135			
Surrogate: Toluene-d8	*326*		*"*	*345*		*94.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*576*		*"*	*610*		*94.4*	*56-127*			
Batch ED31002 - TO-15										
Blank (ED31002-BLK1)				Prepared & Analyzed: 10-Apr-13						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31002 - TO-15										
Blank (ED31002-BLK1)				Prepared & Analyzed: 10-Apr-13						
m,p-Xylene	ND	44	ug/m3							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: Toluene-d8	*319*		*"*	*345*		*92.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*605*		*"*	*610*		*99.1*	*56-127*			
LCS (ED31002-BS1)				Prepared & Analyzed: 10-Apr-13						
Dichlorodifluoromethane (F12)	270	25	ug/m3	250		107	65-135			
Vinyl chloride	120	13	"	130		93.8	65-135			
Chloroethane	120	27	"	134		90.6	65-135			
Trichlorofluoromethane (F11)	300	28	"	283		107	65-135			
1,1-Dichloroethene	210	20	"	202		106	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	430	39	"	387		111	65-135			
Methylene chloride (Dichloromethane)	150	18	"	177		83.1	65-135			
trans-1,2-Dichloroethene	180	40	"	202		90.2	65-135			
1,1-Dichloroethane	220	41	"	206		104	65-135			
cis-1,2-Dichloroethene	210	40	"	202		103	65-135			
Chloroform	280	25	"	247		114	65-135			
1,1,1-Trichloroethane	330	28	"	276		119	65-135			
1,2-Dichloroethane (EDC)	250	21	"	206		120	65-135			
Benzene	150	16	"	162		93.8	65-135			
Carbon tetrachloride	370	13	"	320		117	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31002 - TO-15										
LCS (ED31002-BS1)				Prepared & Analyzed: 10-Apr-13						
Trichloroethene	260	27	ug/m3	272		93.6	65-135			
Toluene	180	19	"	191		93.7	65-135			
1,1,2-Trichloroethane	260	28	"	276		94.6	65-135			
Tetrachloroethene	430	34	"	345		124	65-135			
1,1,1,2-Tetrachloroethane	440	35	"	349		127	65-135			
Ethylbenzene	200	22	"	220		91.5	65-135			
m,p-Xylene	380	44	"	440		86.7	65-135			
o-Xylene	210	22	"	220		93.2	65-135			
1,1,2,2-Tetrachloroethane	260	35	"	349		75.7	65-135			
Surrogate: Toluene-d8	*323*		*"*	*345*		*93.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*571*		*"*	*610*		*93.5*	*56-127*			
Batch ED31101 - TO-15										
Blank (ED31101-BLK1)				Prepared & Analyzed: 11-Apr-13						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31101 - TO-15										
Blank (ED31101-BLK1)				Prepared & Analyzed: 11-Apr-13						
Trichloroethene	ND	27	ug/m3							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: Toluene-d8	*306*		*"*	*345*		*88.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*637*		*"*	*610*		*104*	*56-127*			
LCS (ED31101-BS1)				Prepared & Analyzed: 11-Apr-13						
Dichlorodifluoromethane (F12)	280	25	ug/m3	250		111	65-135			
Vinyl chloride	110	13	"	130		83.8	65-135			
Chloroethane	120	27	"	134		88.7	65-135			
Trichlorofluoromethane (F11)	320	28	"	283		112	65-135			
1,1-Dichloroethene	180	20	"	202		90.9	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	340	39	"	387		89.2	65-135			
Methylene chloride (Dichloromethane)	150	18	"	177		86.8	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31101 - TO-15										
LCS (ED31101-BS1)				Prepared & Analyzed: 11-Apr-13						
trans-1,2-Dichloroethene	180	40	ug/m3	202		88.6	65-135			
1,1-Dichloroethane	190	41	"	206		93.6	65-135			
cis-1,2-Dichloroethene	170	40	"	202		85.3	65-135			
Chloroform	240	25	"	247		99.0	65-135			
1,1,1-Trichloroethane	310	28	"	276		112	65-135			
1,2-Dichloroethane (EDC)	240	21	"	206		116	65-135			
Benzene	140	16	"	162		84.5	65-135			
Carbon tetrachloride	350	13	"	320		108	65-135			
Trichloroethene	310	27	"	272		114	65-135			
Toluene	170	19	"	191		87.7	65-135			
1,1,2-Trichloroethane	230	28	"	276		81.6	65-135			
Tetrachloroethene	320	34	"	345		91.4	65-135			
1,1,1,2-Tetrachloroethane	430	35	"	349		123	65-135			
Ethylbenzene	190	22	"	220		85.6	65-135			
m,p-Xylene	360	44	"	440		82.2	65-135			
o-Xylene	180	22	"	220		83.1	65-135			
1,1,2,2-Tetrachloroethane	250	35	"	349		71.3	65-135			
Surrogate: Toluene-d8	*317*		*"*	*345*		*91.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*613*		*"*	*610*		*100*	*56-127*			
Batch ED31201 - TO-15										
Blank (ED31201-BLK1)				Prepared & Analyzed: 12-Apr-13						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31201 - TO-15										
Blank (ED31201-BLK1)				Prepared & Analyzed: 12-Apr-13						
trans-1,2-Dichloroethene	ND	40	ug/m3							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: Toluene-d8	*304*		*"*	*345*		*88.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*507*		*"*	*610*		*83.1*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31201 - TO-15										
LCS (ED31201-BS1)				Prepared & Analyzed: 12-Apr-13						
Dichlorodifluoromethane (F12)	290	25	ug/m3	250		117	65-135			
Vinyl chloride	140	13	"	130		108	65-135			
Chloroethane	120	27	"	134		90.4	65-135			
Trichlorofluoromethane (F11)	360	28	"	283		126	65-135			
1,1-Dichloroethene	230	20	"	202		112	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	420	39	"	387		108	65-135			
Methylene chloride (Dichloromethane)	220	18	"	177		125	65-135			
trans-1,2-Dichloroethene	210	40	"	202		106	65-135			
1,1-Dichloroethane	250	41	"	206		124	65-135			
cis-1,2-Dichloroethene	250	40	"	202		122	65-135			
Chloroform	320	25	"	247		129	65-135			
1,1,1-Trichloroethane	370	28	"	276		134	65-135			
1,2-Dichloroethane (EDC)	260	21	"	206		128	65-135			
Benzene	130	16	"	162		79.8	65-135			
Carbon tetrachloride	400	13	"	320		126	65-135			
Trichloroethene	260	27	"	272		93.9	65-135			
Toluene	190	19	"	191		99.2	65-135			
1,1,2-Trichloroethane	280	28	"	276		102	65-135			
Tetrachloroethene	410	34	"	345		119	65-135			
1,1,1,2-Tetrachloroethane	460	35	"	349		132	65-135			
Ethylbenzene	180	22	"	220		81.6	65-135			
m,p-Xylene	350	44	"	440		78.7	65-135			
o-Xylene	190	22	"	220		88.2	65-135			
1,1,2,2-Tetrachloroethane	260	35	"	349		74.2	65-135			
Surrogate: Toluene-d8	*322*		*"*	*345*		*93.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*452*		*"*	*610*		*74.1*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31503 - TO-15										
Blank (ED31503-BLK1)				Prepared & Analyzed: 15-Apr-13						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31503 - TO-15										
Blank (ED31503-BLK1)				Prepared & Analyzed: 15-Apr-13						
1,4-Dichlorobenzene	ND	30	ug/m3							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: Toluene-d8	*312*		*"*	*345*		*90.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*690*		*"*	*610*		*113*	*56-127*			
LCS (ED31503-BS1)				Prepared & Analyzed: 15-Apr-13						
Dichlorodifluoromethane (F12)	290	25	ug/m3	250		114	65-135			
Vinyl chloride	110	13	"	130		85.0	65-135			
Chloroethane	110	27	"	134		81.5	65-135			
Trichlorofluoromethane (F11)	320	28	"	283		115	65-135			
1,1-Dichloroethene	190	20	"	202		93.7	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	400	39	"	387		104	65-135			
Methylene chloride (Dichloromethane)	160	18	"	177		88.3	65-135			
trans-1,2-Dichloroethene	190	40	"	202		96.3	65-135			
1,1-Dichloroethane	200	41	"	206		97.4	65-135			
cis-1,2-Dichloroethene	220	40	"	202		107	65-135			
Chloroform	240	25	"	247		95.1	65-135			
1,1,1-Trichloroethane	320	28	"	276		114	65-135			
1,2-Dichloroethane (EDC)	250	21	"	206		123	65-135			
Benzene	150	16	"	162		91.1	65-135			
Carbon tetrachloride	360	13	"	320		114	65-135			
Trichloroethene	250	27	"	272		93.2	65-135			
Toluene	160	19	"	191		83.1	65-135			
1,1,2-Trichloroethane	240	28	"	276		87.5	65-135			
Tetrachloroethene	340	34	"	345		97.2	65-135			
1,1,1,2-Tetrachloroethane	370	35	"	349		107	65-135			
Ethylbenzene	160	22	"	220		72.9	65-135			
m,p-Xylene	340	44	"	440		78.2	65-135			
o-Xylene	170	22	"	220		77.0	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31503 - TO-15										
LCS (ED31503-BS1)				Prepared & Analyzed: 15-Apr-13						
1,1,2,2-Tetrachloroethane	270	35	ug/m3	349		77.3	65-135			
Surrogate: Toluene-d8	*323*		*"*	*345*		*93.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*692*		*"*	*610*		*113*	*56-127*			
Batch ED31601 - TO-15										
Blank (ED31601-BLK1)				Prepared & Analyzed: 16-Apr-13						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31601 - TO-15										
Blank (ED31601-BLK1)				Prepared & Analyzed: 16-Apr-13						
m,p-Xylene	ND	44	ug/m3							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: Toluene-d8	*343*		*"*	*345*		*99.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*609*		*"*	*610*		*99.8*	*56-127*			
LCS (ED31601-BS1)				Prepared & Analyzed: 16-Apr-13						
Dichlorodifluoromethane (F12)	280	25	ug/m3	250		113	65-135			
Vinyl chloride	110	13	"	130		88.3	65-135			
Chloroethane	100	27	"	134		75.9	65-135			
Trichlorofluoromethane (F11)	350	28	"	283		122	65-135			
1,1-Dichloroethene	190	20	"	202		93.5	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	370	39	"	387		96.4	65-135			
Methylene chloride (Dichloromethane)	160	18	"	177		90.0	65-135			
trans-1,2-Dichloroethene	180	40	"	202		88.8	65-135			
1,1-Dichloroethane	200	41	"	206		94.8	65-135			
cis-1,2-Dichloroethene	190	40	"	202		93.6	65-135			
Chloroform	230	25	"	247		93.6	65-135			
1,1,1-Trichloroethane	310	28	"	276		114	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		107	65-135			
Benzene	160	16	"	162		98.3	65-135			
Carbon tetrachloride	390	13	"	320		121	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31601 - TO-15										
LCS (ED31601-BS1)				Prepared & Analyzed: 16-Apr-13						
Trichloroethene	240	27	ug/m3	272		87.2	65-135			
Toluene	160	19	"	191		84.0	65-135			
1,1,2-Trichloroethane	270	28	"	276		96.6	65-135			
Tetrachloroethene	330	34	"	345		95.5	65-135			
1,1,1,2-Tetrachloroethane	390	35	"	349		113	65-135			
Ethylbenzene	170	22	"	220		76.7	65-135			
m,p-Xylene	300	44	"	440		69.3	65-135			
o-Xylene	180	22	"	220		79.6	65-135			
1,1,2,2-Tetrachloroethane	240	35	"	349		67.4	65-135			
Surrogate: Toluene-d8	*335*		*"*	*345*		*97.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*555*		*"*	*610*		*90.9*	*56-127*			
Batch ED31703 - TO-15										
Blank (ED31703-BLK1)				Prepared & Analyzed: 17-Apr-13						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31703 - TO-15										
Blank (ED31703-BLK1)				Prepared & Analyzed: 17-Apr-13						
Trichloroethene	ND	27	ug/m3							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: Toluene-d8	*328*		*"*	*345*		*95.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*572*		*"*	*610*		*93.8*	*56-127*			
LCS (ED31703-BS1)				Prepared & Analyzed: 17-Apr-13						
Dichlorodifluoromethane (F12)	280	25	ug/m3	250		112	65-135			
Vinyl chloride	130	13	"	130		97.3	65-135			
Chloroethane	110	27	"	134		81.7	65-135			
Trichlorofluoromethane (F11)	320	28	"	283		112	65-135			
1,1-Dichloroethene	190	20	"	202		92.6	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	300	39	"	387		77.9	65-135			
Methylene chloride (Dichloromethane)	160	18	"	177		89.5	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31703 - TO-15										
LCS (ED31703-BS1)				Prepared & Analyzed: 17-Apr-13						
trans-1,2-Dichloroethene	150	40	ug/m3	202		74.1	65-135			
1,1-Dichloroethane	190	41	"	206		89.8	65-135			
cis-1,2-Dichloroethene	180	40	"	202		87.6	65-135			
Chloroform	250	25	"	247		99.8	65-135			
1,1,1-Trichloroethane	270	28	"	276		96.9	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		107	65-135			
Benzene	130	16	"	162		82.6	65-135			
Carbon tetrachloride	330	13	"	320		103	65-135			
Trichloroethene	260	27	"	272		96.1	65-135			
Toluene	170	19	"	191		90.8	65-135			
1,1,2-Trichloroethane	240	28	"	276		87.2	65-135			
Tetrachloroethene	360	34	"	345		106	65-135			
1,1,1,2-Tetrachloroethane	360	35	"	349		102	65-135			
Ethylbenzene	150	22	"	220		69.5	65-135			
m,p-Xylene	350	44	"	440		79.8	65-135			
o-Xylene	190	22	"	220		85.3	65-135			
1,1,2,2-Tetrachloroethane	300	35	"	349		85.3	65-135			
Surrogate: Toluene-d8	*329*		*"*	*345*		*95.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*608*		*"*	*610*		*99.7*	*56-127*			
Batch ED31801 - TO-15										
Blank (ED31801-BLK1)				Prepared & Analyzed: 18-Apr-13						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31801 - TO-15										
Blank (ED31801-BLK1)				Prepared & Analyzed: 18-Apr-13						
trans-1,2-Dichloroethene	ND	40	ug/m3							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: Toluene-d8	*283*		*"*	*345*		*82.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*604*		*"*	*610*		*99.0*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED31801 - TO-15										
LCS (ED31801-BS1)				Prepared & Analyzed: 18-Apr-13						
Dichlorodifluoromethane (F12)	270	25	ug/m3	250		109	65-135			
Vinyl chloride	120	13	"	130		89.2	65-135			
Chloroethane	100	27	"	134		75.5	65-135			
Trichlorofluoromethane (F11)	350	28	"	283		123	65-135			
1,1-Dichloroethene	200	20	"	202		101	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	370	39	"	387		95.1	65-135			
Methylene chloride (Dichloromethane)	130	18	"	177		71.9	65-135			
trans-1,2-Dichloroethene	160	40	"	202		78.0	65-135			
1,1-Dichloroethane	180	41	"	206		87.2	65-135			
cis-1,2-Dichloroethene	200	40	"	202		100	65-135			
Chloroform	230	25	"	247		92.7	65-135			
1,1,1-Trichloroethane	310	28	"	276		111	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		105	65-135			
Benzene	130	16	"	162		83.2	65-135			
Carbon tetrachloride	370	13	"	320		116	65-135			
Trichloroethene	280	27	"	272		101	65-135			
Toluene	150	19	"	191		79.6	65-135			
1,1,2-Trichloroethane	250	28	"	276		88.8	65-135			
Tetrachloroethene	340	34	"	345		97.5	65-135			
1,1,1,2-Tetrachloroethane	390	35	"	349		112	65-135			
Ethylbenzene	180	22	"	220		82.8	65-135			
m,p-Xylene	380	44	"	440		86.0	65-135			
o-Xylene	200	22	"	220		90.9	65-135			
1,1,2,2-Tetrachloroethane	280	35	"	349		81.6	65-135			
Surrogate: Toluene-d8	*326*		*"*	*345*		*94.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*616*		*"*	*610*		*101*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

ITSI Gilbane Company	Project: ITSI040813-A2 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 07163.0064.FI0301 / 5211 Southern Ave	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	09-Oct-13 09:22

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15
1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-9-2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct. ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com
Collector: M. Montemayor, T. Taylor
Client Project # 07163.0064.F10301
Location: 5711 Southern Ave. Southgate, CA
Phone: 916-853-1839 Fax:
Page: 1 of 2
Project Contact: Ed Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ ~~N/A~~
Cold: ☐ Yes ☐ No ☒ ~~N/A~~
Temperature: 20°C

Special Instructions:

Lab Work Order # E304025/ ED30905

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY ☐ TPH gas 8260B	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG6-35 1PV		581	0706	4/9/13	Vapor	Glass syringe	1						X							X		
SG6-35 3PV		1742	0818				1						X							X		
SG6-35 10PV		5806	0946				1						X							X		
SG13-5		4330	1125				1						X							X		
SG13-15		4814	1157				1						X							X		
SG13-25		5298	1229				1						X							X		
SG13-35		5806	1259				1						X							X		
SG14-5		4330	1326				1						X							X		
SG14-15		4814	1402				1						X							X		
SG14-15 REP		4864	1426										X							X		

Relinquished by: (Signature)	(company) ITSI	Received by: (Signature)	(company) H+P	Date: 4/9/13	Time: 1526
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-9-2013
H&P Project # ITSI040813-A2
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct. Ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com
Collector: M. Mantemayor, T. Taylor
Client Project # 07163.0064.FI0301
Location: 5211 Southern Ave, Southgate, CA.
Phone: 916-853-1839
Fax:
Page: 2 of 2
Project Contact: E. Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304025/ED30905

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY ☐ TPH gas ☐ 8260B	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG14-25		5298	1446	4/9/13	Vapor	Glass Syringe	1						X							X		
SG14-35		5806	1505	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
	ITSI		H&P	4/9/13	1526
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-10-2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Court Ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com
Collector: T. Taylor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave, Southgate, CA
Phone: 9168531839
Fax:
Page: 1 of 2
Project Contact: E. Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☒ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304035/ED31002

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY ☐ TPH gas	8260B	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOCs: Full List ☐ 8260B ☐ TO-15	VOCs: Short List/DTSC ☐ 8260B ☒ TO-15	VOCs: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW					SOIL VAPOR/AIR ANALYSIS										
SG10-5		4330	0736	4/10/13	Vapor	Glass Syringe	1							X							X		
SG10-15		4814	0900				1							X							X		
SG10-25		5298	0931				1							X							X		
SG10-35		5806	1005				1							X							X		
SG9-5		4330	1048				1							X							X		
SG9-15		4814	1113				1							X							X		
SG9-25		5298	1139				1							X							X		
SG9-35		5806	1245				1							X							X		
SG3-5		4330	1342				1							X							X		
SG3-5 Rep		4380	1422				1							X							X		

Relinquished by: (Signature)	(company) ITSI	Received by: (Signature)	(company) H&P
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)

Date: 4/10/13 Time: 1525

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry Inc.
2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4/10/2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane company
Address: 2934 Gold Pan court Ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com
Collector: T. Taylor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave. Southgate, CA
Phone: 916 853 1839
Fax:
Page: 2 of 2
Project Contact: E. Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ~~☐ Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ ~~No~~ ☐ ~~N/A~~
Cold: ☐ Yes ☐ No ☐ ~~N/A~~
Temperature: 20°C

Special Instructions:

Lab Work Order # E304035/ED31002

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	SOIL/GW: 8260B Full List	SOIL/GW: 8260B	SOIL/GW: BTEX/OXY	SOIL/GW: TPH gas	SOIL/GW: 8015M TPH	SOIL/GW: g	SOIL/GW: d	SOIL/GW: ext	SOIL/GW: 418.1 TRPH	SOIL VAPOR/AIR ANALYSIS: VOC's: Full List 8260B	VOC's: Short List/DTSC 8260B	VOC's: SAM, 8260B	SAM A	SAM B	Naphthalene 8260B	Oxygenates 8260B	TPHv gas 8260B	Ketones 8260B	Other 8260B	Leak Check Compound	OTHER	Methane	Fixed Gases	CO_2	O_2	N_2
																	TO-15	TO-15				TO-15	TO-15	TO-15	TO-15		1,1 DFA					
SG3-25		5298	1456	4/10/13	Vapor	Glass Syringe	1											X									X					

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
	ITSI		H&P	4/10/13	1525
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-11-2013
H&P Project # ITSI 040813-A2
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Court Ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com
Collector: T. Taylor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave. South Gate, CA
Phone: 916 853-1839
Fax:
Page: 1 of 2
Project Contact: Ed Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20°c

Special Instructions:

Lab Work Order # E304043/ED31101

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	SOIL/GW: 8260B Full List	SOIL/GW: 8260B ☐ BTEX/OXY ☐ TPH gas	SOIL/GW: 8015M TPH ☐ g ☐ d ☐ ext	SOIL/GW: 418.1 TRPH	SOIL VAPOR/AIR ANALYSIS: VOC's: Full List ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	SOIL VAPOR/AIR ANALYSIS: VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	SOIL VAPOR/AIR ANALYSIS: Naphthalene ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Oxygenates ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: TPHv gas ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Ketones ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Other ____ ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Leak Check Compound ☒ 3,1 DFA ☐ OTHER	SOIL VAPOR/AIR ANALYSIS: Methane	SOIL VAPOR/AIR ANALYSIS: Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
SG3-35		5806	0753	4/11/13	Vapor	Glass Syringe	1						X							X	
SG3-15		4814	0816	↓	↓	↓	1						X							X	
SG4-5		4330	0902				1						X							X	
SG4-15		4814	1004				1						X							X	
SG4-25		5298	1043				1						X							X	
SG4-35		5806	1122				1						X							X	
SG2-5		4330	1201				1						X							X	
SG2-5 Rep		5580	1243				1						X							X	
SG2-15		4814	1304				1						X							X	
SG2-25		5298	1346	↓	↓	↓	1						X							X	

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
	MSI		H+P	4/11/13	1520
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-11-2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Court Ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com

Collector: T. Taylor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave, Southgate, CA
Phone: 9168531839 Fax:

Page: 2 of 2
Project Contact: Ed Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 20c

Special Instructions:

Lab Work Order # E304043 / ED31101

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	SOIL/GW: 8260B Full List	SOIL/GW: 8260B ☐ BTEX/OXY ☐ TPH gas	SOIL/GW: 8015M TPH ☐ g ☐ d ☐ ext	SOIL/GW: 418.1 TRPH	SOIL VAPOR/AIR ANALYSIS: VOC's: Full List ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	SOIL VAPOR/AIR ANALYSIS: VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	SOIL VAPOR/AIR ANALYSIS: Naphthalene ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Oxygenates ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: TPHv gas ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Ketones ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Other ____ ☐ 8260B ☐ TO-15	SOIL VAPOR/AIR ANALYSIS: Leak Check Compound ☒ 1,1 DFA ☐ OTHER	SOIL VAPOR/AIR ANALYSIS: Methane	SOIL VAPOR/AIR ANALYSIS: Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
SG2-35		5806	1410	4/11/13	Vapor	Glass Syringe	1					X								X		
SG12-5		4330	1513	↓	↓	↓	1					X								X		

Relinquished by: (Signature)	(company) ITSI	Received by: (Signature)	(company) H+P	Date: 4/11/13 Time: 1520
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-12-2013
H&P Project # ITSI040813-A2
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct. Ste 12, Rancho Cordova, CA, 95670
Email: dgruber@itsi.com
Collector: T. Taylor
Client Project # 07163.0064.ITO301
Location: 5211 Southern Ave, Southgate, CA
Phone: 9168531839
Page: 1 of 2
Project Contact: Ed. Gillera
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ~~☐ Yes~~ ☐ No
Seal Intact: ☐ Yes ☐ No ~~☐ N/A~~
Cold: ☐ Yes ☐ No ~~☐ N/A~~
Temperature: 20°C

Special Instructions:

Lab Work Order # E304054/ED31201

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG12-15		4814	0738	4/12/13	Vapor	Glass Syringe	1						X							X		
SG12-25		5298	0825				1						X							X		
SG12-35		5806	0906				1						X							X		
SG1-5		4330	0933				1						X							X		
SG1-15		4814	1000				1						X							X		
SG1-25		5298	1108				1						X							X		
SG1-35		5806	1206				1						X							X		
SG17-5		4330	1228				1						X							X		
SG17-15		4814	1300				1						X							X		
SG17-25		5298	1326	↓	↓	↓	1						X							X		

Relinquished by: (Signature)	(company) ITSI	Received by: (Signature)	(company) H+P	Date: 4/12/13 Time: 1533
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

H&P Mobile Geochemistry Inc.
2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-12-2013
H&P Project # ITSI040813-A2
Outside Lab:

Client: ITSI Gilbane Company
Collector: T. Taylor
Page: 2 of 2
Address: 2934 Gold Pan ct. Ste 12, Rancho Cordova, CA. 95670
Client Project # 07163.0064.FI0301
Project Contact: E. Gilleva
Location: 5211 Southern Ave, South Gate, CA
Email: dgwber@itsi.com
Phone: 916-853-1839
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304054/ED31201

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG17-35		5806	1355	4/12/13	Vapor	Glass Syringe	1						X							X		
SG16-5		4330	1415	↓	↓	↓	1						X							X		
SG16-5 Rep		4380	1444				1						X							X		
SG16-15		4814	1503				1						X							X		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
	ITSI		H&P	4/12/13	1522
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry, Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-15-2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct. ste 12, Rancho Cordova, CA 95670
Email: dgruber@itsi.com
Collector: M. Martemayor / T. Taylor
Client Project # 07163.0064.FI0301
Location: 5211 Southern Ave. South Gate, CA
Phone: 916-853-1839
Fax:
Page: 1 of 2
Project Contact: Ed Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304060 / ED31503

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	LUFT/8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 8021 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG16-25		5298	0820	4/15/13	Vapor	Glass Syringe	1						X							X		
SG16-35		5806	0910				1						X							X		
SG15-5		4330	0950				1						X							X		
SG15-15		4814	1014				1						X							X		
SG15-25		5298	1038				1						X							X		
SG15-35		5806	1104				1						X							X		
SG8-5		4330	1305				1						X							X		
SG8-15		4814	1338				1						X							X		
SG8-25		5298	1408				1						X							X		
SG8-35		5806	1434				1						X							X		

Approved/Relinquished by: (Signature)	(company) ITSI	Received by: (Signature)	(company) H&P
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)

Date	Time
4/15/13	1542

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry, Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-15-2013
H&P Project # ITSI040813-A2
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct. Ste 12, Rancho Cordova, CA. 95670
Email: dgrubere@itsi.com
Collector: T. Taylor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave. Southgate, CA
Phone: 916-853-1839 Fax:
Page: 1 of 2
Project Contact: Ed. Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304060 / ED 31503

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	LUFT/8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 8010, 1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG7-5		4330	1457	4/15/13	Vapor	Glass Syringe	1						X							X		
SG7-5 Rep		4380	1534	↓	↓	↓	1						X							X		

Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
	ITSI		H&P	4/15/13	15:42
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry, Inc.
2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-16-2013
H&P Project # ITSI040813-A2
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 ~~Gilbane~~ Gold Pan Ct, ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com

Collector: T. Taylor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave South Gate, CA
Phone: 916-853-1839 Fax:

Page: 1 of 2
Project Contact: E. Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304065/ED31601

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	BTEX/OXY ☐ TPH gas	LUFT/8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☐ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☐ 8021 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG7-15'		4814	0803	4/16/13	Vapor	Glass Syringe	1						X							X		
SG7-25		5298	0850				1						X							X		
SG7-35		5806	0950				1						X							X		
SG5-5		4330	1030				1						X							X		
SG5-5 Rep		4380	1050				1						X							X		
SG5-15		4814	1110				1						X							X		
SG5-25		5298	1154				1						X							X		
SG5-35		5806	1214				1						X							X		
SG11-5		4330	1240				1						X							X		
SG11-15		4814	1308				1						X							X		

Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
	ITSI		H&P	4/16/13	1524
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry, Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-16-2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct. Ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com

Collector: T. Taylor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave Southgate, CA
Phone: 916 853 1839 Fax:

Page: 2 of 2
Project Contact: E. Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☐ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304065/ED31601

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	LUFT/8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ___ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2	
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS											
SG11-25		5298	1342	4/16/13	Vapor	6L SS Syringe	1						X							X			
SG11-35		5806	1403				1						X							X			
SG18-5		4330	1433				1						X							X			
SG18-15		4814	1452				1						X							X			
~~SG18-25~~		~~5218~~	1515				1						X							X			VOID
SG18-25		5298	1515				1						X							X			

Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	ITSI	[signature]	H+P	4/16/13	1524
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry, Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-17-2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct. Ste 12, Rancho Cordova, CA, 95670
Email: dgruber@itsi.com
Collector: T. Taylor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave. South Gate, CA
Phone: 916-853-1839
Page: 1 of 2
Project Contact: Ed Gillera
Fax:
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☒ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304070/ED31703

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	LUFT/8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 3,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
SG18-35		5806	0752	4/11/13	Vapor	Glass Syringe	1						X							X		
JW-SB6-5		4330	0915				1						X							X		
JW-SB6-15		4814	0938				1						X							X		
JW-SB6-25		5298	1020				1						X							X		
JW-SB6-35		5806	1123				1						X							X		
JW-SB6-35 Rep		5906	1203				1						X							X		
JW-SB5-5		4330	1235				1						X							X		
JW-SB5-25		5298	1258				1						X							X		
JW-SB5-35		5806	1348				1						X							X		
JW-SB4-5		4330	1405	↓	↓	↓	1						X							X		

Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
	ITSI		H&P	4/17/13	1538
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry, Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-17-2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct Ste 12, Rancho Cordova, CA 95670
Email: dgruber@itsi.com
Collector: T. Taylor
Client Project # 07163.0064.1-10301
Location: 5211 Southern Ave, South Gate, CA
Phone: 916-853-1839 Fax:
Page: 2 of 2
Project Contact: ed Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304070/ED31703

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B	BTEX/OXY	TPH gas	LUFT/8015M TPH	g	d	ext	418.1 TRPH	VOC's: Full List 8260B	TO-15	VOC's: Short List/DTSC	8260B	TO-15	VOC's: SAM, 8260B	SAM A	SAM B	Naphthalene 8260B	TO-15	Oxygenates 8260B	TO-15	TPHv gas 8260B	TO-15	Ketones 8260B	TO-15	Other	8260B	TO-15	Leak Check Compound	1,1 DFA	OTHER	Methane	Fixed Gases	N_2	O_2	CO_2
								SOIL/GW									SOIL VAPOR/AIR ANALYSIS																										
JW-SB4-15		4814	1435	4/17/13	Vapor	Glass syringe	1											X																		X							
JW-SB4-35		5806	1517	↓	↓	↓	1											X																		X							

Approved/Relinquished by: (Signature)	(company) ITSI	Received by: (Signature)	(company) H&P	Date: 4/17/13	Time: 1538
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry, Inc.

2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-18-2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct Ste 12 Rancho Cordova, CA. 95670
Email: dgruber@itsi.com

Collector: T. Taylor
Client Project # 07163.0064.FI0301
Location: 5211 Southern Ave Southgate, CA
Phone: 9168531839
Fax:

Page: 1 of 2
Project Contact: Ed Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No ☒ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304085 / ED31801

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	LUFT/8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
JW-SB3-5		4330	0745	4/18/13	Vapor	Glass 6 oz	1						X							X		
JW-SB3-5 Rep		4380	0810				1						X							X		
JW-SB3-35		5806	0904				1						X							X		
JW-SB1-5		4330	1011				1						X							X		
JW-SB1-15		4814	1032				1						X							X		
JW-SB1-25		5298	1110				1						X							X		
JW-SB1-35		5806	1138				1						X							X		
JW-SB2-5		4330	1159				1						X							X		
JW-SB2-25		5298	1245				1						X							X		
JW-SB2-15		4814	1322				1						X							X		

Approved/Relinquished by: (Signature)	(company) ITSI	Received by: (Signature)	(company) H&P	Date: 4/18/13	Time: 1445
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Chain of Custody Record

Mobile Geochemistry, Inc.
☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 1855 Coronado Ave., Signal Hill, CA 90755 • ph 800.834.9888

Date: 4-18-2013
H&P Project # ITSI040813-AZ
Outside Lab:

Client: ITSI Gilbane Company
Address: 2934 Gold Pan Ct. Ste 12, Rancho Cordova, CA. 95670
Email: dgruber@itsi.com
Collector: T. Taylor
Client Project # 07163.0064.F10301
Location: 5211 Southern Ave, South Gate, CA
Phone: 9168531839
Fax:
Page: 2 of 2
Project Contact: Ed Gillera
Turn around time:

Geotracker EDF: Yes ☐ No ☐
Global ID:
Excel EDD: Yes ☒ No ☐

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No ☑ N/A
Temperature: 20°C

Special Instructions:

Lab Work Order # E304085/E031801

Sample Name	Field Point Name	Purge Vol	Time	Date	Sample Type	Container Type	Total # of containers	8260B Full List	8260B ☐ BTEX/OXY ☐ TPH gas	LUFT/8015M TPH ☐ g ☐ d ☐ ext	418.1 TRPH	VOC's: Full List ☐ 8260B ☐ TO-15	VOC's: Short List/DTSC ☐ 8260B ☒ TO-15	VOC's: SAM, 8260B ☐ SAM A ☐ SAM B	Naphthalene ☐ 8260B ☐ TO-15	Oxygenates ☐ 8260B ☐ TO-15	TPHv gas ☐ 8260B ☐ TO-15	Ketones ☐ 8260B ☐ TO-15	Other ____ ☐ 8260B ☐ TO-15	Leak Check Compound ☒ 1,1 DFA ☐ OTHER	Methane	Fixed Gases ☐ CO_2 ☐ O_2 ☐ N_2
								SOIL/GW				SOIL VAPOR/AIR ANALYSIS										
JW-SB2-35		5806	1345	4/18/13	Vapor	6L Tedlar Bag Syringe	1						X							X		

Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
	ITSI		H&P	4/18/13	1445
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Approved/Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal ☐ Return to client ☐ Pickup

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/9/2013
Arrival Time: 6:30
Departure Time: 15:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DM
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG6-35 1PV	SV0024	04/09/13	0706	35	37	1/4	2	12	2	6	581	✓	<200	0	
2	SG6-35 1PV R	SV0022		0748								631	✓		0	resample
3	SG6-35 3PV	SV0021		0818								1742	✓		0	
4	SG6-35 3PV R	SV0024		0904								2942	✓		0	Tedlar / resample
5	SG6-35 10PV	SV0022		0946								5806	✓		0	
6	SG6-35 10PV R	SV0021		1026	↓	↓						5856	✓		0	resample
7	SG13-5	SV0024		1125	5	6.5						4330	✓		0	
8	SG13-15	SV0022		1157	15	16.5						4814	✓		0	
9	SG13-25	SV0021		1229	25	26.5						5298	✓		0	
10	SG13-35	SV0023		1259	35	37						5806	✓		0	
11	SG14-5	SV0024		1326	5	6.5						4330	✓		0	
12	SG14-15	SV0022	↓	1402	15	16.5	↓	↓	↓	↓	↓	4814	✓	↓	2	

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	581	3PV =	1742	10PV =	5806
PV Amount Selected:	10 PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/9/2013
Arrival Time: 6:30
Departure Time: 15:30
Overtime:
Approved By:

Office Use Only:
Reviewed: MB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG14-15 REP	SV0023	04/09/13	1426	15	16.5	1/4"	2"	12"	2"	6"	4864	✓	<200	2	
14	SG14-25	SV0021	↓	1446	25	26.5	↓	↓	↓	↓	↓	5298	✓	↓	0	Split in Tedlar
15	SG14-35	SV0022	↓	1505	35	37	↓	↓	↓	↓	↓	5806	✓	↓	<1	
16		SV002														
17		SV002														
18		SV002														
19		SV002														
20		SV002														
21		SV002														
22		SV002														
23		SV002														
24		SV002														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	581	3PV =	1742	10PV =	5806
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/10/2013
Arrival Time: 6:30
Departure Time: 15:45
Overtime:
Approved By:

Office Use Only:
Reviewed: DS
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG10-5'	SV00023	04/10/13	0736	5	6.5	1/4"	2"	12"	2"	6"	4330	✓	<200	0	
2	SG10-5' R	SV00022		0805	5	6.5						4380	✓	<200	0	resample
3	SG10-15'	SV00024		0900	15	16.5						4814	✓	<200	0	Tedlar
4	SG10-25'	SV00024		0931	25	26.5						5298	✓	<200	0	
5	SG10-35'	SV00021		1005	35	37						5806	✓	<200	0	
6	SG9-5'	SV00023		1048	5	6.5						4330	✓	<200	0	
7	SG9-15'	SV00024		1113	15	16.5						4814	✓	<200	0	
8	SG9-25'	SV00022		1139	25	26.5						5298	✓	<200	0	
9	SG9-35'	SV00021		1245	35	37						5806	✓	<200	0	Tedlar
10	SG3-5	SV00023		1342	5	6.5						4330	✓	<200	0	
11	SG3-5 Rep	SV00024		1422	5	6.5						4380	✓	<200	0	
12	SG3-25'	SV00021	↓	1456	25	26.5	↓	↓	↓	↓	↓	5298	✓	<200	0	

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	**581**	3PV =	**1742**	10PV =	**5806**
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/11/2013
Arrival Time: 6:50
Departure Time: 15:45
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG3-35'	SV0022	04/11/13	0753	35	37	1/4"	2"	12"	2"	6"	5806	✓	<200	0	
2	SG3-15'	SV0021		~~0816~~ 0816 (TT)	15	16.5						4814	✓	100	3	
3	SG3-15 R	SV0023		0839	15	16.5						4964	✓	100	3	resample
4	SG4-5'	SV0022		0902	5	6.5						4330	✓	<200	0	
5	SG4-5' R	SV0024		0940	5	6.5						4380	✓	<200	0	resample
6	SG4-15'	SV0021		1004	15	16.5						4814	✓	<200	0	
7	SG4-25	SV0023		1043	25	26.5						5218	✓	100	3	
8	SG4-35	SV0022		1122	35	37						5806	✓	<200	0	
9	SG2-5'	SV0024		1201	5	6.5						4330	✓	<200	0	Teller
10	SG2-5 Rep	SV0021		1243	5	6.5						5380	✓	<200	0	Replicant
11	SG2-15'	SV0023		1304	15'	16.5						4814	✓	<200	0	
12	SG2-15R	SV0027	↓	1329	15	16.5	↓	↓	↓	↓	↓	4864	✓	<20	0	Resample

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	**581**	3PV =	**1742**	10PV =	**5806**
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/11/2013
Arrival Time: 6:50
Departure Time: 15:45
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG2-25'	SV0021	04/11/13	1346	25	26.5	1/4"	2"	12"	2"	6"	5298	✓	100	2	
14	SG2-35'	SV0024	↓	1410	35	37	↓	↓	↓	↓	↓	5906	✓	<200	0	
15	SG2-35'R	SV0023	↓	1450	35	37	↓	↓	↓	↓	↓	5956	✓	<200	0	replicate
16	SG12-5'	SV0021	↓	1573	5'	6.5	↓	↓	↓	↓	↓	4330	✓	<200	0	
17		SV002														
18		SV002														
19		SV002														
20		SV002														
21		SV002														
22		SV002														
23		SV002														
24		SV002														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	581	3PV =	1742	10PV =	5806
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/12/2013
Arrival Time: 6:50
Departure Time: 15:35
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG12-15'	SV0022	04/12/13	0738	15	16.5	1/4"	2"	12"	2"	6"	4814	✓	<200	0	
2	SG12-15'R	SV0021		0803	15	16.5						4864	✓	<200	0	resample
3	SG12-25'	SV0023		0825	25	26.5						5298	✓	<200	1	
4	SG12-25' R	SV0022		0849	25	26.5						5348	✓	<200	1	resample
5	SG12-35'	SV0024		0906	35	37						5806	✓	<200	0	
6	SG1-5	SV0021		0933	5'	6.5						4330	✓	<200	0	
7	SG1-15	SV0023		1000	15'	16.5'						4814	✓	<200	0	
8	SG1-15 Rep *	SV0027		1025	15	16.5						4864	✓	<200	0	Replicant/w/ RR
9	SG1-25	SV0024		1108	25	26.5						5298	✓	<200	0	
10	SG1-25R	SV0021		1126	25	26.5						5348	✓	<200	0	Resample
11	SG1-25RR	SV0023		1148	25	26.5						5348	✓	<200	0	Resample
12	SG1-35'	SV0024		1206	35	37						5806	✓	<200	0	

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length: 37	Diameter 1/4"	1 Volume: 179			
Sand Pack (if included in purge volume calculation):	Height: 12"	Diameter 2"	1 Volume: 247			
Dry Bentonite (if included in purge volume calculation):	Height: 6"	Diameter 2"	1 Volume: 154			
PVT Increments:	1PV = **581**	3PV = **1742**	10PV = **5806**			
PV Amount Selected:	10PV	*Selected by:*	Ed Gillera			

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

* Valve slipped of tubing while sampling, Helium air entered tubing. Will choose different location.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/12/2013
Arrival Time: 6:50
Departure Time: 15:35
Overtime:
Approved By:

Office Use Only:
Reviewed:
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG17-5'	SV002 2	04/12/13	1238	5	6.5	1/4"	2"	12"	2"	6"	4330	✓	<200	0	
14	SG17-15'	SV002 3		1300	15	16.5						4314	✓	<200	0	
15	SG17-25'	SV002 1		1326	25	26.5						5278	✓	<200	0	
16	SG12-35'	SV002 3		1355	35	37						5306	✓	<200	0	
17	SG16-5'	SV002 2		1415	5	6.5						4336	✓	<200	0	
18	SG16-5'Rep	SV002 4		1444	5	6.5						4380	✓	<200	0	Insufficient return
19	SG16-15'	SV002 1		1503	15	6.5						4814	✓	<200	0	
20		SV002														
21		SV002														
22		SV002														
23		SV002														
24		SV002														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	581	3PV =	1742	10PV =	5806
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/15/2013
Arrival Time: 7:25
Departure Time: 16:00
Overtime:
Approved By:

Office Use Only:
Reviewed: DP
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG16-25	SV00223	04/15/13	0820	25	26.5	1/4"	2"	12"	2"	6"	5298	✓	<200	0	high LCC
2	SG16-25 R	SV00222		0849	25	26.5						5348	✓	<200	0	resample high LCC
3	SG16-35	SV00224		0910	35	37						5806	✓	<200	0	high LCC
4	SG15-5'	SV00221		0950	5	6.5						4330	✓	<200	0	
5	SG15-15'	SV00212		1014	15	16.5						4814	✓	<200	0	
6	SG15-25'	SV00213		1038	25	26.5						5298	✓	<200	0	
7	SG15-35'	SV00211		1104	35	37						5806	✓	<200	0	
8	SG16-25 RR	SV00214		1208	25	26.5						5398	✓	<200	0	resample
9	SG16-35 R	SV00221		1228	35	37						5856	✓	<200	0	resample
10	SG8-5	SV00222		1305	5	6.5						4330	✓	<200	0	Tedlar
11	SG8-15	SV00223		1338	15	16.5						4814	✓	<200	0	
12	SG8-25	SV00201	↓	1408	25	26.5	↓	↓	↓	↓	↓	5298	✓	<200	3	

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV = **581**		3PV = **1742**		10PV = **5806**	
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/15/2013
Arrival Time: 7:25
Departure Time: 16:00
Overtime:
Approved By:

Office Use Only:
Reviewed:
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG8-35	SV0024	04/15/13	1434	35	37	1/4"	2"	12"	2"	6"	5806	✓	<200	0	
14	SG7-5'	SV0022	↓	1457	5	6.5	↓	↓	↓	↓	↓	4330	✓	<200	0	
15	SG7-5' REP	SV0021	↓	1534	5	6.5	↓	↓	↓	↓	↓	4380	✓	<200	0	Replicate
16		SV002														
17		SV002														
18		SV002														
19		SV002														
20		SV002														
21		SV002														
22		SV002														
23		SV002														
24		SV002														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	581	3PV =	1742	10PV =	5806
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/15/2013
Arrival Time: 6:45
Departure Time: 15:45
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG7-15'	SV0023	04/15/13	0807	15	16.5	1/4"	2"	12"	2"	6"	4814	✓	<200	4	
2	SG7-15' R	SV0024		0825	15	16.5						4864	✓	<200	4	Resample
3	SG7-25'	SV0021		0850	25	26.5						5298	✓	<200	6	
4	SG7-25' R	SV0023		0925	25	26.5						5348	✓	<200	6	resample
5	SG7-35'	SV0022		0950	35	37						5806	✓	<200	3	
6	SG7-35 R	SV0021		1005	35	37						5856	✓	<200	3	Resample
7	SG5-5	SV0023		1030	5	6.5						4330	✓	<200	0	
8	SG5-5 Rep	SV0022		1050	5	6.5						4380	✓	<200	0	Replicant
9	SG5-15	SV0024		1110	15	16.5						4814	✓	<200	0	
10	SG5-15R	SV0021		1135	15	16.5						4864	✓	<200	0	Resample
11	SG5-25'	SV0027		1154	25	26.5						5298	✓	<200	2	
12	SG5-35'	SV0024		1214	35	37						5806	✓	<200	0	

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	**581**	3PV =	**1742**	10PV =	**5806**
PV Amount Selected:	10PV		*Selected by:*	Ed Gillera		

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/15/2013
Arrival Time: 6:45
Departure Time: 15:45
Overtime:
Approved By:

Office Use Only:
Reviewed:
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG11-5'	SV0023	04/15/13	1240	5	6.5	1/4"	2"	12"	2"	6"	4330	✓	<200	0	
14	SG11-15	SV0021		1308	15	16.5						4814	✓	<200	0	
15	SG11-25	SV0022		1342	25	26.5						5298	✓	<200	5	Tedlar
16	SG11-35	SV0024		1403	35	37						5806	✓	<200	0	
17	SG18-5	SV0022		1433	5	6.5						4330	✓	<200	0	
18	SG18-15'	SV0023		1452	15	16.5						4814	✓	<200	0	
19	SG18-25	SV0024		1515	25	26.5						5298	✓	<200	0	
20		SV002														
21		SV002														
22		SV002														
23		SV002														
24		SV002														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	581	3PV =	1742	10PV =	5806
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/17/2013
Arrival Time: 6:45
Departure Time: 15:45
Overtime:
Approved By:

Office Use Only:
Reviewed:
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	SG18-35'	SV0021	04/17/13	0752	35	37	1/4"	2"	12"	2"	6"	5806	✓	<200	0	
2	SG18-35' R	SV0022		0814	35	37						5856	✓	<200	0	resample
3	JW-SB6-5'	SV0024		0915	5'	6.5						4330	✓	<200	0	
4	JW-SB6-15'	SV0022		0938	15	16.5						4814	✓	<200	0	
5	JW-SB6-15'R	SV0021		0958	15	16.5						4864	✓	<200	0	resample
6	JW-SB6-25	SV0023		1020	25	26.5						5298	✓	<200	0	
7	JW-SB6-25R	SV0021		1059	25	26.5						5348	✓	<200	0	
8	JW-SB6-35'	SV0022		1123	35	37						5806	✓	<200	0	Tedlar
9	JW-SB6-35R	SV0022		1144	35	37						5856	✓	<200	0	resample
10	JW-SB6-35Rep	SV0024		1203	35	37						5406	✓	<200	0	Replicant
11	JW-SB5-5	SV0021		1235	5	6.5						4330	✓	<200	0	
12	JW-SB5-25	SV0023	↓	1258	25	26.5	↓	↓	↓	↓	↓	5298	✓	~~200~~ 50 (T)	5	

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	**581**	3PV =	**1742**	10PV =	**5806**
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/17/2013
Arrival Time: 6:45
Departure Time: 15:45
Overtime:
Approved By:

Office Use Only:
Reviewed: MM
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	JW-SG5-25'R	SV0024	04/17/13	1332	25	26.5	1/4"	2"	12"	2"	6"	5298	✓	50	5	resample
14	JW-SG5-35	SV0023	↓	1348	35	37	↓	↓	↓	↓	↓	5806	✓	50	5	
15	JW-SG4-5'	SV0021		1405	5	6.5						4330	✓	<200	0	
16	JW-SG4-15'	SV0023		1435	15	16.5						4814	✓	50	6	
17	JW-SG4-15'R	SV0024		1455	15	16.5						4864	✓	50	6	resample
18	JW-SG4-35'	SV0022	↓	1517	35	37	↓	↓	↓	↓	↓	5806	✓	<200	0	Tedlar
19		SV002														
20		SV002														
21		SV002														
22		SV002														
23		SV002														
24		SV002														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	581	3PV =	1742	10PV =	5806
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/18/2013
Arrival Time: 6:45
Departure Time: 15:00
Overtime:
Approved By:

Office Use Only:
Reviewed:
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
1	JW-SB3-5	SV0022	04/18/13	0745	5	6.5	1/4"	2"	12"	2"	6"	4330	✓	<200	0	
2	JW-SB3-5 REP	SV0021		0810	5	6.5						4380	✓	<200	0	replicant
3	JW-SB3-35'	SV0023		0904	35'	37						5806	✓	<200	0	
4	JW-SB1-5'	SV0021		1011	5	6.5						4330	✓	<200	0	
5	JW-SB1-15'	SV0022		1032	15'	16.5						4814	✓	<200	0	
6	JW-SB1-15' R	SV0022		1052	15	16.5						4864	✓	<200	0	resample
7	JW-SB1-25'	SV0021		1110	25	26.5						5298	✓	<200	0	
8	JW-SB1-35	SV0023		1138	35	37						5806	✓	<200	0	
9	JW-SB2-5'	SV0021		1159	5	6.5						4330	✓	<200	0	
10	JW-SB2-5' R	SV0022		1219	5	6.5						4380	✓	<200	0	resample
11	JW-SB2-25	SV0024		1245	25	26.5						5298	✓	<200	0	Tedlar
12	JW-SB2-25R	SV0024	↓	1300	25	26.5	↓	↓	↓	↓	↓	5298	✓	<200	0	resample from Bag

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV = **581**		3PV = **1742**		10PV = **5806**	
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: ITSI040813-A2
Site Address: 5211 Southern Ave. Southgate, CA
Consultant: ITSI Gilbane Company
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, T. Taylor

Date: 4/18/2013
Arrival Time: 6:45
Departure Time: 15:00
Overtime:
Approved By:

Office Use Only:
Reviewed:
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	JW-SB2-15'	SV0023	04/18/13	1322	15	16.5	1/4"	2"	12"	2"	6"	4814	✓	<200	2	
14	JW-SB2-35'	SV0021	↓	1345	35	37	↓	↓	↓	↓	↓	5806	✓	50	5	
15	JW-SB2-35R	SV0022	↓	1424	35	37	↓	↓	↓	↓	↓	5806	✓	50	5	
16		SV002														
17		SV002														
18		SV002														
19		SV002														
20		SV002														
21		SV002														
22		SV002														
23		SV002														
24		SV002														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG6-35 on 4/9/13					
Tubing:	Length:	37	Diameter	1/4"	1 Volume:	179
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	581	3PV =	1742	10PV =	5806
PV Amount Selected:	10PV		*Selected by:*		Ed Gillera	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Mobile Geochemistry Inc.

16 June 2014

Mr. Don Gruber
Gilbane Company
2934 Gold Pan Court, Ste 12
Rancho Cordova, CA 95670

H&P Project: GIL042114-A1 Rev
Client Project: 9804-07163.0064 South Gate

Dear Mr. Don Gruber:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 4/21/2014 -5/2/2014 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody

Unless otherwise noted, all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa D Ems for

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. operates under CA Environmental Lab Accreditation Program Numbers 2579, 2740, 2741, 2742, 2743, 2745 and 2754. National Environmental Laboratory Accreditation Conference (NELAC) Standards Lab #11845

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAIA-SB/SG-23-5, 1PV, P433cc	E404066-01	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-5, 3PV, P1299cc	E404066-02	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-5, 10PV, P4330cc	E404066-03	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-15, 1PV, P481cc	E404066-04	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-15, 3PV, P1444cc	E404066-05	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-15, 10PV, P4814cc	E404066-06	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-25, 1PV, P530cc	E404066-07	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-35, 1PV, P578cc	E404066-08	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-25, 3PV, P1589cc	E404066-09	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-35, 3PV, P1734cc	E404066-10	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-25, 10PV, P5298cc	E404066-11	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-23-35, 10PV, P5782cc	E404066-12	Vapor	21-Apr-14	21-Apr-14
SAIA-SB/SG-39-5, P816cc	E404070-01	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-39-15, P913cc	E404070-02	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-39-25, P530cc	E404070-03	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-39-35, P578cc	E404070-04	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-38-5, P816cc	E404070-05	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-38-15, P913cc	E404070-06	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-38-15 Rep, P963cc	E404070-07	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-38-25, P530cc	E404070-08	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-38-35, P578cc	E404070-09	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-37-5, P816cc	E404070-10	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-37-15, P913cc	E404070-11	Vapor	22-Apr-14	22-Apr-14
SAIA-SB/SG-36-5, P816cc	E404074-01	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-36-15, P913cc	E404074-02	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-36-25, P530cc	E404074-03	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-36-35, P578cc	E404074-04	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-24-5, P816cc	E404074-05	Vapor	23-Apr-14	23-Apr-14

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAIA-SB/SG-24-15, P913cc	E404074-06	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-24-25, P530cc	E404074-07	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-24-35, P578cc	E404074-08	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-26-5, P816cc	E404074-09	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-26-5 Rep, P866cc	E404074-10	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-26-15, P913cc	E404074-11	Vapor	23-Apr-14	23-Apr-14
SAIA-SB/SG-26-25, P530cc	E404080-01	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-29-5, P816cc	E404080-02	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-29-15, P913cc	E404080-03	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-29-25, P530cc	E404080-04	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-29-35, P578cc	E404080-05	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-28-5, P816cc	E404080-06	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-28-15, P913cc	E404080-07	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-28-15 Rep, P963cc	E404080-08	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-28-35, P578cc	E404080-09	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-31-5, P816cc	E404080-10	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-31-15, P913cc	E404080-11	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-31-25, P530cc	E404080-12	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-31-35, P578cc	E404080-13	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-30-5, P816cc	E404080-14	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-30-15, P913cc	E404080-15	Vapor	24-Apr-14	24-Apr-14
SAIA-SB/SG-30-25, P530cc	E404085-01	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-30-35, P578cc	E404085-02	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-32-5, P816cc	E404085-03	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-32-15, P913cc	E404085-04	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-32-25, P530cc	E404085-05	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-32-35, P578cc	E404085-06	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-33-5, P816cc	E404085-07	Vapor	25-Apr-14	25-Apr-14

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAIA-SB/SG-33-5 Rep, P866cc	E404085-08	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-33-15, P913cc	E404085-09	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-33-25, P530cc	E404085-10	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-33-35, P578cc	E404085-11	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-34-5, P816cc	E404085-12	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-34-15, P913cc	E404085-13	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-34-25, P530cc	E404085-14	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-34-35, P578cc	E404085-15	Vapor	25-Apr-14	25-Apr-14
SAIA-SB/SG-35-5, P816cc	E404090-01	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-35-15, P913cc	E404090-02	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-35-25, P530cc	E404090-03	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-35-35, P578cc	E404090-04	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-25-5, P816cc	E404090-05	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-25-15, P913cc	E404090-06	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-25-15 Rep, P963cc	E404090-07	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-25-35, P578cc	E404090-08	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-25-25, P530cc	E404090-09	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-27-5, P816cc	E404090-10	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-27-15, P913cc	E404090-11	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-27-25, P530cc	E404090-12	Vapor	28-Apr-14	28-Apr-14
SAIA-SB/SG-27-35, P578cc	E404095-01	Vapor	29-Apr-14	29-Apr-14
SAIA-SB/SG-19-5, P816cc	E404095-02	Vapor	29-Apr-14	29-Apr-14
SAIA-SB/SG-19-25, P530cc	E404095-03	Vapor	29-Apr-14	29-Apr-14
SAIA-SB/SG-19-15, P913cc	E404095-04	Vapor	29-Apr-14	29-Apr-14
SAIA-SB/SG-19-35, P578cc	E404095-05	Vapor	29-Apr-14	29-Apr-14
SAIA-SB/SG-22-5, P816cc	E404095-06	Vapor	29-Apr-14	29-Apr-14
SAIA-SB/SG-22-5 Rep, P866cc	E404095-07	Vapor	29-Apr-14	29-Apr-14
SAIA-SB/SG-22-15, P913cc	E404095-08	Vapor	29-Apr-14	29-Apr-14

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAIA-SB/SG-22-25, P530cc	E404095-09	Vapor	29-Apr-14	29-Apr-14
SAIA-SB/SG-22-35, P578cc	E404099-01	Vapor	30-Apr-14	30-Apr-14
SAIA-SB/SG-22-35 Rep, P628cc	E404099-02	Vapor	30-Apr-14	30-Apr-14
SAIA-SB/SG-21-5, P816cc	E404099-03	Vapor	30-Apr-14	30-Apr-14
SAIA-SB/SG-21-15, P913cc	E404099-04	Vapor	30-Apr-14	30-Apr-14
SAIA-SB/SG-21-25, P530cc	E404099-05	Vapor	30-Apr-14	30-Apr-14
SAIA-SB/SG-21-35, P578cc	E404099-06	Vapor	30-Apr-14	30-Apr-14
SAIA-SB/SG-20-5, P816cc	E404099-07	Vapor	30-Apr-14	30-Apr-14
SAIA-SB/SG-20-15, P913cc	E404099-08	Vapor	30-Apr-14	30-Apr-14
SAIA-SB/SG-20-25, P530cc	E404099-09	Vapor	30-Apr-14	30-Apr-14
SAIA-SB/SG-20-35, P578cc	E405001-01	Vapor	01-May-14	01-May-14
SAIA-SB/SG-40-5, P816cc	E405001-02	Vapor	01-May-14	01-May-14
SAIA-SB/SG-40-15, P913cc	E405001-03	Vapor	01-May-14	01-May-14
SAIA-SB/SG-40-25, P530cc	E405001-04	Vapor	01-May-14	01-May-14
SAIA-SB/SG-40-35, P578cc	E405001-05	Vapor	01-May-14	01-May-14
SAIA-SB/SG-40-35 Rep, P628cc	E405001-06	Vapor	01-May-14	01-May-14
SAIA-SB/SG-41-5, P816cc	E405001-07	Vapor	01-May-14	01-May-14
SAIA-SB/SG-41-15, P913cc	E405001-08	Vapor	01-May-14	01-May-14
SAIA-SB/SG-41-25, P530cc	E405001-09	Vapor	01-May-14	01-May-14
SAIA-SB/SG-41-35, P578cc	E405001-10	Vapor	01-May-14	01-May-14
SAIA-SB/SG-43-5, P816cc	E405001-11	Vapor	01-May-14	01-May-14
SAIA-SB/SG-43-15, P913cc	E405007-01	Vapor	02-May-14	02-May-14
SAIA-SB/SG-43-25, P530cc	E405007-02	Vapor	02-May-14	02-May-14
SAIA-SB/SG-43-35, P578cc	E405007-03	Vapor	02-May-14	02-May-14
SAIA-SB/SG-43-35 Rep, P628cc	E405007-04	Vapor	02-May-14	02-May-14
SAIA-SB/SG-42-5, P816cc	E405007-05	Vapor	02-May-14	02-May-14
SAIA-SB/SG-42-15, P913cc	E405007-06	Vapor	02-May-14	02-May-14
SAIA-SB/SG-42-25, P530cc	E405007-07	Vapor	02-May-14	02-May-14

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SAIA-SB/SG-42-35, P578cc	E405007-08	Vapor	02-May-14	02-May-14

April 21, 2014

The percent recovery for Naphthalene fell below the method criteria in the continuing calibration verification (CCV). This analyte has been qualified for all samples analyzed on this date.

April 22, 2014

The percent recovery for Naphthalene fell below the method criteria in the CCV. This analyte has been qualified for all samples analyzed on this date.

The percent recoveries for Bromodichloromethane, 1,1,2-Trichloroethane, and 1,1,1,2-Tetrachloroethane fell above the method criteria in the CCV on this date. Since these analytes weren't detected in any samples, the data is not affected.

April 23 and 24, 2014

The percent recoveries for Naphthalene and 1,2,4-Trichlorobenzene fell below the method criteria in the CCV. These analytes have been qualified for all samples analyzed on this date.

April 25, 2014

The percent recoveries for Carbon Tetrachloride and 1,1,1,2-Tetrachloroethane fell above the method criteria in the CCV. Since these analytes were not present in any samples analyzed on this date, the data is not affected.

April 28 and 29, 2014

The percent recovery for Naphthalene fell below the method criteria in the CCV on these two dates. This analyte has been qualified for all samples analyzed on these dates.

April 30, 2014

The percent recoveries for Naphthalene and 1,2,4-Trichlorobenzene fell below the CCV. These two analytes have been qualified for samples analyzed on this date.

May 1, 2014

The percent recoveries for Carbon Tetrachloride and 1,1,1,2-Tetrachloroethane fell above the method criteria in the CCV. Since these analytes were not present in any samples analyzed on this date, the data should not be affected.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

May 2, 2014

The percent recoveries for Vinyl Chloride, Bromodichloromethane and 1,1,1,2-Tetrachloroethane fell above the method criteria in the CCV. Since these analytes were not present in any samples analyzed on this date, the data should not be affected.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

DETECTIONS SUMMARY

Sample ID: **SAIA-SB/SG-23-5, 1PV, P433cc** Laboratory ID: **E404066-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**260**	27	ug/m3	TO-15	
Tetrachloroethene	**58**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-5, 3PV, P1299cc** Laboratory ID: **E404066-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**260**	27	ug/m3	TO-15	
Tetrachloroethene	**63**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-5, 10PV, P4330cc** Laboratory ID: **E404066-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**280**	27	ug/m3	TO-15	
Tetrachloroethene	**72**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-15, 1PV, P481cc** Laboratory ID: **E404066-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**25**	16	ug/m3	TO-15	
Trichloroethene	**420**	27	ug/m3	TO-15	
Tetrachloroethene	**100**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-15, 3PV, P1444cc** Laboratory ID: **E404066-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**440**	27	ug/m3	TO-15	
Tetrachloroethene	**91**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-15, 10PV, P4814cc** Laboratory ID: **E404066-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**440**	27	ug/m3	TO-15	
Tetrachloroethene	**88**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-25, 1PV, P530cc** Laboratory ID: **E404066-07**

Analyte	Result	Reporting Limit	Units	Method	Notes

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-23-25, 1PV, P530cc** Laboratory ID: **E404066-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**47**	16	ug/m3	TO-15	
Trichloroethene	**900**	27	ug/m3	TO-15	
Tetrachloroethene	**69**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-35, 1PV, P578cc** Laboratory ID: **E404066-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**58**	40	ug/m3	TO-15	
Trichloroethene	**1500**	27	ug/m3	TO-15	
Tetrachloroethene	**110**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-25, 3PV, P1589cc** Laboratory ID: **E404066-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**43**	16	ug/m3	TO-15	
Trichloroethene	**320**	27	ug/m3	TO-15	
Toluene	**55**	19	ug/m3	TO-15	
Tetrachloroethene	**89**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-35, 3PV, P1734cc** Laboratory ID: **E404066-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**55**	40	ug/m3	TO-15	
Trichloroethene	**1500**	27	ug/m3	TO-15	
Tetrachloroethene	**82**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-25, 10PV, P5298cc** Laboratory ID: **E404066-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**160**	27	ug/m3	TO-15	
Toluene	**28**	19	ug/m3	TO-15	
Tetrachloroethene	**47**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-23-35, 10PV, P5782cc** Laboratory ID: **E404066-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**58**	40	ug/m3	TO-15	
Trichloroethene	**1500**	27	ug/m3	TO-15	
Tetrachloroethene	**75**	34	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-39-5, P816cc** Laboratory ID: **E404070-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-39-15, P913cc** Laboratory ID: **E404070-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-39-25, P530cc** Laboratory ID: **E404070-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**140**	40	ug/m3	TO-15	
Benzene	**90**	16	ug/m3	TO-15	
Trichloroethene	**78**	27	ug/m3	TO-15	
Toluene	**47**	19	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-39-35, P578cc** Laboratory ID: **E404070-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**92**	27	ug/m3	TO-15	
Vinyl chloride	**76**	13	ug/m3	TO-15	
1,1-Dichloroethene	**160**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**1700**	40	ug/m3	TO-15	
1,1-Dichloroethane	**380**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**34000**	1000	ug/m3	TO-15	
Trichloroethene	**13000**	680	ug/m3	TO-15	
Tetrachloroethene	**160**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-38-5, P816cc** Laboratory ID: **E404070-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**46**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-38-15, P913cc** Laboratory ID: **E404070-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**350**	40	ug/m3	TO-15	
Benzene	**52**	16	ug/m3	TO-15	
Trichloroethene	**330**	27	ug/m3	TO-15	
Toluene	**53**	19	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-38-15 Rep, P963cc** Laboratory ID: **E404070-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**330**	40	ug/m3	TO-15	
Benzene	**49**	16	ug/m3	TO-15	
Trichloroethene	**270**	27	ug/m3	TO-15	
Toluene	**37**	19	ug/m3	TO-15	
Tetrachloroethene	**57**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-38-25, P530cc** Laboratory ID: **E404070-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**510**	40	ug/m3	TO-15	
Benzene	**55**	16	ug/m3	TO-15	
Trichloroethene	**200**	27	ug/m3	TO-15	
Toluene	**38**	19	ug/m3	TO-15	
m,p-Xylene	**47**	44	ug/m3	TO-15	
p-Isopropyltoluene	**74**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-38-35, P578cc** Laboratory ID: **E404070-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**52000**	3200	ug/m3	TO-15	
1,1-Dichloroethene	**4400**	20	ug/m3	TO-15	
1,1-Dichloroethane	**45000**	10000	ug/m3	TO-15	
cis-1,2-Dichloroethene	**1100000**	10000	ug/m3	TO-15	
Chloroform	**44**	25	ug/m3	TO-15	
1,1,1-Trichloroethane	**120**	28	ug/m3	TO-15	
1,2-Dichloroethane (EDC)	**65**	21	ug/m3	TO-15	
Benzene	**230**	16	ug/m3	TO-15	
Trichloroethene	**940000**	6800	ug/m3	TO-15	
Toluene	**180**	19	ug/m3	TO-15	
Tetrachloroethene	**3100**	34	ug/m3	TO-15	
Ethylbenzene	**25**	22	ug/m3	TO-15	
Isopropylbenzene (Cumene)	**190**	25	ug/m3	TO-15	
1,3,5-Trimethylbenzene	**190**	25	ug/m3	TO-15	
sec-Butylbenzene	**300**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-37-5, P816cc** Laboratory ID: **E404070-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**380**	40	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-37-5, P816cc** Laboratory ID: **E404070-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**400**	27	ug/m3	TO-15	
Tetrachloroethene	**45**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-37-15, P913cc** Laboratory ID: **E404070-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**83**	40	ug/m3	TO-15	
Benzene	**58**	16	ug/m3	TO-15	
Trichloroethene	**160**	27	ug/m3	TO-15	
Toluene	**35**	19	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-36-5, P816cc** Laboratory ID: **E404074-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-36-15, P913cc** Laboratory ID: **E404074-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**21**	16	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-36-25, P530cc** Laboratory ID: **E404074-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-36-35, P578cc** Laboratory ID: **E404074-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**40**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-24-5, P816cc** Laboratory ID: **E404074-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethane	**180**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**170**	40	ug/m3	TO-15	
1,1,1-Trichloroethane	**50**	28	ug/m3	TO-15	
Trichloroethene	**920**	27	ug/m3	TO-15	
Tetrachloroethene	**93**	34	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-24-15, P913cc** Laboratory ID: **E404074-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**81**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**120**	40	ug/m3	TO-15	
1,1-Dichloroethane	**360**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**3900**	40	ug/m3	TO-15	
1,1,1-Trichloroethane	**56**	28	ug/m3	TO-15	
Benzene	**19**	16	ug/m3	TO-15	
Trichloroethene	**19000**	270	ug/m3	TO-15	
Tetrachloroethene	**93**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-24-25, P530cc** Laboratory ID: **E404074-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**110**	20	ug/m3	TO-15	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	ug/m3	TO-15	
trans-1,2-Dichloroethene	**45**	40	ug/m3	TO-15	
cis-1,2-Dichloroethene	**1200**	40	ug/m3	TO-15	
Trichloroethene	**5500**	27	ug/m3	TO-15	
Toluene	**44**	19	ug/m3	TO-15	
Tetrachloroethene	**760**	34	ug/m3	TO-15	
Ethylbenzene	**40**	22	ug/m3	TO-15	
m,p-Xylene	**51**	44	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-24-35, P578cc** Laboratory ID: **E404074-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**17000**	13	ug/m3	TO-15	E
1,1-Dichloroethene	**35000**	20	ug/m3	TO-15	E
trans-1,2-Dichloroethene	**72000**	40	ug/m3	TO-15	E
1,1-Dichloroethane	**53000**	41	ug/m3	TO-15	E
cis-1,2-Dichloroethene	**420000**	20000	ug/m3	TO-15	
Chloroform	**120**	25	ug/m3	TO-15	
1,1,1-Trichloroethane	**610**	28	ug/m3	TO-15	
Benzene	**840**	16	ug/m3	TO-15	
Trichloroethene	**980000**	14000	ug/m3	TO-15	
Toluene	**63**	19	ug/m3	TO-15	
Tetrachloroethene	**950**	34	ug/m3	TO-15	
Ethylbenzene	**93**	22	ug/m3	TO-15	
o-Xylene	**24**	22	ug/m3	TO-15	
p-Isopropyltoluene	**50**	28	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-26-5, P816cc** Laboratory ID: **E404074-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**290**	40	ug/m3	TO-15	
Benzene	**41**	16	ug/m3	TO-15	
Trichloroethene	**950**	27	ug/m3	TO-15	
Tetrachloroethene	**65**	34	ug/m3	TO-15	
1,4-Dichlorobenzene	**770**	30	ug/m3	TO-15	
1,2,4-Trichlorobenzene	**65**	38	ug/m3	TO-15	C-Low

Sample ID: **SAIA-SB/SG-26-5 Rep, P866cc** Laboratory ID: **E404074-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**240**	40	ug/m3	TO-15	
Benzene	**46**	16	ug/m3	TO-15	
Trichloroethene	**740**	27	ug/m3	TO-15	
Tetrachloroethene	**36**	34	ug/m3	TO-15	
1,4-Dichlorobenzene	**770**	30	ug/m3	TO-15	
1,2,4-Trichlorobenzene	**72**	38	ug/m3	TO-15	C-Low

Sample ID: **SAIA-SB/SG-26-15, P913cc** Laboratory ID: **E404074-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**230**	13	ug/m3	TO-15	
1,1-Dichloroethene	**110**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**240**	40	ug/m3	TO-15	
1,1-Dichloroethane	**900**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**17000**	800	ug/m3	TO-15	
Benzene	**42**	16	ug/m3	TO-15	
Trichloroethene	**33000**	550	ug/m3	TO-15	
Tetrachloroethene	**37**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-26-25, P530cc** Laboratory ID: **E404080-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**6500**	1300	ug/m3	TO-15	
1,1-Dichloroethene	**1100**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**1200**	40	ug/m3	TO-15	
1,1-Dichloroethane	**4400**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**98000**	4000	ug/m3	TO-15	
1,1,1-Trichloroethane	**30**	28	ug/m3	TO-15	
Benzene	**71**	16	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-26-25, P530cc** Laboratory ID: **E404080-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**150000**	2700	ug/m3	TO-15	
Toluene	**30**	19	ug/m3	TO-15	
Tetrachloroethene	**75**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-29-5, P816cc** Laboratory ID: **E404080-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**1200**	40	ug/m3	TO-15	
Trichloroethene	**5700**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-29-15, P913cc** Laboratory ID: **E404080-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**61**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-29-25, P530cc** Laboratory ID: **E404080-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**13**	13	ug/m3	TO-15	
cis-1,2-Dichloroethene	**83**	40	ug/m3	TO-15	
Benzene	**170**	16	ug/m3	TO-15	
Trichloroethene	**320**	27	ug/m3	TO-15	
Toluene	**35**	19	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-29-35, P578cc** Laboratory ID: **E404080-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**74**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**530**	40	ug/m3	TO-15	
1,1-Dichloroethane	**120**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**7600**	40	ug/m3	TO-15	
Trichloroethene	**9500**	27	ug/m3	TO-15	
Tetrachloroethene	**680**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-28-5, P816cc** Laboratory ID: **E404080-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**590**	34	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-28-15, P913cc** Laboratory ID: **E404080-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**690**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-28-15 Rep, P963cc** Laboratory ID: **E404080-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**540**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-28-35, P578cc** Laboratory ID: **E404080-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**64**	13	ug/m3	TO-15	
1,1-Dichloroethene	**130**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**1600**	40	ug/m3	TO-15	
1,1-Dichloroethane	**220**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**24000**	400	ug/m3	TO-15	
Trichloroethene	**11000**	270	ug/m3	TO-15	
1,1,2-Trichloroethane	**50**	28	ug/m3	TO-15	
Tetrachloroethene	**310**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-31-5, P816cc** Laboratory ID: **E404080-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**490**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-31-15, P913cc** Laboratory ID: **E404080-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**57**	27	ug/m3	TO-15	
Tetrachloroethene	**750**	34	ug/m3	TO-15	
p-Isopropyltoluene	**34**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-31-25, P530cc** Laboratory ID: **E404080-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**170**	40	ug/m3	TO-15	
Benzene	**24**	16	ug/m3	TO-15	
Trichloroethene	**2300**	27	ug/m3	TO-15	
Tetrachloroethene	**580**	34	ug/m3	TO-15	
p-Isopropyltoluene	**110**	28	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-31-35, P578cc** Laboratory ID: **E404080-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**110**	40	ug/m3	TO-15	
cis-1,2-Dichloroethene	**1600**	40	ug/m3	TO-15	
Trichloroethene	**1500**	27	ug/m3	TO-15	
Tetrachloroethene	**560**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-30-5, P816cc** Laboratory ID: **E404080-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**400**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-30-15, P913cc** Laboratory ID: **E404080-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**590**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-30-25, P530cc** Laboratory ID: **E404085-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**240**	40	ug/m3	TO-15	
Benzene	**28**	16	ug/m3	TO-15	
Trichloroethene	**1300**	27	ug/m3	TO-15	
Tetrachloroethene	**740**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-30-35, P578cc** Laboratory ID: **E404085-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**59**	40	ug/m3	TO-15	
cis-1,2-Dichloroethene	**290**	40	ug/m3	TO-15	
Trichloroethene	**250**	27	ug/m3	TO-15	
Tetrachloroethene	**490**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-32-5, P816cc** Laboratory ID: **E404085-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**76**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-32-15, P913cc** Laboratory ID: **E404085-04**

Analyte	Result	Reporting Limit	Units	Method	Notes

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-32-15, P913cc** Laboratory ID: **E404085-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**150**	40	ug/m3	TO-15	
Benzene	**21**	16	ug/m3	TO-15	
Trichloroethene	**980**	27	ug/m3	TO-15	
Tetrachloroethene	**230**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-32-25, P530cc** Laboratory ID: **E404085-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-32-35, P578cc** Laboratory ID: **E404085-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**47**	40	ug/m3	TO-15	
Trichloroethene	**120**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-33-5, P816cc** Laboratory ID: **E404085-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**470**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-33-5 Rep, P866cc** Laboratory ID: **E404085-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**410**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-33-15, P913cc** Laboratory ID: **E404085-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**190**	34	ug/m3	TO-15	
Ethylbenzene	**270**	22	ug/m3	TO-15	
m,p-Xylene	**120**	44	ug/m3	TO-15	
o-Xylene	**300**	22	ug/m3	TO-15	
Isopropylbenzene (Cumene)	**420**	25	ug/m3	TO-15	
n-Propylbenzene	**320**	25	ug/m3	TO-15	
1,3,5-Trimethylbenzene	**420**	25	ug/m3	TO-15	
tert-Butylbenzene	**400**	28	ug/m3	TO-15	
1,2,4-Trimethylbenzene	**2700**	25	ug/m3	TO-15	
sec-Butylbenzene	**1300**	28	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-33-15, P913cc** Laboratory ID: **E404085-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
p-Isopropyltoluene	**940**	28	ug/m3	TO-15	
Naphthalene	**260**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-33-25, P530cc** Laboratory ID: **E404085-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**35**	16	ug/m3	TO-15	
Toluene	**39**	19	ug/m3	TO-15	
Ethylbenzene	**170**	22	ug/m3	TO-15	
m,p-Xylene	**140**	44	ug/m3	TO-15	
o-Xylene	**46**	22	ug/m3	TO-15	
Isopropylbenzene (Cumene)	**230**	25	ug/m3	TO-15	
n-Propylbenzene	**110**	25	ug/m3	TO-15	
1,3,5-Trimethylbenzene	**230**	25	ug/m3	TO-15	
1,2,4-Trimethylbenzene	**600**	25	ug/m3	TO-15	
sec-Butylbenzene	**650**	28	ug/m3	TO-15	
p-Isopropyltoluene	**3400**	28	ug/m3	TO-15	
Naphthalene	**33**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-33-35, P578cc** Laboratory ID: **E404085-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**51**	40	ug/m3	TO-15	
cis-1,2-Dichloroethene	**630**	40	ug/m3	TO-15	
Benzene	**29**	16	ug/m3	TO-15	
Trichloroethene	**1900**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-34-5, P816cc** Laboratory ID: **E404085-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-34-15, P913cc** Laboratory ID: **E404085-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-34-25, P530cc** Laboratory ID: **E404085-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-34-35, P578cc** Laboratory ID: **E404085-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-35-5, P816cc** Laboratory ID: **E404090-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-35-15, P913cc** Laboratory ID: **E404090-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-35-25, P530cc** Laboratory ID: **E404090-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**51**	40	ug/m3	TO-15	
Benzene	**79**	16	ug/m3	TO-15	
Trichloroethene	**530**	27	ug/m3	TO-15	
Toluene	**34**	19	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-35-35, P578cc** Laboratory ID: **E404090-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-25-5, P816cc** Laboratory ID: **E404090-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**3000**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-25-15, P913cc** Laboratory ID: **E404090-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**20**	16	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-25-15, P913cc** Laboratory ID: **E404090-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**4100**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-25-15 Rep, P963cc** Laboratory ID: **E404090-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**26**	16	ug/m3	TO-15	
Tetrachloroethene	**3400**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-25-35, P578cc** Laboratory ID: **E404090-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**26**	13	ug/m3	TO-15	
1,1-Dichloroethene	**100**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**690**	40	ug/m3	TO-15	
cis-1,2-Dichloroethene	**6700**	800	ug/m3	TO-15	
Trichloroethene	**25000**	550	ug/m3	TO-15	
Tetrachloroethene	**6400**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-25-25, P530cc** Laboratory ID: **E404090-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloromethane	**58**	21	ug/m3	TO-15	
cis-1,2-Dichloroethene	**81**	40	ug/m3	TO-15	
Benzene	**28**	16	ug/m3	TO-15	
Trichloroethene	**620**	27	ug/m3	TO-15	
Toluene	**29**	19	ug/m3	TO-15	
Tetrachloroethene	**580**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-27-5, P816cc** Laboratory ID: **E404090-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**57**	40	ug/m3	TO-15	
Benzene	**29**	16	ug/m3	TO-15	
Trichloroethene	**970**	27	ug/m3	TO-15	
Toluene	**20**	19	ug/m3	TO-15	
Tetrachloroethene	**53000**	340	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-27-15, P913cc** Laboratory ID: **E404090-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**100**	40	ug/m3	TO-15	
cis-1,2-Dichloroethene	**340**	40	ug/m3	TO-15	
Benzene	**25**	16	ug/m3	TO-15	
Trichloroethene	**5300**	27	ug/m3	TO-15	
Tetrachloroethene	**30000**	340	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-27-25, P530cc** Laboratory ID: **E404090-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**460**	40	ug/m3	TO-15	
1,1-Dichloroethane	**220**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**4000**	40	ug/m3	TO-15	
Benzene	**49**	16	ug/m3	TO-15	
Trichloroethene	**23000**	270	ug/m3	TO-15	
Tetrachloroethene	**15000**	340	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-27-35, P578cc** Laboratory ID: **E404095-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**99**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**1200**	40	ug/m3	TO-15	
1,1-Dichloroethane	**58**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**14000**	400	ug/m3	TO-15	
Trichloroethene	**10000**	27	ug/m3	TO-15	
Tetrachloroethene	**210**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-19-5, P816cc** Laboratory ID: **E404095-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**370**	40	ug/m3	TO-15	
1,1-Dichloroethane	**2000**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**17000**	400	ug/m3	TO-15	
Chloroform	**85**	25	ug/m3	TO-15	
1,1,1-Trichloroethane	**2400**	28	ug/m3	TO-15	
Trichloroethene	**30000**	270	ug/m3	TO-15	
Tetrachloroethene	**1100**	34	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-19-25, P530cc** Laboratory ID: **E404095-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**810000**	16000	ug/m3	TO-15	
Chloroethane	**440**	27	ug/m3	TO-15	
1,1-Dichloroethene	**660**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**6400**	5000	ug/m3	TO-15	
1,1-Dichloroethane	**18000**	5100	ug/m3	TO-15	
cis-1,2-Dichloroethene	**22000**	5000	ug/m3	TO-15	
1,1,1-Trichloroethane	**150**	28	ug/m3	TO-15	
1,2-Dichloroethane (EDC)	**110**	21	ug/m3	TO-15	
Benzene	**600**	16	ug/m3	TO-15	
Trichloroethene	**230000**	3400	ug/m3	TO-15	
Toluene	**1900**	19	ug/m3	TO-15	
Tetrachloroethene	**410**	34	ug/m3	TO-15	
Ethylbenzene	**270**	22	ug/m3	TO-15	
m,p-Xylene	**290**	44	ug/m3	TO-15	
o-Xylene	**490**	22	ug/m3	TO-15	
Isopropylbenzene (Cumene)	**200**	25	ug/m3	TO-15	
n-Propylbenzene	**170**	25	ug/m3	TO-15	
1,3,5-Trimethylbenzene	**200**	25	ug/m3	TO-15	
1,2,4-Trimethylbenzene	**91**	25	ug/m3	TO-15	
sec-Butylbenzene	**290**	28	ug/m3	TO-15	
p-Isopropyltoluene	**180**	28	ug/m3	TO-15	
n-Butylbenzene	**270**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-19-15, P913cc** Laboratory ID: **E404095-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**13000**	2600	ug/m3	TO-15	
1,1-Dichloroethene	**85**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**500**	40	ug/m3	TO-15	
1,1-Dichloroethane	**1700**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**5300**	40	ug/m3	TO-15	
1,1,1-Trichloroethane	**64**	28	ug/m3	TO-15	
Benzene	**350**	16	ug/m3	TO-15	
Trichloroethene	**35000**	5500	ug/m3	TO-15	
Toluene	**210**	19	ug/m3	TO-15	
Tetrachloroethene	**1200**	34	ug/m3	TO-15	
Ethylbenzene	**100**	22	ug/m3	TO-15	
o-Xylene	**150**	22	ug/m3	TO-15	
Isopropylbenzene (Cumene)	**43**	25	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-19-15, P913cc** Laboratory ID: **E404095-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
n-Propylbenzene	**34**	25	ug/m3	TO-15	
1,3,5-Trimethylbenzene	**43**	25	ug/m3	TO-15	
sec-Butylbenzene	**56**	28	ug/m3	TO-15	
p-Isopropyltoluene	**43**	28	ug/m3	TO-15	
n-Butylbenzene	**34**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-19-35, P578cc** Laboratory ID: **E404095-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**38000**	260	ug/m3	TO-15	
1,1-Dichloroethene	**700**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**460**	40	ug/m3	TO-15	
1,1-Dichloroethane	**820**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**6800**	40	ug/m3	TO-15	
1,1,1-Trichloroethane	**38**	28	ug/m3	TO-15	
Benzene	**98**	16	ug/m3	TO-15	
Trichloroethene	**21000**	550	ug/m3	TO-15	
Toluene	**87**	19	ug/m3	TO-15	
Tetrachloroethene	**2200**	34	ug/m3	TO-15	
Ethylbenzene	**70**	22	ug/m3	TO-15	
m,p-Xylene	**63**	44	ug/m3	TO-15	
o-Xylene	**38**	22	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-22-5, P816cc** Laboratory ID: **E404095-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**64**	13	ug/m3	TO-15	
Trichloroethene	**86**	27	ug/m3	TO-15	
Tetrachloroethene	**35**	34	ug/m3	TO-15	
1,2,4-Trimethylbenzene	**69**	25	ug/m3	TO-15	
sec-Butylbenzene	**44**	28	ug/m3	TO-15	
p-Isopropyltoluene	**61**	28	ug/m3	TO-15	
n-Butylbenzene	**76**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-22-5 Rep, P866cc** Laboratory ID: **E404095-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**32**	13	ug/m3	TO-15	
Trichloroethene	**100**	27	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-22-5 Rep, P866cc** Laboratory ID: **E404095-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,2,4-Trimethylbenzene	**43**	25	ug/m3	TO-15	
p-Isopropyltoluene	**46**	28	ug/m3	TO-15	
n-Butylbenzene	**59**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-22-15, P913cc** Laboratory ID: **E404095-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**25**	16	ug/m3	TO-15	
Trichloroethene	**180**	27	ug/m3	TO-15	
Tetrachloroethene	**39**	34	ug/m3	TO-15	
p-Isopropyltoluene	**40**	28	ug/m3	TO-15	
n-Butylbenzene	**45**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-22-25, P530cc** Laboratory ID: **E404095-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**120**	40	ug/m3	TO-15	
Benzene	**120**	16	ug/m3	TO-15	
Trichloroethene	**310**	27	ug/m3	TO-15	
Toluene	**50**	19	ug/m3	TO-15	
Tetrachloroethene	**43**	34	ug/m3	TO-15	
1,2,4-Trimethylbenzene	**78**	25	ug/m3	TO-15	
sec-Butylbenzene	**43**	28	ug/m3	TO-15	
p-Isopropyltoluene	**97**	28	ug/m3	TO-15	
n-Butylbenzene	**110**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-22-35, P578cc** Laboratory ID: **E404099-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**47**	25	ug/m3	TO-15	
Vinyl chloride	**90**	13	ug/m3	TO-15	
1,1-Dichloroethene	**26**	20	ug/m3	TO-15	
cis-1,2-Dichloroethene	**190**	40	ug/m3	TO-15	QL-1H
Trichloroethene	**120**	27	ug/m3	TO-15	
Toluene	**23**	19	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-22-35 Rep, P628cc** Laboratory ID: **E404099-02**

Analyte	Result	Reporting Limit	Units	Method	Notes

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-22-35 Rep, P628cc** Laboratory ID: **E404099-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**51**	25	ug/m3	TO-15	
Vinyl chloride	**73**	13	ug/m3	TO-15	
1,1-Dichloroethene	**40**	20	ug/m3	TO-15	
cis-1,2-Dichloroethene	**210**	40	ug/m3	TO-15	QL-1H
Trichloroethene	**110**	27	ug/m3	TO-15	
Toluene	**20**	19	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-21-5, P816cc** Laboratory ID: **E404099-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**160**	27	ug/m3	TO-15	
Tetrachloroethene	**93**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-21-15, P913cc** Laboratory ID: **E404099-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**150**	40	ug/m3	TO-15	
1,1-Dichloroethane	**510**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**32000**	1000	ug/m3	TO-15	QL-1H
Benzene	**40**	16	ug/m3	TO-15	
Trichloroethene	**8500**	680	ug/m3	TO-15	
Toluene	**67**	19	ug/m3	TO-15	
Tetrachloroethene	**570**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-21-25, P530cc** Laboratory ID: **E404099-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**1600**	13	ug/m3	TO-15	
1,1-Dichloroethene	**1100**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**5400**	1000	ug/m3	TO-15	
1,1-Dichloroethane	**2200**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**50000**	1000	ug/m3	TO-15	QL-1H
Benzene	**120**	16	ug/m3	TO-15	
Trichloroethene	**7000**	680	ug/m3	TO-15	
Toluene	**90**	19	ug/m3	TO-15	
Tetrachloroethene	**360**	34	ug/m3	TO-15	
m,p-Xylene	**96**	44	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-21-35, P578cc** Laboratory ID: **E404099-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**4300**	13	ug/m3	TO-15	
1,1-Dichloroethene	**1700**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**4700**	40	ug/m3	TO-15	
1,1-Dichloroethane	**930**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**52000**	1000	ug/m3	TO-15	QL-1H
Benzene	**59**	16	ug/m3	TO-15	
Trichloroethene	**21000**	680	ug/m3	TO-15	
Tetrachloroethene	**38**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-20-5, P816cc** Laboratory ID: **E404099-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**170000**	1300	ug/m3	TO-15	
Chloroethane	**650**	27	ug/m3	TO-15	
1,1-Dichloroethene	**710**	20	ug/m3	TO-15	
trans-1,2-Dichloroethene	**1700**	40	ug/m3	TO-15	
1,1-Dichloroethane	**22000**	4100	ug/m3	TO-15	
cis-1,2-Dichloroethene	**610000**	4000	ug/m3	TO-15	QL-1H
1,1,1-Trichloroethane	**76**	28	ug/m3	TO-15	
1,2-Dichloroethane (EDC)	**72**	21	ug/m3	TO-15	
Benzene	**340**	16	ug/m3	TO-15	
Trichloroethene	**17000**	2700	ug/m3	TO-15	
Toluene	**460**	19	ug/m3	TO-15	
Tetrachloroethene	**290**	34	ug/m3	TO-15	
Ethylbenzene	**150**	22	ug/m3	TO-15	
m,p-Xylene	**390**	44	ug/m3	TO-15	
Isopropylbenzene (Cumene)	**39**	25	ug/m3	TO-15	
n-Propylbenzene	**45**	25	ug/m3	TO-15	
1,3,5-Trimethylbenzene	**39**	25	ug/m3	TO-15	
tert-Butylbenzene	**41**	28	ug/m3	TO-15	
1,2,4-Trimethylbenzene	**260**	25	ug/m3	TO-15	
sec-Butylbenzene	**34**	28	ug/m3	TO-15	
p-Isopropyltoluene	**69**	28	ug/m3	TO-15	
n-Butylbenzene	**41**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-20-15, P913cc** Laboratory ID: **E404099-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**85000**	1600	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-20-15, P913cc** Laboratory ID: **E404099-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroethane	**8800**	3300	ug/m3	TO-15	
1,1-Dichloroethene	**9400**	2500	ug/m3	TO-15	
trans-1,2-Dichloroethene	**19000**	5000	ug/m3	TO-15	
1,1-Dichloroethane	**20000**	5100	ug/m3	TO-15	
cis-1,2-Dichloroethene	**3000000**	50000	ug/m3	TO-15	QL-1H
1,2-Dichloroethane (EDC)	**440**	21	ug/m3	TO-15	
Benzene	**910**	16	ug/m3	TO-15	
Trichloroethene	**7700**	3400	ug/m3	TO-15	
Toluene	**740**	19	ug/m3	TO-15	
Tetrachloroethene	**440**	34	ug/m3	TO-15	
m,p-Xylene	**240**	44	ug/m3	TO-15	
Isopropylbenzene (Cumene)	**32**	25	ug/m3	TO-15	
n-Propylbenzene	**36**	25	ug/m3	TO-15	
1,3,5-Trimethylbenzene	**32**	25	ug/m3	TO-15	
1,2,4-Trimethylbenzene	**180**	25	ug/m3	TO-15	
sec-Butylbenzene	**31**	28	ug/m3	TO-15	
p-Isopropyltoluene	**58**	28	ug/m3	TO-15	
n-Butylbenzene	**37**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-20-25, P530cc** Laboratory ID: **E404099-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**98000**	1600	ug/m3	TO-15	
Chloroethane	**19000**	3300	ug/m3	TO-15	
1,1-Dichloroethene	**55000**	2500	ug/m3	TO-15	
trans-1,2-Dichloroethene	**90000**	5000	ug/m3	TO-15	
1,1-Dichloroethane	**5900**	41	ug/m3	TO-15	
cis-1,2-Dichloroethene	**23000000**	500000	ug/m3	TO-15	QL-1H
Benzene	**430**	16	ug/m3	TO-15	
Trichloroethene	**270000**	3400	ug/m3	TO-15	
Toluene	**240**	19	ug/m3	TO-15	
Tetrachloroethene	**140**	34	ug/m3	TO-15	
Ethylbenzene	**94**	22	ug/m3	TO-15	
m,p-Xylene	**290**	44	ug/m3	TO-15	
o-Xylene	**140**	22	ug/m3	TO-15	
Isopropylbenzene (Cumene)	**35**	25	ug/m3	TO-15	
n-Propylbenzene	**41**	25	ug/m3	TO-15	
1,3,5-Trimethylbenzene	**35**	25	ug/m3	TO-15	
tert-Butylbenzene	**38**	28	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-20-25, P530cc** Laboratory ID: **E404099-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,2,4-Trimethylbenzene	**280**	25	ug/m3	TO-15	
sec-Butylbenzene	**44**	28	ug/m3	TO-15	
p-Isopropyltoluene	**74**	28	ug/m3	TO-15	
n-Butylbenzene	**52**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-20-35, P578cc** Laboratory ID: **E405001-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**80000**	3200	ug/m3	TO-15	
Chloroethane	**730**	27	ug/m3	TO-15	
1,1-Dichloroethene	**20000**	5000	ug/m3	TO-15	
trans-1,2-Dichloroethene	**93000**	10000	ug/m3	TO-15	
1,1-Dichloroethane	**62000**	10000	ug/m3	TO-15	
cis-1,2-Dichloroethene	**5200000**	100000	ug/m3	TO-15	
1,2-Dichloroethane (EDC)	**230**	21	ug/m3	TO-15	
Benzene	**310**	16	ug/m3	TO-15	
Trichloroethene	**4100000**	68000	ug/m3	TO-15	
Toluene	**360**	19	ug/m3	TO-15	
Tetrachloroethene	**2000**	34	ug/m3	TO-15	
Ethylbenzene	**110**	22	ug/m3	TO-15	
m,p-Xylene	**91**	44	ug/m3	TO-15	
o-Xylene	**110**	22	ug/m3	TO-15	
Isopropylbenzene (Cumene)	**90**	25	ug/m3	TO-15	
n-Propylbenzene	**74**	25	ug/m3	TO-15	
1,3,5-Trimethylbenzene	**91**	25	ug/m3	TO-15	
1,2,4-Trimethylbenzene	**38**	25	ug/m3	TO-15	
sec-Butylbenzene	**120**	28	ug/m3	TO-15	
n-Butylbenzene	**99**	28	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-40-5, P816cc** Laboratory ID: **E405001-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**410**	40	ug/m3	TO-15	
Trichloroethene	**200**	27	ug/m3	TO-15	
Tetrachloroethene	**240**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-40-15, P913cc** Laboratory ID: **E405001-03**

Analyte	Result	Reporting Limit	Units	Method	Notes

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-40-15, P913cc** Laboratory ID: **E405001-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**340**	40	ug/m3	TO-15	
Benzene	**23**	16	ug/m3	TO-15	
Trichloroethene	**140**	27	ug/m3	TO-15	
Tetrachloroethene	**330**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-40-25, P530cc** Laboratory ID: **E405001-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**200**	40	ug/m3	TO-15	
Trichloroethene	**380**	27	ug/m3	TO-15	
Tetrachloroethene	**1200**	34	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-40-35, P578cc** Laboratory ID: **E405001-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**96**	40	ug/m3	TO-15	
cis-1,2-Dichloroethene	**900**	40	ug/m3	TO-15	
Trichloroethene	**430**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-40-35 Rep, P628cc** Laboratory ID: **E405001-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
trans-1,2-Dichloroethene	**88**	40	ug/m3	TO-15	
cis-1,2-Dichloroethene	**730**	40	ug/m3	TO-15	
Trichloroethene	**320**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-41-5, P816cc** Laboratory ID: **E405001-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**51**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-41-15, P913cc** Laboratory ID: **E405001-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**160**	40	ug/m3	TO-15	
Trichloroethene	**94**	27	ug/m3	TO-15	
Tetrachloroethene	**45**	34	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-41-25, P530cc** Laboratory ID: **E405001-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**60**	40	ug/m3	TO-15	
Trichloroethene	**34**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-41-35, P578cc** Laboratory ID: **E405001-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**69**	40	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-43-5, P816cc** Laboratory ID: **E405001-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**62**	40	ug/m3	TO-15	
Trichloroethene	**55**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-43-15, P913cc** Laboratory ID: **E405007-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-43-25, P530cc** Laboratory ID: **E405007-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**60**	40	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-43-35, P578cc** Laboratory ID: **E405007-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-43-35 Rep, P628cc** Laboratory ID: **E405007-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-42-5, P816cc** Laboratory ID: **E405007-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
cis-1,2-Dichloroethene	**190**	40	ug/m3	TO-15	
Benzene	**21**	16	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Sample ID: **SAIA-SB/SG-42-5, P816cc** Laboratory ID: **E405007-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**53**	27	ug/m3	TO-15	

Sample ID: **SAIA-SB/SG-42-15, P913cc** Laboratory ID: **E405007-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-42-25, P530cc** Laboratory ID: **E405007-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SAIA-SB/SG-42-35, P578cc** Laboratory ID: **E405007-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**17**	16	ug/m3	TO-15	
p-Isopropyltoluene	**33**	28	ug/m3	TO-15	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-5, 1PV, P433cc (E404066-01) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**260**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**58**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-5, 1PV, P433cc (E404066-01) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
Naphthalene	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.3 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*90.7 %*	*56-127*		*"*	*"*	*"*	*"*	
SAIA-SB/SG-23-5, 3PV, P1299cc (E404066-02) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**260**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**63**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-5, 3PV, P1299cc (E404066-02) Vapor	**Sampled: 21-Apr-14**	**Received: 21-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*89.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.6 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-23-5, 10PV, P4330cc (E404066-03) Vapor	**Sampled: 21-Apr-14**	**Received: 21-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**280**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-5, 10PV, P4330cc (E404066-03) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Tetrachloroethene	**72**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*67-141*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.4 %*	*56-127*		"	"	"	"	
SAIA-SB/SG-23-15, 1PV, P481cc (E404066-04) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-15, 1PV, P481cc (E404066-04) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**25**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**420**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**100**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*102 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*85.6 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-15, 3PV, P1444cc (E404066-05) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**440**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**91**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-15, 3PV, P1444cc (E404066-05) Vapor	**Sampled: 21-Apr-14**	**Received: 21-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*100 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*90.4 %*	*56-127*		*"*	*"*	*"*	*"*	
SAIA-SB/SG-23-15, 10PV, P4814cc (E404066-06) Vapor	**Sampled: 21-Apr-14**	**Received: 21-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**440**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**88**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-15, 10PV, P4814cc (E404066-06) Vapor Sampled: 21-Apr-14 Received: 21-Apr-14									
n-Propylbenzene	ND	25	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*95.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.5 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-23-25, 1PV, P530cc (E404066-07) Vapor Sampled: 21-Apr-14 Received: 21-Apr-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**47**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**900**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-25, 1PV, P530cc (E404066-07) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Tetrachloroethene	**69**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-23-35, 1PV, P578cc (E404066-08) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**58**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-35, 1PV, P578cc (E404066-08) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1500**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**110**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.1 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*95.8 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*78.5 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-25, 3PV, P1589cc (E404066-09) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**43**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**320**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**55**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**89**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-25, 3PV, P1589cc (E404066-09) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
Naphthalene	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.8 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*83.5 %*	*56-127*		*"*	*"*	*"*	*"*	
SAIA-SB/SG-23-35, 3PV, P1734cc (E404066-10) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**55**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1500**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**82**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-35, 3PV, P1734cc (E404066-10) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
n-Propylbenzene	ND	25	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*92.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.1 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-23-25, 10PV, P5298cc (E404066-11) Vapor	**Sampled: 21-Apr-14**		**Received: 21-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**160**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**28**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-25, 10PV, P5298cc (E404066-11) Vapor Sampled: 21-Apr-14 Received: 21-Apr-14									
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Tetrachloroethene	**47**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*99.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.4 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-23-35, 10PV, P5782cc (E404066-12) Vapor Sampled: 21-Apr-14 Received: 21-Apr-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**58**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-23-35, 10PV, P5782cc (E404066-12) Vapor	**Sampled: 21-Apr-14**	**Received: 21-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42104	21-Apr-14	21-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1500**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**75**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*99.3 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*91.7 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-39-5, P816cc (E404070-01) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-39-5, P816cc (E404070-01) Vapor Sampled: 22-Apr-14 Received: 22-Apr-14									
Naphthalene	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.6 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-39-15, P913cc (E404070-02) Vapor Sampled: 22-Apr-14 Received: 22-Apr-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-39-15, P913cc (E404070-02) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*92.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-39-25, P530cc (E404070-03) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**140**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**90**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**78**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**47**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-39-25, P530cc (E404070-03) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.8 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-39-35, P578cc (E404070-04) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1-Difluoroethane (LCC)	**92**	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**76**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**160**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1700**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**380**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**34000**	1000	"	25	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-39-35, P578cc (E404070-04) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**13000**	680	"	25	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**160**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.0 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-38-5, P816cc (E404070-05) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**46**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-38-5, P816cc (E404070-05) Vapor Sampled: 22-Apr-14 Received: 22-Apr-14									
Naphthalene	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*71.5 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-38-15, P913cc (E404070-06) Vapor Sampled: 22-Apr-14 Received: 22-Apr-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**350**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**52**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**330**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**53**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-38-15, P913cc (E404070-06) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*70.9 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-38-15 Rep, P963cc (E404070-07) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**330**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**49**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**270**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**37**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-38-15 Rep, P963cc (E404070-07) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Tetrachloroethene	**57**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*89.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.5 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-38-25, P530cc (E404070-08) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**510**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-38-25, P530cc (E404070-08) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**55**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**200**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**38**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	**47**	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**74**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*98.1 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*79.5 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-38-35, P578cc (E404070-09) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**52000**	3200	"	250	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**4400**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	10000	"	250	"	"	"	"	
1,1-Dichloroethane	**45000**	10000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1100000**	10000	"	"	"	"	"	"	
Chloroform	**44**	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	**120**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	**65**	21	"	"	"	"	"	"	
Benzene	**230**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**940000**	6800	"	250	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**180**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**3100**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**25**	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**190**	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**190**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**300**	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-38-35, P578cc (E404070-09) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*99.6 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*67.4 %*	*56-127*		*"*	*"*	*"*	*"*	
SAIA-SB/SG-37-5, P816cc (E404070-10) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**380**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**400**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**45**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-37-5, P816cc (E404070-10) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.4 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-37-15, P913cc (E404070-11) Vapor	**Sampled: 22-Apr-14**	**Received: 22-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**83**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**58**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**160**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**35**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-37-15, P913cc (E404070-11) Vapor Sampled: 22-Apr-14 Received: 22-Apr-14									
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42206	22-Apr-14	22-Apr-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*93.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.1 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-36-5, P816cc (E404074-01) Vapor Sampled: 23-Apr-14 Received: 23-Apr-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-36-5, P816cc (E404074-01) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*90.1 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*87.5 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-36-15, P913cc (E404074-02) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**21**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-36-15, P913cc (E404074-02) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.8 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-36-25, P530cc (E404074-03) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-36-25, P530cc (E404074-03) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.3 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-36-35, P578cc (E404074-04) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**40**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-36-35, P578cc (E404074-04) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-24-5, P816cc (E404074-05) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	**180**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**170**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-24-5, P816cc (E404074-05) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1,1-Trichloroethane	**50**	28	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**920**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**93**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*90.9 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*103 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-24-15, P913cc (E404074-06) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**81**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**120**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**360**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3900**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**56**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**19**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**19000**	270	"	10	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**93**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-24-15, P913cc (E404074-06) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*93.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-24-25, P530cc (E404074-07) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**110**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	**43**	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**45**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1200**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5500**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**44**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**760**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**40**	22	"	"	"	"	"	"	
m,p-Xylene	**51**	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-24-25, P530cc (E404074-07) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*87.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-24-35, P578cc (E404074-08) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**17000**	13	"	"	"	"	"	"	E
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**35000**	20	"	"	"	"	"	"	E
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**72000**	40	"	"	"	"	"	"	E
1,1-Dichloroethane	**53000**	41	"	"	"	"	"	"	E
cis-1,2-Dichloroethene	**420000**	20000	"	500	"	"	"	"	
Chloroform	**120**	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	**610**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**840**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**980000**	14000	"	500	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**63**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-24-35, P578cc (E404074-08) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Tetrachloroethene	**950**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**93**	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	**24**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**50**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*81.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-26-5, P816cc (E404074-09) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**290**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-26-5, P816cc (E404074-09) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**41**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**950**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**65**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	**770**	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	**65**	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.3 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*90.1 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-26-5 Rep, P866cc (E404074-10) Vapor	**Sampled: 23-Apr-14**		**Received: 23-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**240**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**46**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**740**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**36**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	**770**	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-26-5 Rep, P866cc (E404074-10) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	**72**	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*67-141*		"	"	"	"	
Surrogate: Toluene-d8		*91.3 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*56-127*		"	"	"	"	
SAIA-SB/SG-26-15, P913cc (E404074-11) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**230**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**110**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**240**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**900**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**17000**	800	"	20	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**42**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**33000**	550	"	20	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**37**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-26-15, P913cc (E404074-11) Vapor	**Sampled: 23-Apr-14**	**Received: 23-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42304	23-Apr-14	23-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*93.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.8 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-26-25, P530cc (E404080-01) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**6500**	1300	"	100	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**1100**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1200**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**4400**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**98000**	4000	"	100	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	**30**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**71**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**150000**	2700	"	100	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**30**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-26-25, P530cc (E404080-01) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Tetrachloroethene	**75**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*92.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-29-5, P816cc (E404080-02) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1200**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-29-5, P816cc (E404080-02) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5700**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*95.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-29-15, P913cc (E404080-03) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**61**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-29-15, P913cc (E404080-03) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*93.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-29-25, P530cc (E404080-04) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**13**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**83**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**170**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**320**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**35**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-29-25, P530cc (E404080-04) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-29-35, P578cc (E404080-05) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**74**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**530**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**120**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**7600**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**9500**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-29-35, P578cc (E404080-05) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Tetrachloroethene	**680**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*94.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-28-5, P816cc (E404080-06) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-28-5, P816cc (E404080-06) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**590**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*90.4 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*98.1 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-28-15, P913cc (E404080-07) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**690**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-28-15, P913cc (E404080-07) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*91.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-28-15 Rep, P963cc (E404080-08) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**540**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-28-15 Rep, P963cc (E404080-08) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*95.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-28-35, P578cc (E404080-09) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**64**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**130**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1600**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**220**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**24000**	400	"	10	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**11000**	270	"	10	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-28-35, P578cc (E404080-09) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1,2-Trichloroethane	**50**	28	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Tetrachloroethene	**310**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*94.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.8 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-31-5, P816cc (E404080-10) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-31-5, P816cc (E404080-10) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**490**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*92.0 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*98.1 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-31-15, P913cc (E404080-11) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**57**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**750**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**34**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-31-15, P913cc (E404080-11) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*92.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.9 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-31-25, P530cc (E404080-12) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**170**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**24**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**2300**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**580**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-31-25, P530cc (E404080-12) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**110**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*95.9 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*92.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-31-35, P578cc (E404080-13) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**110**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1600**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1500**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-31-35, P578cc (E404080-13) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Tetrachloroethene	**560**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*92.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.9 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-30-5, P816cc (E404080-14) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-30-5, P816cc (E404080-14) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**400**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.6 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*91.7 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-30-15, P913cc (E404080-15) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**590**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-30-15, P913cc (E404080-15) Vapor	**Sampled: 24-Apr-14**	**Received: 24-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42401	24-Apr-14	24-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*90.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.4 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-30-25, P530cc (E404085-01) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**240**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**28**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1300**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**740**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-30-25, P530cc (E404085-01) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*96.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.1 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-30-35, P578cc (E404085-02) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**59**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**290**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**250**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-30-35, P578cc (E404085-02) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Tetrachloroethene	**490**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*99.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-32-5, P816cc (E404085-03) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-32-5, P816cc (E404085-03) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**76**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*95.7 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*104 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-32-15, P913cc (E404085-04) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**150**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**21**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**980**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**230**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-32-15, P913cc (E404085-04) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.9 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-32-25, P530cc (E404085-05) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-32-25, P530cc (E404085-05) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-32-35, P578cc (E404085-06) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**47**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**120**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-32-35, P578cc (E404085-06) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*96.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-33-5, P816cc (E404085-07) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-33-5, P816cc (E404085-07) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**470**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-33-5 Rep, P866cc (E404085-08) Vapor	**Sampled: 25-Apr-14**		**Received: 25-Apr-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**410**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-33-5 Rep, P866cc (E404085-08) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-33-15, P913cc (E404085-09) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**190**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**270**	22	"	"	"	"	"	"	
m,p-Xylene	**120**	44	"	"	"	"	"	"	
o-Xylene	**300**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**420**	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-33-15, P913cc (E404085-09) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
n-Propylbenzene	**320**	25	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,3,5-Trimethylbenzene	**420**	25	"	"	"	"	"	"	
tert-Butylbenzene	**400**	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**2700**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**1300**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**940**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	**260**	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.4 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-33-25, P530cc (E404085-10) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**35**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**39**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-33-25, P530cc (E404085-10) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**170**	22	"	"	"	"	"	"	
m,p-Xylene	**140**	44	"	"	"	"	"	"	
o-Xylene	**46**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**230**	25	"	"	"	"	"	"	
n-Propylbenzene	**110**	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**230**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**600**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**650**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**3400**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	**33**	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.3 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.6 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-33-35, P578cc (E404085-11) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**51**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**630**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-33-35, P578cc (E404085-11) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**29**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**1900**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.7 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-34-5, P816cc (E404085-12) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-34-5, P816cc (E404085-12) Vapor Sampled: 25-Apr-14 Received: 25-Apr-14									
Naphthalene	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.8 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*95.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-34-15, P913cc (E404085-13) Vapor Sampled: 25-Apr-14 Received: 25-Apr-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-34-15, P913cc (E404085-13) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*97.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-34-25, P530cc (E404085-14) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-34-25, P530cc (E404085-14) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89.7 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.5 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-34-35, P578cc (E404085-15) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-34-35, P578cc (E404085-15) Vapor	**Sampled: 25-Apr-14**	**Received: 25-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42501	25-Apr-14	25-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.0 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*98.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.0 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-35-5, P816cc (E404090-01) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-35-5, P816cc (E404090-01) Vapor Sampled: 28-Apr-14 Received: 28-Apr-14									
Naphthalene	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*86.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-35-15, P913cc (E404090-02) Vapor Sampled: 28-Apr-14 Received: 28-Apr-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-35-15, P913cc (E404090-02) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*80.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-35-25, P530cc (E404090-03) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**51**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**79**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**530**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**34**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-35-25, P530cc (E404090-03) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*87.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.1 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-35-35, P578cc (E404090-04) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-35-35, P578cc (E404090-04) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*87.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-25-5, P816cc (E404090-05) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**3000**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-25-5, P816cc (E404090-05) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*92.8 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*97.9 %*	*56-127*		*"*	*"*	*"*	*"*	
SAIA-SB/SG-25-15, P913cc (E404090-06) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**20**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**4100**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-25-15, P913cc (E404090-06) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*90.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.3 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-25-15 Rep, P963cc (E404090-07) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**26**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-25-15 Rep, P963cc (E404090-07) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Tetrachloroethene	**3400**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*67-141*		"	"	"	"	
Surrogate: Toluene-d8		*89.3 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*56-127*		"	"	"	"	
SAIA-SB/SG-25-35, P578cc (E404090-08) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**26**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**100**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**690**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**6700**	800	"	20	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-25-35, P578cc (E404090-08) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**25000**	550	"	20	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**6400**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*89.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-25-25, P530cc (E404090-09) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	**58**	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**81**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**28**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**620**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**29**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**580**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-25-25, P530cc (E404090-09) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*96.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.1 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-27-5, P816cc (E404090-10) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**57**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**29**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**970**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**20**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**53000**	340	"	10	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	1	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-27-5, P816cc (E404090-10) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*85.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-27-15, P913cc (E404090-11) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**100**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**340**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**25**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**5300**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-27-15, P913cc (E404090-11) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Tetrachloroethene	**30000**	340	"	10	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	1	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*91.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-27-25, P530cc (E404090-12) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**460**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**220**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**4000**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-27-25, P530cc (E404090-12) Vapor	**Sampled: 28-Apr-14**	**Received: 28-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42803	28-Apr-14	28-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**49**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**23000**	270	"	10	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**15000**	340	"	10	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	1	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.2 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-27-35, P578cc (E404095-01) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**99**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1200**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**58**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**14000**	400	"	10	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**10000**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**210**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-27-35, P578cc (E404095-01) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*94.1 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*83.1 %*		*56-127*	*"*	*"*	*"*	*"*	
SAIA-SB/SG-19-5, P816cc (E404095-02) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**370**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**2000**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**17000**	400	"	10	"	"	"	"	
Chloroform	**85**	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	**2400**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**30000**	270	"	10	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1100**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-19-5, P816cc (E404095-02) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*97.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.5 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-19-25, P530cc (E404095-03) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**810000**	16000	"	1250	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	**440**	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**660**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**6400**	5000	"	125	"	"	"	"	
1,1-Dichloroethane	**18000**	5100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**22000**	5000	"	"	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	**150**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	**110**	21	"	"	"	"	"	"	
Benzene	**600**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**230000**	3400	"	125	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**1900**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-19-25, P530cc (E404095-03) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Tetrachloroethene	**410**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**270**	22	"	"	"	"	"	"	
m,p-Xylene	**290**	44	"	"	"	"	"	"	
o-Xylene	**490**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**200**	25	"	"	"	"	"	"	
n-Propylbenzene	**170**	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**200**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**91**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**290**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**180**	28	"	"	"	"	"	"	
n-Butylbenzene	**270**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*89.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.6 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-19-15, P913cc (E404095-04) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**13000**	2600	"	200	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**85**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**500**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**1700**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**5300**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-19-15, P913cc (E404095-04) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1,1-Trichloroethane	**64**	28	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**350**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**35000**	5500	"	200	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**210**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1200**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**100**	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	**150**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**43**	25	"	"	"	"	"	"	
n-Propylbenzene	**34**	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**43**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**56**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**43**	28	"	"	"	"	"	"	
n-Butylbenzene	**34**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.0 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*83.3 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-19-35, P578cc (E404095-05) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**38000**	260	"	20	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**700**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**460**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**820**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**6800**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	**38**	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**98**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**21000**	550	"	20	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**87**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**2200**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**70**	22	"	"	"	"	"	"	
m,p-Xylene	**63**	44	"	"	"	"	"	"	
o-Xylene	**38**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-19-35, P578cc (E404095-05) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*89.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.4 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-22-5, P816cc (E404095-06) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**64**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**86**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**35**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-22-5, P816cc (E404095-06) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**69**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**44**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**61**	28	"	"	"	"	"	"	
n-Butylbenzene	**76**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*95.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-22-5 Rep, P866cc (E404095-07) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**32**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**100**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-22-5 Rep, P866cc (E404095-07) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**43**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**46**	28	"	"	"	"	"	"	
n-Butylbenzene	**59**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*96.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.6 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-22-15, P913cc (E404095-08) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-22-15, P913cc (E404095-08) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**25**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**180**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**39**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**40**	28	"	"	"	"	"	"	
n-Butylbenzene	**45**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*90.9 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*89.4 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-22-25, P530cc (E404095-09) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**120**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**120**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**310**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**50**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**43**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**78**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**43**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**97**	28	"	"	"	"	"	"	
n-Butylbenzene	**110**	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-22-25, P530cc (E404095-09) Vapor	**Sampled: 29-Apr-14**	**Received: 29-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED42902	29-Apr-14	29-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*97.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.1 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-22-35, P578cc (E404099-01) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	**47**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**90**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**26**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**190**	40	"	"	"	"	"	"	QL-1H
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**120**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**23**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-22-35, P578cc (E404099-01) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*94.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.1 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-22-35 Rep, P628cc (E404099-02) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	**51**	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**73**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**40**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**210**	40	"	"	"	"	"	"	QL-1H
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**110**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**20**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-22-35 Rep, P628cc (E404099-02) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*67-141*		"	"	"	"	
Surrogate: Toluene-d8		*95.7 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.2 %*	*56-127*		"	"	"	"	
SAIA-SB/SG-21-5, P816cc (E404099-03) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-21-5, P816cc (E404099-03) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**160**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**93**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*94.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-21-15, P913cc (E404099-04) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**150**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**510**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**32000**	1000	"	25	"	"	"	"	QL-1H
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**40**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**8500**	680	"	25	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**67**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**570**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-21-15, P913cc (E404099-04) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-21-25, P530cc (E404099-05) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**1600**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**1100**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**5400**	1000	"	25	"	"	"	"	
1,1-Dichloroethane	**2200**	41	"	1	"	"	"	"	
cis-1,2-Dichloroethene	**50000**	1000	"	25	"	"	"	"	QL-1H
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**120**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**7000**	680	"	25	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**90**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**360**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	**96**	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-21-25, P530cc (E404099-05) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
n-Propylbenzene	ND	25	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*91.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.7 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-21-35, P578cc (E404099-06) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**4300**	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**1700**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**4700**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**930**	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**52000**	1000	"	25	"	"	"	"	QL-1H
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**59**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**21000**	680	"	25	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-21-35, P578cc (E404099-06) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Tetrachloroethene	**38**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*96.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.5 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-20-5, P816cc (E404099-07) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**170000**	1300	"	100	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	**650**	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**710**	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**1700**	40	"	"	"	"	"	"	
1,1-Dichloroethane	**22000**	4100	"	100	"	"	"	"	
cis-1,2-Dichloroethene	**610000**	4000	"	"	"	"	"	"	QL-1H
Chloroform	ND	25	"	1	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-20-5, P816cc (E404099-07) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1,1-Trichloroethane	**76**	28	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
1,2-Dichloroethane (EDC)	**72**	21	"	"	"	"	"	"	
Benzene	**340**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**17000**	2700	"	100	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**460**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**290**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**150**	22	"	"	"	"	"	"	
m,p-Xylene	**390**	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**39**	25	"	"	"	"	"	"	
n-Propylbenzene	**45**	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**39**	25	"	"	"	"	"	"	
tert-Butylbenzene	**41**	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**260**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**34**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**69**	28	"	"	"	"	"	"	
n-Butylbenzene	**41**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low

Surrogate: 1,2-Dichloroethane-d4	*100 %*	*67-141*	*"*	*"*	*"*	*"*
Surrogate: Toluene-d8	*101 %*	*75-125*	*"*	*"*	*"*	*"*
Surrogate: 4-Bromofluorobenzene	*69.4 %*	*56-127*	*"*	*"*	*"*	*"*

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-20-15, P913cc (E404099-08) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**85000**	1600	"	125	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	**8800**	3300	"	125	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	1	"	"	"	"	
1,1-Dichloroethene	**9400**	2500	"	125	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	1	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**19000**	5000	"	125	"	"	"	"	
1,1-Dichloroethane	**20000**	5100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3000000**	50000	"	1250	"	"	"	"	QL-1H
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	**440**	21	"	"	"	"	"	"	
Benzene	**910**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**7700**	3400	"	125	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**740**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**440**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	**240**	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**32**	25	"	"	"	"	"	"	
n-Propylbenzene	**36**	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**32**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**180**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**31**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**58**	28	"	"	"	"	"	"	
n-Butylbenzene	**37**	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-20-15, P913cc (E404099-08) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
Naphthalene	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*93.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*68.1 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-20-25, P530cc (E404099-09) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**98000**	1600	"	125	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	**19000**	3300	"	125	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	1	"	"	"	"	
1,1-Dichloroethene	**55000**	2500	"	125	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	1	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**90000**	5000	"	125	"	"	"	"	
1,1-Dichloroethane	**5900**	41	"	1	"	"	"	"	
cis-1,2-Dichloroethene	**23000000**	500000	"	12500	"	"	"	"	QL-1H
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**430**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**270000**	3400	"	125	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**240**	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**140**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**94**	22	"	"	"	"	"	"	
m,p-Xylene	**290**	44	"	"	"	"	"	"	
o-Xylene	**140**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**35**	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-20-25, P530cc (E404099-09) Vapor	**Sampled: 30-Apr-14**	**Received: 30-Apr-14**							
n-Propylbenzene	**41**	25	ug/m3	1	ED43003	30-Apr-14	30-Apr-14	TO-15	
1,3,5-Trimethylbenzene	**35**	25	"	"	"	"	"	"	
tert-Butylbenzene	**38**	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**280**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**44**	28	"	"	"	"	"	"	
p-Isopropyltoluene	**74**	28	"	"	"	"	"	"	
n-Butylbenzene	**52**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	C-Low
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	C-Low
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*76.6 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-20-35, P578cc (E405001-01) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	**80000**	3200	"	250	"	"	"	"	
Bromomethane	ND	39	"	1	"	"	"	"	
Chloroethane	**730**	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	**20000**	5000	"	250	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	1	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**93000**	10000	"	250	"	"	"	"	
1,1-Dichloroethane	**62000**	10000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**5200000**	100000	"	2500	"	"	"	"	
Chloroform	ND	25	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	**230**	21	"	"	"	"	"	"	
Benzene	**310**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**4100000**	68000	"	2500	"	"	"	"	
1,4-Dioxane	ND	36	"	1	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	**360**	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-20-35, P578cc (E405001-01) Vapor Sampled: 01-May-14 Received: 01-May-14									
1,1,2-Trichloroethane	ND	28	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Tetrachloroethene	**2000**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	**110**	22	"	"	"	"	"	"	
m,p-Xylene	**91**	44	"	"	"	"	"	"	
o-Xylene	**110**	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**90**	25	"	"	"	"	"	"	
n-Propylbenzene	**74**	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**91**	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**38**	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	**120**	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	**99**	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*78.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*73.4 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-40-5, P816cc (E405001-02) Vapor Sampled: 01-May-14 Received: 01-May-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**410**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-40-5, P816cc (E405001-02) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**200**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**240**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*96.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-40-15, P913cc (E405001-03) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**340**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**23**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**140**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**330**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-40-15, P913cc (E405001-03) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
Naphthalene	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.6 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*86.0 %*	*56-127*		*"*	*"*	*"*	*"*	
SAIA-SB/SG-40-25, P530cc (E405001-04) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**200**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**380**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**1200**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-40-25, P530cc (E405001-04) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
n-Propylbenzene	ND	25	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*99.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-40-35, P578cc (E405001-05) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**96**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**900**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**430**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-40-35, P578cc (E405001-05) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.4 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-40-35 Rep, P628cc (E405001-06) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**88**	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**730**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-40-35 Rep, P628cc (E405001-06) Vapor	**Sampled: 01-May-14**		**Received: 01-May-14**						
1,1,1-Trichloroethane	ND	28	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**320**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*67-141*		"	"	"	"	
Surrogate: Toluene-d8		*88.8 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*56-127*		"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-41-5, P816cc (E405001-07) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**51**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-41-5, P816cc (E405001-07) Vapor Sampled: 01-May-14 Received: 01-May-14									
Naphthalene	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*91.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-41-15, P913cc (E405001-08) Vapor Sampled: 01-May-14 Received: 01-May-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**160**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**94**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	**45**	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-41-15, P913cc (E405001-08) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
n-Propylbenzene	ND	25	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.9 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-41-25, P530cc (E405001-09) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**60**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**34**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-41-25, P530cc (E405001-09) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.7 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-41-35, P578cc (E405001-10) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**69**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-41-35, P578cc (E405001-10) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*92.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.9 %*		*56-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-43-5, P816cc (E405001-11) Vapor	**Sampled: 01-May-14**	**Received: 01-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**62**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**55**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-43-5, P816cc (E405001-11) Vapor Sampled: 01-May-14 Received: 01-May-14									
Naphthalene	ND	27	ug/m3	1	EE40101	01-May-14	01-May-14	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*93.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.5 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-43-15, P913cc (E405007-01) Vapor Sampled: 02-May-14 Received: 02-May-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-43-15, P913cc (E405007-01) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
n-Propylbenzene	ND	25	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*88.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.9 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-43-25, P530cc (E405007-02) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**60**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-43-25, P530cc (E405007-02) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*95.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-43-35, P578cc (E405007-03) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-43-35, P578cc (E405007-03) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.3 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*89.2 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*95.2 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-43-35 Rep, P628cc (E405007-04) Vapor	**Sampled: 02-May-14**		**Received: 02-May-14**						
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-43-35 Rep, P628cc (E405007-04) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
Naphthalene	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*94.3 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*85.1 %*	*56-127*		*"*	*"*	*"*	*"*	
SAIA-SB/SG-42-5, P816cc (E405007-05) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**190**	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**21**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	**53**	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-42-5, P816cc (E405007-05) Vapor Sampled: 02-May-14 Received: 02-May-14									
n-Propylbenzene	ND	25	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*94.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-42-15, P913cc (E405007-06) Vapor Sampled: 02-May-14 Received: 02-May-14									
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-42-15, P913cc (E405007-06) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
1,1,2-Trichloroethane	ND	28	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.3 %*		*67-141*	"	"	"	"	
Surrogate: Toluene-d8		*95.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.5 %*		*56-127*	"	"	"	"	
SAIA-SB/SG-42-25, P530cc (E405007-07) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-42-25, P530cc (E405007-07) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
1,1,1-Trichloroethane	ND	28	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	ND	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	ND	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	
Naphthalene	ND	27	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*67-141*	*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*92.0 %*		*75-125*	*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*94.3 %*		*56-127*	*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-42-35, P578cc (E405007-08) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
1,1-Difluoroethane (LCC)	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
Dichlorodifluoromethane (F12)	ND	25	"	"	"	"	"	"	
Chloromethane	ND	21	"	"	"	"	"	"	
Vinyl chloride	ND	13	"	"	"	"	"	"	
Bromomethane	ND	39	"	"	"	"	"	"	
Chloroethane	ND	27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	28	"	"	"	"	"	"	
1,1-Dichloroethene	ND	20	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	41	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	40	"	"	"	"	"	"	
Chloroform	ND	25	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	28	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	21	"	"	"	"	"	"	
Benzene	**17**	16	"	"	"	"	"	"	
Carbon tetrachloride	ND	13	"	"	"	"	"	"	
Trichloroethene	ND	27	"	"	"	"	"	"	
1,4-Dioxane	ND	36	"	"	"	"	"	"	
Bromodichloromethane	ND	34	"	"	"	"	"	"	
Toluene	ND	19	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	28	"	"	"	"	"	"	
Tetrachloroethene	ND	34	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Ethylbenzene	ND	22	"	"	"	"	"	"	
m,p-Xylene	ND	44	"	"	"	"	"	"	
o-Xylene	ND	22	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	35	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	25	"	"	"	"	"	"	
n-Propylbenzene	ND	25	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	25	"	"	"	"	"	"	
tert-Butylbenzene	ND	28	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	25	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	30	"	"	"	"	"	"	
sec-Butylbenzene	ND	28	"	"	"	"	"	"	
p-Isopropyltoluene	**33**	28	"	"	"	"	"	"	
n-Butylbenzene	ND	28	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SAIA-SB/SG-42-35, P578cc (E405007-08) Vapor	**Sampled: 02-May-14**	**Received: 02-May-14**							
Naphthalene	ND	27	ug/m3	1	EE40201	02-May-14	02-May-14	TO-15	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*67-141*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*89.9 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*91.2 %*	*56-127*		*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42104 - TO-15										
Blank (ED42104-BLK1)				Prepared & Analyzed: 21-Apr-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42104 - TO-15										
Blank (ED42104-BLK1)				Prepared & Analyzed: 21-Apr-14						
1,4-Dichlorobenzene	ND	30	ug/m3							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*895*		*"*	*886*		*101*	*67-141*			
Surrogate: Toluene-d8	*850*		*"*	*864*		*98.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1130*		*"*	*1530*		*73.8*	*56-127*			
LCS (ED42104-BS1)				Prepared & Analyzed: 21-Apr-14						
Dichlorodifluoromethane (F12)	290	25	ug/m3	250		114	65-135			
Vinyl chloride	140	13	"	130		106	65-135			
Chloroethane	140	27	"	134		108	65-135			
Trichlorofluoromethane (F11)	340	28	"	283		122	65-135			
1,1-Dichloroethene	190	20	"	202		92.3	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	420	39	"	387		108	65-135			
Methylene chloride (Dichloromethane)	150	18	"	177		86.3	65-135			
trans-1,2-Dichloroethene	190	40	"	202		94.3	65-135			
1,1-Dichloroethane	200	41	"	206		96.5	65-135			
cis-1,2-Dichloroethene	230	40	"	202		112	65-135			
Chloroform	240	25	"	247		97.2	65-135			
1,1,1-Trichloroethane	290	28	"	276		104	65-135			
1,2-Dichloroethane (EDC)	220	21	"	206		105	65-135			
Benzene	160	16	"	162		98.9	65-135			
Carbon tetrachloride	380	13	"	320		120	65-135			
Trichloroethene	260	27	"	272		94.8	65-135			
Toluene	190	19	"	191		99.7	65-135			
1,1,2-Trichloroethane	300	28	"	276		107	65-135			
Tetrachloroethene	380	34	"	345		110	65-135			
1,1,1,2-Tetrachloroethane	490	35	"	349		141	65-135			QL-1L
Ethylbenzene	230	22	"	220		103	65-135			
m,p-Xylene	480	44	"	440		108	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42104 - TO-15										
LCS (ED42104-BS1)				Prepared & Analyzed: 21-Apr-14						
o-Xylene	220	22	ug/m3	220		102	65-135			
1,1,2,2-Tetrachloroethane	370	35	"	349		106	65-135			
Surrogate: 1,2-Dichloroethane-d4	*886*		*"*	*886*		*100*	*67-141*			
Surrogate: Toluene-d8	*799*		*"*	*864*		*92.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1430*		*"*	*1530*		*93.4*	*56-127*			
Batch ED42206 - TO-15										
Blank (ED42206-BLK1)				Prepared & Analyzed: 22-Apr-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42206 - TO-15										
Blank (ED42206-BLK1)				Prepared & Analyzed: 22-Apr-14						
1,1,1,2-Tetrachloroethane	ND	35	ug/m3							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*834*		*"*	*886*		*94.2*	*67-141*			
Surrogate: Toluene-d8	*900*		*"*	*864*		*104*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1160*		*"*	*1530*		*75.8*	*56-127*			
LCS (ED42206-BS1)				Prepared & Analyzed: 22-Apr-14						
Dichlorodifluoromethane (F12)	270	25	ug/m3	250		109	65-135			
Vinyl chloride	130	13	"	130		101	65-135			
Chloroethane	120	27	"	134		90.5	65-135			
Trichlorofluoromethane (F11)	340	28	"	283		122	65-135			
1,1-Dichloroethene	200	20	"	202		101	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	430	39	"	387		111	65-135			
Methylene chloride (Dichloromethane)	160	18	"	177		89.3	65-135			
trans-1,2-Dichloroethene	210	40	"	202		102	65-135			
1,1-Dichloroethane	210	41	"	206		101	65-135			
cis-1,2-Dichloroethene	230	40	"	202		114	65-135			
Chloroform	250	25	"	247		101	65-135			
1,1,1-Trichloroethane	300	28	"	276		107	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42206 - TO-15										
LCS (ED42206-BS1)				Prepared & Analyzed: 22-Apr-14						
1,2-Dichloroethane (EDC)	210	21	ug/m3	206		99.8	65-135			
Benzene	130	16	"	162		77.7	65-135			
Carbon tetrachloride	420	13	"	320		130	65-135			
Trichloroethene	330	27	"	272		120	65-135			
Toluene	170	19	"	191		91.5	65-135			
1,1,2-Trichloroethane	300	28	"	276		107	65-135			
Tetrachloroethene	450	34	"	345		131	65-135			
1,1,1,2-Tetrachloroethane	410	35	"	349		117	65-135			
Ethylbenzene	190	22	"	220		87.2	65-135			
m,p-Xylene	370	44	"	440		83.1	65-135			
o-Xylene	170	22	"	220		79.3	65-135			
1,1,2,2-Tetrachloroethane	350	35	"	349		101	65-135			
Surrogate: 1,2-Dichloroethane-d4	*842*		*"*	*886*		*95.0*	*67-141*			
Surrogate: Toluene-d8	*968*		*"*	*864*		*112*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1580*		*"*	*1530*		*103*	*56-127*			
Batch ED42304 - TO-15										
Blank (ED42304-BLK1)				Prepared & Analyzed: 23-Apr-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42304 - TO-15										
Blank (ED42304-BLK1)				Prepared & Analyzed: 23-Apr-14						
1,1,1-Trichloroethane	ND	28	ug/m3							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*894*		*"*	*886*		*101*	*67-141*			
Surrogate: Toluene-d8	*790*		*"*	*864*		*91.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1110*		*"*	*1530*		*72.6*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42304 - TO-15										
LCS (ED42304-BS1)				Prepared & Analyzed: 23-Apr-14						
Dichlorodifluoromethane (F12)	250	25	ug/m3	250		98.8	65-135			
Vinyl chloride	120	13	"	130		90.8	65-135			
Chloroethane	130	27	"	134		101	65-135			
Trichlorofluoromethane (F11)	280	28	"	283		101	65-135			
1,1-Dichloroethene	170	20	"	202		83.0	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	380	39	"	387		98.4	65-135			
Methylene chloride (Dichloromethane)	120	18	"	177		65.5	65-135			
trans-1,2-Dichloroethene	170	40	"	202		85.6	65-135			
1,1-Dichloroethane	170	41	"	206		84.6	65-135			
cis-1,2-Dichloroethene	180	40	"	202		90.5	65-135			
Chloroform	210	25	"	247		86.4	65-135			
1,1,1-Trichloroethane	230	28	"	276		85.0	65-135			
1,2-Dichloroethane (EDC)	200	21	"	206		96.9	65-135			
Benzene	120	16	"	162		71.9	65-135			
Carbon tetrachloride	370	13	"	320		115	65-135			
Trichloroethene	300	27	"	272		111	65-135			
Toluene	160	19	"	191		82.9	65-135			
1,1,2-Trichloroethane	360	28	"	276		129	65-135			
Tetrachloroethene	340	34	"	345		99.5	65-135			
1,1,1,2-Tetrachloroethane	350	35	"	349		101	65-135			
Ethylbenzene	150	22	"	220		66.4	65-135			
m,p-Xylene	300	44	"	440		68.2	65-135			
o-Xylene	150	22	"	220		67.8	65-135			
1,1,2,2-Tetrachloroethane	260	35	"	349		73.4	65-135			
Surrogate: 1,2-Dichloroethane-d4	*884*		*"*	*886*		*99.8*	*67-141*			
Surrogate: Toluene-d8	*859*		*"*	*864*		*99.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1530*		*"*	*1530*		*100*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42401 - TO-15										
Blank (ED42401-BLK1)				Prepared & Analyzed: 24-Apr-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42401 - TO-15										
Blank (ED42401-BLK1)				Prepared & Analyzed: 24-Apr-14						
1,4-Dichlorobenzene	ND	30	ug/m3							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*922*		*"*	*886*		*104*	*67-141*			
Surrogate: Toluene-d8	*744*		*"*	*864*		*86.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1450*		*"*	*1530*		*94.9*	*56-127*			
LCS (ED42401-BS1)				Prepared & Analyzed: 24-Apr-14						
Dichlorodifluoromethane (F12)	330	25	ug/m3	250		131	65-135			
Vinyl chloride	170	13	"	130		128	65-135			
Chloroethane	130	27	"	134		98.3	65-135			
Trichlorofluoromethane (F11)	380	28	"	283		134	65-135			
1,1-Dichloroethene	210	20	"	202		103	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	420	39	"	387		108	65-135			
Methylene chloride (Dichloromethane)	140	18	"	177		77.7	65-135			
trans-1,2-Dichloroethene	210	40	"	202		102	65-135			
1,1-Dichloroethane	200	41	"	206		95.7	65-135			
cis-1,2-Dichloroethene	210	40	"	202		105	65-135			
Chloroform	280	25	"	247		114	65-135			
1,1,1-Trichloroethane	300	28	"	276		109	65-135			
1,2-Dichloroethane (EDC)	240	21	"	206		117	65-135			
Benzene	150	16	"	162		91.0	65-135			
Carbon tetrachloride	430	13	"	320		134	65-135			
Trichloroethene	340	27	"	272		124	65-135			
Toluene	220	19	"	191		115	65-135			
1,1,2-Trichloroethane	320	28	"	276		115	65-135			
Tetrachloroethene	420	34	"	345		122	65-135			
1,1,1,2-Tetrachloroethane	470	35	"	349		134	65-135			
Ethylbenzene	210	22	"	220		94.2	65-135			
m,p-Xylene	440	44	"	440		99.2	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42401 - TO-15										
LCS (ED42401-BS1)				Prepared & Analyzed: 24-Apr-14						
o-Xylene	210	22	ug/m3	220		95.2	65-135			
1,1,2,2-Tetrachloroethane	360	35	"	349		103	65-135			
Surrogate: 1,2-Dichloroethane-d4	*819*		*"*	*886*		*92.5*	*67-141*			
Surrogate: Toluene-d8	*814*		*"*	*864*		*94.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1460*		*"*	*1530*		*95.4*	*56-127*			
Batch ED42501 - TO-15										
Blank (ED42501-BLK1)				Prepared & Analyzed: 25-Apr-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42501 - TO-15										
Blank (ED42501-BLK1)				Prepared & Analyzed: 25-Apr-14						
1,1,1,2-Tetrachloroethane	ND	35	ug/m3							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*849*		*"*	*886*		*95.9*	*67-141*			
Surrogate: Toluene-d8	*731*		*"*	*864*		*84.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1390*		*"*	*1530*		*91.0*	*56-127*			
LCS (ED42501-BS1)				Prepared & Analyzed: 25-Apr-14						
Dichlorodifluoromethane (F12)	240	25	ug/m3	250		94.2	65-135			
Vinyl chloride	130	13	"	130		98.3	65-135			
Chloroethane	96	27	"	134		71.4	65-135			
Trichlorofluoromethane (F11)	280	28	"	283		99.2	65-135			
1,1-Dichloroethene	160	20	"	202		78.1	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	370	39	"	387		95.7	65-135			
Methylene chloride (Dichloromethane)	130	18	"	177		76.1	65-135			
trans-1,2-Dichloroethene	200	40	"	202		97.0	65-135			
1,1-Dichloroethane	160	41	"	206		77.1	65-135			
cis-1,2-Dichloroethene	160	40	"	202		79.7	65-135			
Chloroform	180	25	"	247		72.8	65-135			
1,1,1-Trichloroethane	210	28	"	276		75.3	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42501 - TO-15										
LCS (ED42501-BS1)				Prepared & Analyzed: 25-Apr-14						
1,2-Dichloroethane (EDC)	180	21	ug/m3	206		85.8	65-135			
Benzene	110	16	"	162		69.5	65-135			
Carbon tetrachloride	360	13	"	320		112	65-135			
Trichloroethene	240	27	"	272		88.6	65-135			
Toluene	170	19	"	191		88.3	65-135			
1,1,2-Trichloroethane	290	28	"	276		106	65-135			
Tetrachloroethene	370	34	"	345		107	65-135			
1,1,1,2-Tetrachloroethane	460	35	"	349		132	65-135			
Ethylbenzene	160	22	"	220		74.4	65-135			
m,p-Xylene	300	44	"	440		68.9	65-135			
o-Xylene	170	22	"	220		78.9	65-135			
1,1,2,2-Tetrachloroethane	290	35	"	349		82.0	65-135			
Surrogate: 1,2-Dichloroethane-d4	*867*		*"*	*886*		*97.9*	*67-141*			
Surrogate: Toluene-d8	*893*		*"*	*864*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1560*		*"*	*1530*		*102*	*56-127*			
Batch ED42803 - TO-15										
Blank (ED42803-BLK1)				Prepared & Analyzed: 28-Apr-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42803 - TO-15										
Blank (ED42803-BLK1)				Prepared & Analyzed: 28-Apr-14						
1,1,1-Trichloroethane	ND	28	ug/m3							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*874*		*"*	*886*		*98.7*	*67-141*			
Surrogate: Toluene-d8	*891*		*"*	*864*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1440*		*"*	*1530*		*94.3*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42803 - TO-15										
LCS (ED42803-BS1)				Prepared & Analyzed: 28-Apr-14						
Dichlorodifluoromethane (F12)	310	25	ug/m3	250		126	65-135			
Vinyl chloride	160	13	"	130		123	65-135			
Chloroethane	120	27	"	134		93.0	65-135			
Trichlorofluoromethane (F11)	380	28	"	283		133	65-135			
1,1-Dichloroethene	220	20	"	202		107	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	460	39	"	387		118	65-135			
Methylene chloride (Dichloromethane)	180	18	"	177		99.7	65-135			
trans-1,2-Dichloroethene	210	40	"	202		103	65-135			
1,1-Dichloroethane	230	41	"	206		111	65-135			
cis-1,2-Dichloroethene	250	40	"	202		125	65-135			
Chloroform	290	25	"	247		117	65-135			
1,1,1-Trichloroethane	330	28	"	276		121	65-135			
1,2-Dichloroethane (EDC)	270	21	"	206		130	65-135			
Benzene	160	16	"	162		99.2	65-135			
Carbon tetrachloride	450	13	"	320		140	65-135			QL-1H
Trichloroethene	280	27	"	272		101	65-135			
Toluene	190	19	"	191		98.7	65-135			
1,1,2-Trichloroethane	320	28	"	276		116	65-135			
Tetrachloroethene	420	34	"	345		121	65-135			
1,1,1,2-Tetrachloroethane	450	35	"	349		128	65-135			
Ethylbenzene	180	22	"	220		82.1	65-135			
m,p-Xylene	360	44	"	440		81.9	65-135			
o-Xylene	160	22	"	220		71.7	65-135			
1,1,2,2-Tetrachloroethane	330	35	"	349		95.3	65-135			
Surrogate: 1,2-Dichloroethane-d4	*1020*		*"*	*886*		*115*	*67-141*			
Surrogate: Toluene-d8	*957*		*"*	*864*		*111*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1230*		*"*	*1530*		*80.4*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42902 - TO-15										
Blank (ED42902-BLK1)				Prepared & Analyzed: 29-Apr-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42902 - TO-15										
Blank (ED42902-BLK1)				Prepared & Analyzed: 29-Apr-14						
1,4-Dichlorobenzene	ND	30	ug/m3							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*875*		*"*	*886*		*98.7*	*67-141*			
Surrogate: Toluene-d8	*757*		*"*	*864*		*87.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1060*		*"*	*1530*		*69.2*	*56-127*			
LCS (ED42902-BS1)				Prepared & Analyzed: 29-Apr-14						
Dichlorodifluoromethane (F12)	220	25	ug/m3	250		90.0	65-135			
Vinyl chloride	130	13	"	130		99.0	65-135			
Chloroethane	110	27	"	134		85.7	65-135			
Trichlorofluoromethane (F11)	270	28	"	283		94.7	65-135			
1,1-Dichloroethene	180	20	"	202		91.0	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	320	39	"	387		82.8	65-135			
Methylene chloride (Dichloromethane)	160	18	"	177		89.9	65-135			
trans-1,2-Dichloroethene	170	40	"	202		85.5	65-135			
1,1-Dichloroethane	180	41	"	206		85.8	65-135			
cis-1,2-Dichloroethene	190	40	"	202		95.2	65-135			
Chloroform	210	25	"	247		83.9	65-135			
1,1,1-Trichloroethane	240	28	"	276		87.8	65-135			
1,2-Dichloroethane (EDC)	170	21	"	206		84.9	65-135			
Benzene	130	16	"	162		81.7	65-135			
Carbon tetrachloride	350	13	"	320		109	65-135			
Trichloroethene	230	27	"	272		86.2	65-135			
Toluene	160	19	"	191		83.5	65-135			
1,1,2-Trichloroethane	250	28	"	276		90.1	65-135			
Tetrachloroethene	350	34	"	345		102	65-135			
1,1,1,2-Tetrachloroethane	420	35	"	349		119	65-135			
Ethylbenzene	180	22	"	220		82.7	65-135			
m,p-Xylene	420	44	"	440		95.8	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED42902 - TO-15										
LCS (ED42902-BS1)				Prepared & Analyzed: 29-Apr-14						
o-Xylene	180	22	ug/m3	220		80.6	65-135			
1,1,2,2-Tetrachloroethane	340	35	"	349		97.8	65-135			
Surrogate: 1,2-Dichloroethane-d4	*882*		*"*	*886*		*99.6*	*67-141*			
Surrogate: Toluene-d8	*855*		*"*	*864*		*98.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1660*		*"*	*1530*		*108*	*56-127*			
Batch ED43003 - TO-15										
Blank (ED43003-BLK1)				Prepared & Analyzed: 30-Apr-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED43003 - TO-15										
Blank (ED43003-BLK1)				Prepared & Analyzed: 30-Apr-14						
1,1,1,2-Tetrachloroethane	ND	35	ug/m3							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*936*		*"*	*886*		*106*	*67-141*			
Surrogate: Toluene-d8	*699*		*"*	*864*		*80.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1100*		*"*	*1530*		*71.8*	*56-127*			
LCS (ED43003-BS1)				Prepared & Analyzed: 30-Apr-14						
Dichlorodifluoromethane (F12)	320	25	ug/m3	250		129	65-135			
Vinyl chloride	140	13	"	130		107	65-135			
Chloroethane	120	27	"	134		86.8	65-135			
Trichlorofluoromethane (F11)	330	28	"	283		118	65-135			
1,1-Dichloroethene	230	20	"	202		114	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	450	39	"	387		117	65-135			
Methylene chloride (Dichloromethane)	170	18	"	177		96.0	65-135			
trans-1,2-Dichloroethene	220	40	"	202		110	65-135			
1,1-Dichloroethane	220	41	"	206		108	65-135			
cis-1,2-Dichloroethene	330	40	"	202		164	65-135			QL-1H
Chloroform	290	25	"	247		117	65-135			
1,1,1-Trichloroethane	340	28	"	276		125	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED43003 - TO-15										
LCS (ED43003-BS1)				Prepared & Analyzed: 30-Apr-14						
1,2-Dichloroethane (EDC)	230	21	ug/m3	206		110	65-135			
Benzene	170	16	"	162		108	65-135			
Carbon tetrachloride	420	13	"	320		131	65-135			
Trichloroethene	290	27	"	272		108	65-135			
Toluene	200	19	"	191		103	65-135			
1,1,2-Trichloroethane	310	28	"	276		111	65-135			
Tetrachloroethene	400	34	"	345		117	65-135			
1,1,1,2-Tetrachloroethane	560	35	"	349		159	65-135			
Ethylbenzene	260	22	"	220		120	65-135			
m,p-Xylene	490	44	"	440		111	65-135			
o-Xylene	240	22	"	220		109	65-135			
1,1,2,2-Tetrachloroethane	370	35	"	349		107	65-135			
Surrogate: 1,2-Dichloroethane-d4	*913*		*"*	*886*		*103*	*67-141*			
Surrogate: Toluene-d8	*836*		*"*	*864*		*96.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1370*		*"*	*1530*		*89.5*	*56-127*			
Batch EE40101 - TO-15										
Blank (EE40101-BLK1)				Prepared & Analyzed: 01-May-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40101 - TO-15										
Blank (EE40101-BLK1)				Prepared & Analyzed: 01-May-14						
1,1,1-Trichloroethane	ND	28	ug/m3							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							
1,4-Dichlorobenzene	ND	30	"							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*896*		*"*	*886*		*101*	*67-141*			
Surrogate: Toluene-d8	*742*		*"*	*864*		*85.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1170*		*"*	*1530*		*76.6*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40101 - TO-15										
LCS (EE40101-BS1)				Prepared & Analyzed: 01-May-14						
Dichlorodifluoromethane (F12)	270	25	ug/m3	250		109	65-135			
Vinyl chloride	140	13	"	130		108	65-135			
Chloroethane	140	27	"	134		103	65-135			
Trichlorofluoromethane (F11)	340	28	"	283		119	65-135			
1,1-Dichloroethene	210	20	"	202		102	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	410	39	"	387		107	65-135			
Methylene chloride (Dichloromethane)	160	18	"	177		92.0	65-135			
trans-1,2-Dichloroethene	210	40	"	202		104	65-135			
1,1-Dichloroethane	230	41	"	206		112	65-135			
cis-1,2-Dichloroethene	240	40	"	202		117	65-135			
Chloroform	240	25	"	247		97.2	65-135			
1,1,1-Trichloroethane	320	28	"	276		115	65-135			
1,2-Dichloroethane (EDC)	230	21	"	206		109	65-135			
Benzene	150	16	"	162		93.6	65-135			
Carbon tetrachloride	430	13	"	320		133	65-135			
Trichloroethene	330	27	"	272		120	65-135			
Toluene	210	19	"	191		108	65-135			
1,1,2-Trichloroethane	300	28	"	276		109	65-135			
Tetrachloroethene	410	34	"	345		118	65-135			
1,1,1,2-Tetrachloroethane	510	35	"	349		145	65-135			QL-1H
Ethylbenzene	220	22	"	220		98.7	65-135			
m,p-Xylene	470	44	"	440		106	65-135			
o-Xylene	220	22	"	220		98.2	65-135			
1,1,2,2-Tetrachloroethane	380	35	"	349		108	65-135			
Surrogate: 1,2-Dichloroethane-d4	*850*		*"*	*886*		*96.0*	*67-141*			
Surrogate: Toluene-d8	*861*		*"*	*864*		*99.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1380*		*"*	*1530*		*90.4*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40201 - TO-15										
Blank (EE40201-BLK1)				Prepared & Analyzed: 02-May-14						
1,1-Difluoroethane (LCC)	ND	27	ug/m3							
Dichlorodifluoromethane (F12)	ND	25	"							
Chloromethane	ND	21	"							
Vinyl chloride	ND	13	"							
Bromomethane	ND	39	"							
Chloroethane	ND	27	"							
Trichlorofluoromethane (F11)	ND	28	"							
1,1-Dichloroethene	ND	20	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	39	"							
Methylene chloride (Dichloromethane)	ND	18	"							
trans-1,2-Dichloroethene	ND	40	"							
1,1-Dichloroethane	ND	41	"							
cis-1,2-Dichloroethene	ND	40	"							
Chloroform	ND	25	"							
1,1,1-Trichloroethane	ND	28	"							
1,2-Dichloroethane (EDC)	ND	21	"							
Benzene	ND	16	"							
Carbon tetrachloride	ND	13	"							
Trichloroethene	ND	27	"							
1,4-Dioxane	ND	36	"							
Bromodichloromethane	ND	34	"							
Toluene	ND	19	"							
1,1,2-Trichloroethane	ND	28	"							
Tetrachloroethene	ND	34	"							
1,1,1,2-Tetrachloroethane	ND	35	"							
Ethylbenzene	ND	22	"							
m,p-Xylene	ND	44	"							
o-Xylene	ND	22	"							
1,1,2,2-Tetrachloroethane	ND	35	"							
Isopropylbenzene (Cumene)	ND	25	"							
n-Propylbenzene	ND	25	"							
1,3,5-Trimethylbenzene	ND	25	"							
tert-Butylbenzene	ND	28	"							
1,2,4-Trimethylbenzene	ND	25	"							

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40201 - TO-15										
Blank (EE40201-BLK1)				Prepared & Analyzed: 02-May-14						
1,4-Dichlorobenzene	ND	30	ug/m3							
sec-Butylbenzene	ND	28	"							
p-Isopropyltoluene	ND	28	"							
n-Butylbenzene	ND	28	"							
Naphthalene	ND	27	"							
1,2,4-Trichlorobenzene	ND	38	"							
Surrogate: 1,2-Dichloroethane-d4	*855*		*"*	*886*		*96.5*	*67-141*			
Surrogate: Toluene-d8	*758*		*"*	*864*		*87.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1130*		*"*	*1530*		*73.5*	*56-127*			
LCS (EE40201-BS1)				Prepared & Analyzed: 02-May-14						
Dichlorodifluoromethane (F12)	310	25	ug/m3	250		123	65-135			
Vinyl chloride	150	13	"	130		118	65-135			
Chloroethane	110	27	"	134		82.4	65-135			
Trichlorofluoromethane (F11)	350	28	"	283		125	65-135			
1,1-Dichloroethene	210	20	"	202		102	65-135			
1,1,2-Trichlorotrifluoroethane (F113)	390	39	"	387		101	65-135			
Methylene chloride (Dichloromethane)	160	18	"	177		93.2	65-135			
trans-1,2-Dichloroethene	220	40	"	202		107	65-135			
1,1-Dichloroethane	230	41	"	206		111	65-135			
cis-1,2-Dichloroethene	250	40	"	202		124	65-135			
Chloroform	290	25	"	247		117	65-135			
1,1,1-Trichloroethane	350	28	"	276		128	65-135			
1,2-Dichloroethane (EDC)	260	21	"	206		124	65-135			
Benzene	150	16	"	162		92.4	65-135			
Carbon tetrachloride	500	13	"	320		155	65-135			QL-1H
Trichloroethene	320	27	"	272		116	65-135			
Toluene	210	19	"	191		111	65-135			
1,1,2-Trichloroethane	340	28	"	276		121	65-135			
Tetrachloroethene	440	34	"	345		127	65-135			
1,1,1,2-Tetrachloroethane	520	35	"	349		149	65-135			QL-1H
Ethylbenzene	270	22	"	220		122	65-135			
m,p-Xylene	500	44	"	440		114	65-135			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Volatile Organic Compounds by H&P Method TO-15M SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40201 - TO-15										
LCS (EE40201-BS1)				Prepared & Analyzed: 02-May-14						
o-Xylene	230	22	ug/m3	220		106	65-135			
1,1,2,2-Tetrachloroethane	410	35	"	349		117	65-135			
Surrogate: 1,2-Dichloroethane-d4	*843*		*"*	*886*		*95.2*	*67-141*			
Surrogate: Toluene-d8	*899*		*"*	*864*		*104*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1420*		*"*	*1530*		*93.1*	*56-127*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Notes and Definitions

QL-1L	The LCS and/or LCSD recoveries fell below the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased low.
QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
C-Low	The percent recovery for this analyte fell below the method criteria in the continuing calibration verification (CCV). Results may be biased low.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Gilbane Company	Project: GIL042114-A1 Rev	
2934 Gold Pan Court, Ste 12	Project Number: 9804-07163.0064 South Gate	Reported:
Rancho Cordova, CA 95670	Project Manager: Mr. Don Gruber	16-Jun-14 13:35

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory (Certification # L11-175) in accordance with the DoD-ELAP program. H&P is approved by the State of Arizona under Certification Numbers AZM758 and AZ0779. H&P is approved as an Environmental Laboratory in conformance with the Environmental Laboratory Accreditation Program (CA) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste for the following methods:

Certificate# 2741, 2743, 2579, 2754 & 2740 approved for EPA 8260 and LUFT GC/MS
Certificate# 2742, 2745, & 2741 approved for LUFT
Certificate# 2745 & 2742 approved for EPA 418.1

H&P Mobile Geochemistry, Inc. is approved as an Environmental Laboratory in conformance with the National Environmental Accreditation Conference Standards for the category Environmental Analysis Air and Emissions for the following analytes and methods:

Hexachlorobutadiene by EPA TO-15 & TO-14A
1,2,4-Trichlorobenzene by EPA TO-15 & TO-14A
1,2-Dichlorobenzene by EPA TO-15 & TO-14A
Dichlorotetrafluoroethane by EPA TO-14A
1,4-Dichlorobenzene by EPA TO-15 & TO-14A
Benzene by EPA TO-15 & TO-14A
Chlorobenzene by EPA TO-15 & TO-14A
Ethyl benzene by EPA TO-15 & TO-14A
Styrene by EPA TO-15 & TO-14A
Toluene by EPA TO-15 & TO-14A
Total Xylenes by EPA TO-15
1,1,1-Trichloroethane by EPA TO-15 & TO-14A
1,1,2,2-Tetrachloroethane by EPA TO-15 & TO-14A
1,1,2-Trichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethane by EPA TO-15 & TO-14A
1,1-Dichloroethene by EPA TO-15 & TO-14A
1,2-Dichloroethane by EPA TO-15 & TO-14A
1,2-Dichloropropane by EPA TO-15 & TO-14A
Benzyl Chloride by EPA TO-15 & TO-14A
Bromoform by EPA TO-15
Bromomethane by EPA TO-15 & TO-14A
Carbon tetrachloride by EPA TO-15 & TO-14A
Chloroethane by EPA TO-15 & TO-14A
Chloroform by EPA TO-15 & TO-14A
Chloromethane by EPA TO-15 & TO-14A
cis-1,2-Dichloroethene by EPA TO-15 & TO-14A
cis-1,3-Dichloropropene by EPA TO-15 & TO-14A
Methylene chloride by EPA TO -15 & TO-14A
Tetrachloroethane by EPA TO-15 & TO-14A
trans-1,2-Dichloroethene by EPA TO-15
trans-1,3-Dichloropropene by EPA TO-15 & TO-14A
Trichloroethene by EPA TO-15 & TO-14A
Vinyl chloride by EPA TO -15
2-Butanone by EPA TO-15
4-Methyl-2-Pentanone by EPA TO-15
Hexane by EPA TO-15
Methyl tert-butyl ether by EPA TO-15
Vinyl acetate by EPA TO-15

1,3-Dichlorobenzene by EPA TO-15 & TO-14A
Trichlorofluoromethane by EPA TO-14A
Naphthalene by H&P SOP TO-15/GC-MS
1,2-Dibromoethane (EDB) by EPA TO-15 & TO-14A
1,2-Dibromo-3-chloropropane by EPA TO-15
1,3-Butadiene by EPA TO-15
1,1,2-Trichlorotrifluoroethane by EPA TO-14A
Carbon disulfide by EPA TO-15
1,4-Dioxane by EPA TO-15

This certification applies to samples analyzed in summa canisters.

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4/21/14

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804-07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave. South Gate, CA
Lab Client Address: 2934 Gold Pan Court Ste 12	Report E-Mail(s): dgruber@gilbaneco.com egilleva@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA 95670	
Phone Number: 916-853-1839	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/21/14	Control #: 140290.00/.01
H&P Project # GL042114-A1	
Lab Work Order # E404066/ED42104	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

- ☒ Standard Report ☐ Level III ☐ Level IV
- ☒ Excel EDD ☐ Other EDD: _____
- ☐ CA Geotracker Global ID: _____

Turnaround Time

- ☐ 5-7 day Stnd ☐ 24-Hr Rush
- ☐ 3-day Rush ☒ Mobile Lab
- ☐ 48-Hr Rush ☐ Other: ____

Sampler Information

Sampler(s): E. Corson
Signature: [signature]
Date: 4/21/14

Additional Instructions to Laboratory:

☒ Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAIA-SB/ SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☒ 8260SV ☐ TO-15 client	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☐ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SG23-5 1PV	P433cc	04/21/14	0918	SV	Glass Syringe	99			X						X					
SG23-5 3PV	P1799cc	"	1001	SV	"	86			X						X					
SG23-5 10PV	P4330cc	"	1043	SV	"	42			X						X					
SG23-15 1PV	P481cc	"	1115	SV	"	121			X						X					
SG23-15 3PV	P1444cc	"	1139	SV	"	85			X						X					
SG23-15 10PV	P4814cc	"	1248	SV	"	85			X						X					
SG23-25 1PV	P530cc	"	1316	SV	"	99			X						X					
SG23-35 1PV	P578cc	"	1347	SV	"	121			X						X					
SG23-25 3PV	P1589cc	"	1414	SV	"	86			X						X					
SG23-35 3PV	P1734cc	"	1447	SV	"	121			X						X					

Approved/Relinquished by: [signature]	Company: Gilbane	Date: 4-21-14	Time: 1423	Received by: [signature]	Company: H&P	Date: 4/21/14	Time: 16:25
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4/21/14

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name /#: 9806-07163.0064 Swth. Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave, South Gate, CA
Lab Client Address: 2934 Gold Pan Court Ste 12	Report E-Mail(s): dgruber@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA 95670	egillera@gilbaneco.com
Phone Number: 916 853 1839	

Reporting Requirements

- [X] Standard Report [ ] Level III [ ] Level IV
- [X] Excel EDD [ ] Other EDD: _____
- [ ] CA Geotracker Global ID: _____

Turnaround Time

- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [X] Mobile Lab
- [ ] 48-Hr Rush [ ] Other: _____

Sampler Information

Sampler(s): E. Carson
Signature: [signature]
Date: 4-21-2014

Sample Receipt (Lab Use Only)

Date Rec'd: 4/21/14 Control #: 140290.00/.01
H&P Project #: GIL042114-A1
Lab Work Order #: E404066/ED42104
Sample Intact: [X] Yes [ ] No [ ] See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Additional Instructions to Laboratory:

- [X] Check if Project Analyte List is Attached
- ** Preferred VOC units (please choose one):*
- [ ] µg/L [X] µg/m³ [ ] ppbv [ ] ppmv

SAIA-SB/ SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [X] 8260SV [X] TO-15 C1-C4	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [X] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SG23-25, 10PV	P5298cc	04/21/14	1523	SV	Glass syringe	42			X						X					
SG23-35 10PV	P5782cc	↓	1546	SV	↓	85			X						X					

	Company	Date	Time		Company	Date	Time
Approved/Relinquished by: [signature]	Gilbane	4-21-14	1423	Received by: [signature]	H&P	4/21/14	16:25
Approved/Relinquished by:				Received by:			
Approved/Relinquished by:				Received by:			

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4/22/14
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804-07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave. South Gate, CA
Lab Client Address: 2934 Gold Pan Ct Ste 12	Report E-Mail(s): dgruber@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA 95670	egillera@gilbaneco.com
Phone Number: 916-853-1839	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/22/2014	Control #: 140290.00/.01
H&P Project # GIL042114-A1	
Lab Work Order # E404070/ED42206	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☒ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☐ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☒ Mobile Lab
☐ 48-Hr Rush ☐ Other:

Sampler Information

Sampler(s): E. Corson
Signature: [signature]
Date: 4/22/14

Additional Instructions to Laboratory:

☐ Check if Project Analyte List is Attached

Purge volumes corrected per sampling log YSE

*** Preferred VOC units (please choose one):**

☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SA/A&B/ SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☒ TO-15 Arom	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SG39-5	P ~~1299~~ 816 cc	042214	1014	SV	Glass Syringe	85			X						X					
SG39-15	P ~~1444~~ 913 cc		1050	SV		121			X						X					
SG39-25	P530cc		1118	SV		86			X						X					
SG39-35	P578cc		1140	SV		99			X						X					
SG38-5	P ~~1299~~ 816 cc		1300	SV		121			X						X					
SG38-15	P ~~1444~~ 913 cc		1322	SV		99			X						X					
SG38-15 Rep	P ~~1494~~ 963 cc		1346	SV		42			X						X					
SG38-25	P530cc		1408	SV		85			X						X					
SG38-35	P578cc		1430	SV		86			X						X					
SG37-5	P ~~1299~~ 816 cc		1533	SV		42			X						X					

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
[signature]	Gilbane	4-22-14	1630	[signature]	H&P	4-22-14	1630

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4/22/14

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804-07163.0064
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave, South Gate, CA
Lab Client Address: 2934 Gold Pan Ct, Ste 12	Report E-Mail(s): dgruber@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA, 95670	esillera@gilbaneco.com
Phone Number:	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/22/14	Control #: 140290.00/.01
H&P Project #: GIL042114-A1	
Lab Work Order #: E404070/ED42206	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☒ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☐ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☒ Mobile Lab
☐ 48-Hr Rush ☐ Other: _____

Sampler Information

Sampler(s): E. Corson
Signature: E. Corson
Date: 4/22/14

Additional Instructions to Laboratory:

Purge volumes corrected per sampling log

☐ Check if Project Analyte List is Attached

*** Preferred VOC units (please choose one):**

☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAIA-SB/ SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☒ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SG37-15	P 1444 cc 913cc	042214	1555	SV	Glass Syringe	99			X						X					

Approved/Relinquished by:	Company: Gilbane	Date: 4-22-14	Time: 1630	Received by:	Company: H&P	Date: 4/22/14	Time: 1630
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4-23-14
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804-07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave, South Gate, CA
Lab Client Address: 7934 Gold Pan Ct. Ste 12	Report E-Mail(s): dgruber@gilbaneco.com egillera@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA 95670	
Phone Number: 916-853-1839	

Reporting Requirements
- [ ] Standard Report [ ] Level III [ ] Level IV
- [x] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time
- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [x] Mobile Lab
- [ ] 48-Hr Rush [ ] Other:

Sampler Information
Sampler(s): Andrew Vaguer
Signature:
Date: 4/23/14

Sample Receipt (Lab Use Only)

Date Rec'd: 4-23-2014	Control #: 140790.00/.01
H&P Project #: GIL042114-A2	
Lab Work Order #: E404074/EDH2304	
Sample Intact: [x] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	Lab PM Initials:

Additional Instructions to Laboratory: Purge volumes corrected per sampling logs ge

- [x] Check if Project Analyte List is Attached
- *Preferred VOC units (please choose one):* [ ] µg/L [x] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☒ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☐ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SAIA-SB/ SG36-5	P1249cc	04/23/14	0842	SV	Glass Syringe	86			X						X					
SG36-15	P1444cc		0908	SV		99			X						X					
SG36-25	P530cc		0929	SV		85			X						X					
SG36-35	P578cc		1003	SV		42			X						X					
SG24-5	P1249cc		1107	SV		99			X						X					
SG24-15	P1444cc		1125	SV		86			X						X					
SG24-25	P530cc		1241	SV		86			X						X					
SG24-35	P578cc		1305	SV		42			X						X					
SG26-5	P1249cc		1425	SV		99			X						X					
SG26-5 Rep	P1349cc		1499	SV		86			X						X					

Approved/Relinquished by:	Company: Gilbane	Date: 4-23-14	Time: 1632	Received by:	Company: H&P	Date: 4/23/14	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.

2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4-23-14
Page 2 of 2

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804-07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave South Gate, CA
Lab Client Address: 2734 Gold Pan Ct, Ste 12	Report E-Mail(s): dgruber@gilbaneco.com egillera@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA 95670	
Phone Number: 916-853-1839	

Sample Receipt (Lab Use Only)

Date Rec'd: 4-23-2014	Control #: 140290.00/.01
H&P Project #: GIL042114-AZ	
Lab Work Order #: E404074/E1242304	
Sample Intact: [X] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

- [X] Standard Report [ ] Level III [ ] Level IV
- [X] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time

- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [X] Mobile Lab
- [ ] 48-Hr Rush [ ] Other:

Sampler Information

Sampler(s): Andrew Wagner
Signature: Andrew Wagner
Date: 4/23/14

Additional Instructions to Laboratory: purge volumes corrected per sampling log sht

- [ ] Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

- [ ] µg/L [X] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [ ] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [ ] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SG26-15	P1413 1444cc	042314	1543	SV	Glass Syringe	86														

Approved/Relinquished by:	Company: Gilbane	Date: 4-23-14	Time: 1632	Received by:	Company: H&P	Date: 4/23/14	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4/24/14
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804-07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave South Gate, CA
Lab Client Address: 2934 Gold Pan Ct, Ste 12	Report E-Mail(s): dgruber@gilbaneco.com egillera@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA, 95670	
Phone Number: 918-853-1839	

Sample Receipt (Lab Use Only)

Date Rec'd: 4/24/14	Control #: 140290.00/.01
H&P Project #: GIL042114-A1	
Lab Work Order #: E404080/ED42401	
Sample Intact: [X] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

- [ ] Standard Report [ ] Level III [ ] Level IV
- [X] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time

- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [X] Mobile Lab
- [ ] 48-Hr Rush [ ] Other:

Sampler Information

Sampler(s): Andrew Wagner
Signature:
Date: 4/24/14

Additional Instructions to Laboratory:

Purge volumes corrected per sampling log use

- [X] Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

- [ ] µg/L [X] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [X] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [X] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SG26-25	P530cc	042414	0825	SV	Glass syringe	99			X						X					
SG29-5	P1744cc 816		0945	SV		86			X						X					
SG29-15	P1444cc 913		1005	SV		85			X						X					
SG29-25	P530cc		1030	SV		99			X						X					
SG29-35	P578cc		1051	SV		121			X						X					
SG28-5	P1799cc 816		1117	SV		86			X						X					
SG28-15	P1444cc 816 913		1144	SV		42			X						X					
SG28-15 Rep	P1494cc 816		1206	SV		86			X						X					
SG28-35	P578cc		1240	SV		99			X						X					
SG31-5	P1794cc 816		1336	SV		42			X						X					

	Company	Date	Time	Received by	Company	Date	Time
Approved/Relinquished by:	Gilbane	4-24-14	1622	Received by:	H&P	4/24/14	1625
Approved/Relinquished by:				Received by:			
Approved/Relinquished by:				Received by:			

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4/24/14
Page 2 of 2

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804-07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave South Gate, CA
Lab Client Address: 2934 Gold Pan Ct. Ste 12	Report E-Mail(s): dgruber@gilbaneco.com egillera@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA 95670	
Phone Number: 918-853-1839	

Sample Receipt (Lab Use Only)

Date Rec'd:	Control #: 140290.00/.01
H&P Project #: GIL042114-A1	
Lab Work Order #	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☒ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☐ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☒ Mobile Lab
☐ 48-Hr Rush ☐ Other:

Sampler Information

Sampler(s): Andrew Wagner
Signature: [signature]
Date: 4/24/14

Additional Instructions to Laboratory: Purge volumes corrected per sampling log

☐ Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAIA-SB1 SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☒ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SG31-15	P ~~1444~~ 913 cc	042414	1406	SV	Glass syringe	86			X						X					
SG31-25	P530cc	↓	1430	SV	↓	121			X						X					
SG31-35	P578cc	↓	1454	SV	↓	99			X						X					
SG30-5	P ~~1299~~ 816cc	↓	1527	SV	↓	85			X						X					
SG30-15	P ~~1444~~ 913cc	↓	1555	SV	↓	86			X						X					

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
[signature]	Gilbane	4-24-14	1622	[signature]	H&P	4/24/14	16:25

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4/25/14
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company
Lab Client Project Manager: Don Gruber
Lab Client Address: 2934 Gold Pan Ct, Suite 12
Lab Client City, State, Zip: Rancho Cordova, CA 95670
Phone Number: 916 853-1839

Project Name / #: 9804-07163.0064 South Gate
Project Location: 5211 Southern Ave South Gate, CA
Report E-Mail(s): dgruber@gilbaneco.com
egillera@gilbaneco.com

Sample Receipt (Lab Use Only)

Date Rec'd: 4/25/14 Control #: 140290.00/.01
H&P Project #: GIL042114-A1
Lab Work Order #: E404085/ED42501
Sample Intact: [X] Yes [ ] No [ ] See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Reporting Requirements

[X] Standard Report [ ] Level III [ ] Level IV
[X] Excel EDD [ ] Other EDD:
[ ] CA Geotracker Global ID:

Turnaround Time

[ ] 5-7 day Stnd [ ] 24-Hr Rush
[ ] 3-day Rush [X] Mobile Lab
[ ] 48-Hr Rush [ ] Other:

Sampler Information

Sampler(s): Kurt Schindler
Signature:
Date: 4/25/2014

Additional Instructions to Laboratory:

[ ] Check if Project Analyte List is Attached
** Preferred VOC units (please choose one):*
[ ] µg/L [X] µg/m³ [ ] ppbv [ ] ppmv

SAIA-SB/ SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [X] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [ ] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SG30-25	P530cc	04/25/14	0904	SV	Glass syringe	85			X						X					
SG30-35	P578cc		0927	SV		86			X						X					
SG-32-5	P816cc		0946	SV		121			X						X					
SG32-15	P913cc		1013	SV		42			X						X					
SG32-25	P530cc		1035	SV		99			X						X					
SG32-35	P578cc		1055	SV		121			X						X					
SG33-5	P816cc		1122	SV		85			X						X					
SG33-5 Rep	P866cc		1144	SV		42			X						X					
SG33-15	P913cc		1212	SV		99			X						X					
SG33-25	P530cc		1248	SV		121			X						X					

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
	Gilbane	4-25-14	1522		H&P	4/25/14	15:24
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4/25/14

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804-07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave, South Gate, CA
Lab Client Address: 2934 Gold Pan Ct. Ste 12	Report E-Mail(s): dgruber@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA 95670	egillera@gilbaneco.com
Phone Number: 916 853 1839	

Reporting Requirements

- [ ] Standard Report [ ] Level III [ ] Level IV
- [x] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time

- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [x] Mobile Lab
- [ ] 48-Hr Rush [ ] Other:

Sampler Information

Sampler(s): Kurt Schindler
Signature:
Date: 4/25/2014

Sample Receipt (Lab Use Only)

Date Rec'd: 4/25/14	Control #: 140290.00/.01
H&P Project # GIL042114-A1	
Lab Work Order #: E404085	

Sample Intact: [x] Yes [ ] No [ ] See Notes Below

Receipt Gauge ID: Temp:

Outside Lab:

Receipt Notes/Tracking #:

Lab PM Initials:

Additional Instructions to Laboratory:

- [ ] Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

- [ ] µg/L [x] µg/m³ [ ] ppbv [ ] ppmv

SAIA-SB/ SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [x] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [x] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SG33-35	P578cc	04/25/14	1319	SV	Glass Syringe	86			X						X					
SG34-5	P816cc		1349	SV		42			X						X					
SG34-15	P913cc		1413	SV		85			X						X					
SG34-25	P530cc		1434	SV		99			X						X					
SG34-35	P578cc	↓	1455	SV	↓	86			X						X					

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
	Gilbane	4-25-14	1522		H&P	4/25/14	1524

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4-28-14
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name/#: 9807-07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave, South Gate, CA
Lab Client Address: 2934 Gold Pan Ct Ste 12	Report E-Mail(s): dgruber@gilbaneco.com cgillera@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA. 95670	
Phone Number: 916-853-1839	

Reporting Requirements

- [X] Standard Report [ ] Level III [ ] Level IV
- [X] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time

- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [X] Mobile Lab
- [ ] 48-Hr Rush [ ] Other:

Sampler Information

Sampler(s): Andrew Wagner
Signature:
Date: 4/25/14

Sample Receipt (Lab Use Only)

Date Rec'd: 4-28-2014	Control #: 140290.00/.01
H&P Project #: GIL042114-A1	
Lab Work Order #: E404090/ED42803	
Sample Intact: [X] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Additional Instructions to Laboratory:

- [ ] Check if Project Analyte List is Attached
- ** Preferred VOC units (please choose one):*
- [ ] µg/L [X] µg/m³ [ ] ppbv [ ] ppmv

SAIA-SB/ SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [X] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [X] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SG35-5	P816cc	04/28/14	0843	SV	Glass syringe	86			X						X	✓	✓			
SG35-15	P913cc		0917	SV		99			X						X					
SG35-25	P530cc		0942	SV		85			X						X					
SG35-35	P578cc		1007	SV		121			X						X					
SG25-5	P816cc		1040	SV		86			X						X					
SG25-15	P913cc		1104	SV		85			X						X					
SG25-15 Rep	P963cc		1129	SV		99			X						X					
SG25-35	P578cc		1204	SV		42			X						X					
SG25-25	P530cc		1306	SV		85			X						X					
SG27-5	P816cc	↓	1342	SV	↓	42			X						X					

	Company:	Date:	Time:		Company:	Date:	Time:
Approved/Relinquished by:	Gilbane	4-28-14	1624	Received by:	H&P	4/28/14	1627
Approved/Relinquished by:				Received by:			
Approved/Relinquished by:				Received by:			

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

H&P Mobile Geochemistry, Inc.

2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4-28-2014
Page 2 of 2

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9807-07163.0004 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave South Gate, CA
Lab Client Address: 2934 Gold Pan Ct Ste 12	Report E-Mail(s): dgruber@gilbaneco.com agillera@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA. 95670	
Phone Number: 916-853-1839	

Sample Receipt (Lab Use Only)

Date Rec'd: 4-28-2014	Control #: 140290.001.01
H&P Project # GIL042114-A1	
Lab Work Order # E404090/ED42803	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☒ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☐ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☒ Mobile Lab
☐ 48-Hr Rush ☐ Other: _____

Sampler Information

Sampler(s): Andrew Wagner
Signature: Andrew Wagner
Date: 4/28/14

Additional Instructions to Laboratory:

☐ Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☒ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SG27-15	P913cc	04/28/14	1450	SV	Glass Syringe	86			X						X					
SG27-25	P530cc		1540	SV		99			X						X					

Approved/Relinquished by:	Company: Gilbane	Date: 4-28-14	Time: 1624	Received by:	Company: H&P	Date: 4/28/14	Time: 1677
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4-29-14
Page 1 of ____

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9504-07163, 0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave, South Gate, CA
Lab Client Address: 2934 Gold Pan Ct, Ste 12	Report E-Mail(s): dgruber@gilbaneco.com egillera@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA, 95670	
Phone Number: 916-953-1939	

Reporting Requirements
- [X] Standard Report [ ] Level III [ ] Level IV
- [X] Excel EDD [ ] Other EDD: _____
- [ ] CA Geotracker Global ID: _____

Turnaround Time
- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [X] Mobile Lab
- [ ] 48-Hr Rush [ ] Other: ____

Sampler Information
Sampler(s): Andrew Wagner
Signature:
Date: 4/29/14

Sample Receipt (Lab Use Only)

Date Rec'd: 4-29-2014	Control #: 140290.00/.01
H&P Project # GIL047114-A1	
Lab Work Order #: E404095/ED42902	
Sample Intact: [X] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
	Lab PM Initials:

Additional Instructions to Laboratory:
- [ ] Check if Project Analyte List is Attached
- ** Preferred VOC units (please choose one):*
- [ ] µg/L [X] µg/m³ [ ] ppbv [ ] ppmv

SAIA-SB/ SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [X] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [X] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SG27-35	P578cc	04/29/14	0805	SV	Glass Syringe	99			X						X					
SG19-5	P816cc	"	0945	SV	"	42			X						X					
SG19-25	P530cc	"	1040	SV	"	121			X						X					
SG-19-15	P913cc	"	1237	SV	"	42			X						X					
SG19-35	P578cc	"	1351	SV	"	99			X						X					
SG22-5	P816cc	"	1443	SV	"	42			X						X					
SG22-5 Rep	P866cc	"	1502	SV	"	85			X						X					
SG22-15	P913cc	"	1532	SV	"	86			X						X					
SG22-25	P530cc	"	1558	SV	"	121			X						X					

	Company	Date	Time
Approved/Relinquished by:	Gilbane	4-29-14	1621
Approved/Relinquished by:			
Approved/Relinquished by:			

	Company	Date	Time
Received by:	H&P	4/29/14	1623
Received by:			
Received by:			

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

H&P Mobile Geochemistry, Inc.

2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 4-30-14
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804 - 07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave, South Gate, CA
Lab Client Address: 2934 Gold Pan Ct. Ste 12	Report E-Mail(s): dgruber@gilbaneco.com, egillera@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA. 95670	
Phone Number: 916 853 1839	

Reporting Requirements

- [X] Standard Report [ ] Level III [ ] Level IV
- [X] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time

- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [X] Mobile Lab
- [ ] 48-Hr Rush [ ] Other:

Sampler Information

Sampler(s): Andrew Wagner
Signature:
Date: 4/30/14

Sample Receipt (Lab Use Only)

Date Rec'd: 4-30-2014 Control #: 140290.00/.01
H&P Project #: GIL042114-A1
Lab Work Order #: E4044099/E1743003
Sample Intact: [X] Yes [ ] No [ ] See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Additional Instructions to Laboratory:

- [ ] Check if Project Analyte List is Attached
- ** Preferred VOC units (please choose one):*
- [ ] µg/L [X] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [X] 8260SV [X] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [X] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SG22-35	P578cc	043014	0805	SV	Glass Syringe	86			X						X					
SG22-35 Rep	P628cc		0828	SV		121			X						X					
SG21-5	P816cc		0850	SV		99			X						X					
SG21-15	P913cc		0914	SV		42			X						X					
SG21-25	P530cc		1013	SV		99			X						X					
SG21-35	P578cc		1104	SV		86			X						X					
SG20-5	P816cc		1154	SV		99			X						X					
SG20-15	P913cc		1319	SV		86			X						X					
SG20-25	P530cc	↓	1458	SV	↓	99			X						X					

	Company:	Date:	Time:		Company:	Date:	Time:
Approved/Relinquished by:	Gilbane	4-30-14	1627	Received by:	H&P	4/30/14	16:30
Approved/Relinquished by:				Received by:			
Approved/Relinquished by:				Received by:			

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 5/1/14
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company
Lab Client Project Manager: Don Gruber
Lab Client Address: 2934 Gold Pan Ct Ste 12
Lab Client City, State, Zip: Rancho Cordova, CA 95670
Phone Number: 916-853-1839

Project Name / #: 9804-07163.0064 South Gate
Project Location: 5211 Southern Ave, South Gate, CA
Report E-Mail(s): dgruber@gilbaneco.com
cgilleva@gilbaneco.com

Sample Receipt (Lab Use Only)

Date Rec'd: 5-1-2014
Control #: 140290.00/.01
H&P Project # G/1042114-A1
Lab Work Order # E405001 / EE40101
Sample Intact: [X] Yes [ ] No [ ] See Notes Below
Receipt Gauge ID:
Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Reporting Requirements

[X] Standard Report [ ] Level III [ ] Level IV
[X] Excel EDD [ ] Other EDD:
[ ] CA Geotracker Global ID:

Turnaround Time

[ ] 5-7 day Stnd [ ] 24-Hr Rush
[ ] 3-day Rush [X] Mobile Lab
[ ] 48-Hr Rush [ ] Other:

Sampler Information

Sampler(s): Andrew Wagner
Signature:
Date: 5/1/14

Additional Instructions to Laboratory:

[ ] Check if Project Analyte List is Attached
** Preferred VOC units (please choose one):*
[ ] µg/L [X] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [X] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [X] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SAIA-SB/																				
SG20-35	P578cc	05/01/14	0818	SV	Glass syringe	42			X						X					
SG40-5	P816cc		1043	SV		85			X						X					
SG40-15	P913cc		1104	SV		86			X						X					
SG40-25	P530cc		1125	SV		121			X						X					
SG40-35	P578cc		1152	SV		42			X						X					
SG40-35 Rep	P628cc		1223	SV		99			X						X					
SG41-5	P816cc		1327	SV		42			X						X					
SG41-15	P913cc		1355	SV		99			X						X					
SG41-25	P530cc		1417	SV		85			X						X					
SG41-35	P578cc	↓	1454	SV	↓	121			X						X					

	Company	Date	Time		Company	Date	Time
Approved/Relinquished by:	Gilbane	5/1/14	1616	Received by:	H&P	5/1/14	1616
Approved/Relinquished by:				Received by:			
Approved/Relinquished by:				Received by:			

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

H&P Mobile Geochemistry, Inc.

2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 5/1/2014

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 4804-07163.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave, South Gate, CA
Lab Client Address: 2434 Gold Pan Ct Ste 12	Report E-Mail(s): dgruber@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA. 95670	egillera@gilbaneco.com
Phone Number: 916 853 1839	

Reporting Requirements

- [x] Standard Report ☐ Level III ☐ Level IV
- [x] Excel EDD ☐ Other EDD:_____
- ☐ CA Geotracker Global ID:_____

Turnaround TIme

- ☐ 5-7 day Stnd ☐ 24-Hr Rush
- ☐ 3-day Rush [x] Mobile Lab
- ☐ 48-Hr Rush ☐ Other:____

Sampler Information

Sampler(s): Andrew Wagner
Signature:
Date: 5/1/14

Sample Receipt (Lab Use Only)

Date Rec'd: 5-1-2014	Control #: 140290.00/.01
H&P Project #: GIL042114-A1	
Lab Work Order #: E405001 / EE40101	

Sample Intact: [x] Yes ☐ No ☐ See Notes Below

Receipt Gauge ID: | Temp:

Outside Lab:

Receipt Notes/Tracking #:

Lab PM Initials:

Additional Instructions to Laboratory:

☐ Check if Project Analyte List is Attached

** Preferred VOC units (please choose one):*

☐ µg/L [x] µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV [x] TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound [x] DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
SG43-5	P816cc	05/01/14	1600	SV	Glass Syringe	42			X						X				

Approved/Relinquished by:	Company: Gilbane	Date: 5/1/14	Time: 1616	Received by:	Company: H&P	Date: 5/1/14	Time: 1625
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: 5/2/14
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Gilbane Company	Project Name / #: 9804-07103.0064 South Gate
Lab Client Project Manager: Don Gruber	Project Location: 5211 Southern Ave, South Gate, CA
Lab Client Address: 2934 Gold Pan Ct, Ste 12	Report E-Mail(s): dgruber@gilbaneco.com esillera@gilbaneco.com
Lab Client City, State, Zip: Rancho Cordova, CA 95670	
Phone Number: 916-853-1839	

Reporting Requirements
- [x] Standard Report [ ] Level III [ ] Level IV
- [x] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time
- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [x] Mobile Lab
- [ ] 48-Hr Rush [ ] Other:

Sampler Information
Sampler(s): Andrew Wagner
Signature:
Date: 5/2/14

Sample Receipt (Lab Use Only)

Date Rec'd: 5/2/2014	Control #: 140290.001.01
H&P Project # GJL042114-A1	
Lab Work Order # E405007/EE40201	
Sample Intact: [x] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Additional Instructions to Laboratory:
- [ ] Check if Project Analyte List is Attached
- ** Preferred VOC units (please choose one):*
- [ ] µg/L [x] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [x] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [x] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
SG43-15	P913cc	05/2/14	0809	SV	Glass Syringe	86			X						X					
SG43-25	P530cc		0832	SV		121			X						X					
SG43-35	P578cc		0853	SV		99			X						X					
SG43-35 Rep	P628cc		0917	SV		42			X						X					
SG42-5	P516cc		1003	SV		56			X						X					
SG42-15	P913cc		1026	SV		99			X						X					
SG42-25	P530cc		1048	SV		42			X						X					
SG42-35	P578cc	↓	1114	SV	↓	121			X						X					
~~SG42-35~~																				

	Company	Date	Time		Company	Date	Time
Approved/Relinquished by:	Gilbane	5-2-14	1145	Received by:	H&P	5/2/14	11:46
Approved/Relinquished by:				Received by:			
Approved/Relinquished by:				Received by:			

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 12/31/2013

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
Field Office in Signal Hill, CA (Los Angeles)
Ph: 800-834-9888 www.handpmg.com

H&P Method TO-15m (Modified EPA TO-15)
ITSI South Gate April 2014

Compound - Halogenated 2012 ASGI	*CAS #*	*Mobile RL Vapor (µg/m³)*	*Mobile RL Vapor (ppbv)*
Dichlorodifluoromethane (F12)	75-71-8	25	5
Vinyl chloride	75-01-4	13	5
Bromomethane	74-83-9	39	10
Chloroethane	75-00-3	27	10
Trichlorofluoromethane (F11)	75-69-4	28	5
1,1-Dichloroethene	75-35-4	20	5
Methylene chloride (Dichloromethane)	75-09-2	18	5
1,1,2-Trichlorotrifluoroethane (F113)	76-13-1	39	5
trans-1,2-Dichloroethene	156-60-5	40	10
1,1-Dichloroethane	75-34-3	41	10
cis-1,2-Dichloroethene	156-59-2	40	10
Chloroform	67-66-3	25	5
1,2-Dichloroethane (EDC)	107-06-2	21	5
1,1,1-Trichloroethane	71-55-6	28	5
Carbon tetrachloride	56-23-5	13	2
Bromodichloromethane	75-27-4	34	5
Trichloroethene	79-01-6	27	5
1,1,2-Trichloroethane	79-00-5	28	5
Tetrachloroethene	127-18-4	34	5
1,1,1,2-Tetrachloroethane	630-20-6	35	5
1,1,2,2-Tetrachloroethane	79-34-5	35	5
Compound - Aromatics 2012 ASGI			
Benzene	71-43-2	16	5
Toluene	108-88-3	19	5
Ethylbenzene	100-41-4	22	5
m,p-Xylene	179601-23-1	44	10
o-Xylene	95-47-6	22	5
Isopropylbenzene (Cumene)	98-82-8	25	5
n-Propylbenzene	103-65-1	25	5
1,3,5-Trimethylbenzene	108-67-8	25	5
1,2,4-Trimethylbenzene	95-63-6	25	5
tert-Butylbenzene	98-06-6	28	5
1,4-Dichlorobenzene	106-46-7	30	5
sec-Butylbenzene	135-98-8	28	5
p-Isopropyltoluene	99-87-6	28	5
n-Butylbenzene	104-51-8	28	5
1,2,4-Trichlorobenzene	120-82-1	38	5
Naphthalene	91-20-3	27	5
Additional Compounds			
1,4-Dioxane	123-91-1	37	10
Chloromethane	74-87-3	21	10
Leak Check Compound			
1,1-Difluoroethane (LCC)	75-37-6	27	10

H&P Mobile Geochemistry Inc.

H&P Project # GIL042114-A1

On the first day of the project, 4/21/14, a purge volume test was completed at each of the soil vapor probe depths (5', 15', 25' and 35'). These were all done properly and it was determined that at the shallower probes, 5' and 15', a purge volume of 3 would be used for the remainder of the locations. At the deeper probes, 25' and 35', a purge volume of 1 would be used.

On the fifth day of sampling, 4/25/14, it was discovered that because of a miscalculation in the pump run times, the shallower probes were not being purged the full 3 purge volumes, but were instead being purged of 2 purge volumes before sample collection.

The client was informed of the error and they concluded that because the purge volume test showed minor variation in the concentrations between the 1 PV and the 3 PV, that the 2 PV was acceptable and advised us to continue with these same purge volumes for the remainder of the project to maintain consistency in the sampling.

The sample log sheets were amended to reflect the proper purge volumes used.

The following changes were made to the log sheet purge volumes:

At the 5' sample depths: 1299 cc changed to 816 cc
At the 15' sample depths: 1444 cc changed to 913 cc

Dave Balkenbush
Field Operations Manager

2470 Impala Drive, Carlsbad, CA 92010 & Field Office - Signal Hill, CA
P 1.800.834.9888 | 760.804.9678 F 760.804.9159 W handpmg.com

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, E. Corson

Date: 4/21/2014
Arrival Time: 8:00
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: Pump Run
1	SG23-5 1PV	SV0099	04/21/14	0918	5'	6.5'	1/4"	2"	12"	2"	6"	433	✓	<200	∅	2m 10s / 1-way valve
2	SG23-5 3PV	SV0086	04/21/14	1001								1299	✓		∅	4m 5s
3	SG23-5 10PV	SV0042	04/21/14	1043								4330	✓		∅	14m 54s
4	SG23-15 1PV	SV0021	04/21/14	1115	15'	16.5						481	✓		∅	2m 25s / 1-way valve
5	SG23-15 3PV	SV0085	04/21/14	1139								1444	✓		∅	4m 34s
6	SG23-15 10PV	SV0086	04/21/14	1248								4814	✓		∅	16m 36s
7	SG23-25 1PV	SV0099	04/21/14	1316	25	26.5						530	✓	<100cc	10	2m 39s / * / 1-way valve
8	SG23-35 1PV	SV0086	04/21/14	1347	35	36.5						578	✓	<200	∅	2m 53s
9	SG23-25 3PV	SV0021	04/21/14	1414	25	26.5						1589	✓	<100	10	5m 6s / * / 1-way valve
10	SG23-25 10PV	SV0042	04/21/14	1523	25	26.5						5298	✓	<100cc	10	26m 26s / *
11	SG23-35 3PV	SV0021	04/21/14	1447	35	36.5						1734	✓	<200	∅	5m 32s
12	SG23-35 10PV	SV0086	04/21/14	1546	35	36.5						5782	✓	<200	∅	19m 59s

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	*Selected by:*					

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.
* high vacuum, reduced pump flow rate to <100cc

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, E. Corson

Date: 4/22/2014
Arrival Time: 8:07
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DR
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: Pump Time
1	SG39-5	SV00186	04/22/14	1014	5'	6.5	1/4"	2"	12"	2"	6"	~~1294~~	✓816	<200	0	4m 5sec
2	SG39-15	SV00121	04/22/14	1050	15'	16.5						~~1444~~	✓913		0	4m 34sec *
3	SG39-25	SV00186	04/22/14	1118	25'	26.5						530	✓		1	2m 39sec
4	SG39-35	SV00199	04/22/14	1140	35'	36.5						578	✓		0	2m 53sec
5	SG39-35R	SV00186	04/22/14	1229	35'	36.5						628	✓		0	resample
6	SG38-5	SV00121	04/22/14	1300	5'	6.5						~~1299~~	✓816		0	4m 5sec
7	SG38-15	SV00199	04/22/14	1322	15'	16.5						~~1444~~	✓913		0	4m 34sec
8	SG38-15 Rep	SV00142	04/22/14	1346	15'	16.5						~~1494~~	✓963		0	Rep
9	SG38-25	SV00185	04/22/14	1408	25	26.5						530	✓		0	2m 39sec
10	SG38-35	SV00186	04/22/14	1430	35	36.5						578	✓		0	2m 53sec
11	SG37-5	SV00142	04/22/14	1533	5'	6.5						~~1299~~	✓816		01	4m 5sec
12	SG38-35R	SV00121	04/22/14	1501	35	36.5						628	✓		0	Resample

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15"		1PV 25',35'		*Selected by:*	Ed Gilbane

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.
summa collected from tedlar by Ed

* See attached memo for change of PVs (DR)

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, E. Corson

Date: 4/22/2014
Arrival Time: 8:07
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG37-15	SV00944	04/22/14	1555	15'	16.5	1/4"	2"	12"	2"	6"	~~1444~~	✓913 *	<200	1	Pump Run 4m 34s
14		SV00														
15		SV00														
16		SV00														
17		SV00														
18		SV00														
19		SV00														
20		SV00														
21		SV00														
22		SV00														
23		SV00														
24		SV00														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15"	1PV 25',35'	*Selected by:*	Ed Gilbane		

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

*See attached memo for change in PV. (DB)

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/23/2014
Arrival Time: 7:50
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc) *	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: Pump Run Time
1	SG-36-5	SV00~~86~~	04/23/14	~~0842~~ AW	5	7	1/4"	2"	12"	2"	6"	~~1299~~	✓~~816~~	<200	0	4min 5sec
2	SG-36-15	SV00~~99~~	04/23/14	0908	15	17	1/4	2	12	2	6	~~1444~~	✓913	200	0	4min 34sec
3	SG-36-25	SV00~~85~~	04/23/14	0929	25	27	1/4	2	12	2	6	530	✓	200	0	2min 39sec
4	SG-36-35	SV00~~42~~	04/23/14	1003	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53sec / sampled from tedlar bag.
5	SG-24-5	SV00~~99~~	04/23/14	1107	5	7	1/4	2	12	2	6	~~1299~~	✓~~816~~	200	0	4min 5sec
6	SG-24-15	SV00~~86~~	04/23/14	1125	15	17	1/4	2	12	2	6	~~1444~~	✓913	200	0	4min 34sec
7	SG-24-15 R	SV00~~99~~	04/23/14	1209	15	17	1/4	2	12	2	6	~~1494~~	✓963	200	0	Resample
8	SG-24-25	SV00~~86~~	04/23/14	1241	25	27	1/4	2	12	2	6	530	✓	200	50	2min 39sec
9	SG-24-35	SV00~~42~~	04/23/14	1305	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53sec / sampled from tedlar
10	SG-24-35 R	SV00~~85~~	04/23/14	1343	35	37	1/4	2	12	2	6	1628	✓	200	0	Resample
11	SG-26-5	SV00~~99~~	04/23/14	1425	5	7	1/4	2	12	2	6	~~1299~~	✓~~816~~	200	0	4min 5sec
12	SG-26-5 REP	SV00~~86~~	04/23/14	1449	5	7	1/4	2	12	2	6	~~1349~~	✓~~866~~	200	0	Replicate

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV = 433		3PV = 1299		10PV = 4330	
PV Amount Selected:	3PV 5'+15"	1PV 25',35'	*Selected by:*	Ed Gilbane		

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

* See attached memo for change of PVs (DB)

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/23/2014
Arrival Time: 7:50
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc) *	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG-26-5 R	SV00942	04/23/14	1509	5	7	1/4"	2"	12"	2"	6"	1399	✓916	<200	0	Resample
14	SG-26-15	SV00986		1543	15	17	1/4	2	12	2	6	1444	✓913	200	0	4min 34sec
15	SG-26-15 R	SV00999		1607	15	17	1/4	2	12	2	6	1494	✓963	200	0	Resample
16		SV00														
17		SV00														
18		SV00														
19		SV00														
20		SV00														
21		SV00														
22		SV00														
23		SV00														
24		SV00														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15"		1PV 25',35'	*Selected by:*		Ed Gilbane

Leak Check Information

Leak Check Compound: ~~☒~~1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

* See attached memo for change of PV's (DB)

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/24/2014
Arrival Time: 7:50
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc) *	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: Pump On Time
1	SG-26-25	SV00999	04/24/14	0825	25	27	1/4"	2"	12"	2"	6"	530	✓	<200	100	2min 39sec
2	SG-29-5	SV00886	04/24/14	0945	5	7	1/4	2	12	2	6	1299 → 816	✓	200	0	4min 5sec / sample from tedlar
3	SG-26-25R	SV00121	04/24/14	0859	25	27	1/4	2	12	2	6	580	✓	200	100	Resample
4	SG-26-25 R	SV00942	04/24/14	0923	25	27	1/4	2	12	2	6	630	✓	200	100	Resample
5	SG-29-15	SV00965	04/24/14	1005	15	17	1/4	2	12	2	6	1444 → 913	✓	200	0	4min34sec
6	SG-29-25	SV00999	04/24/14	1030	25	27	1/4	2	12	2	6	530	✓	200	85	2min39sec
7	SG-29-35	SV00121	04/24/14	1051	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53sec
8	SG-28-5	SV00886	04/24/14	1117	5	7	1/4	2	12	2	6	1299 → 816	✓	200	0	4min 5sec
9	SG-28-15	SV00942	04/24/14	1144	15	17	1/4	2	12	2	6	1444 → 913	✓	200	0	4min 34sec
10	SG-28-15 Rep	SV00886	04/24/14	1206	15	17	1/4	2	12	2	6	1494 → 963	✓	200	0	Replicant
11	SG-28-25	SV00	04/24/14		25	27	1/4	2	12	2	6	530	✓	200	100	2min 39sec / Not sampled high vacuum
12	SG-28-35	SV00999	04/24/14	1240	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53 sec

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV = **433**	3PV = **1299**	10PV = **4330**			
PV Amount Selected:	3PV 5'+15"	1PV 25',35'	*Selected by:*	Ed Gilbane		

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

* See memo for change of PV's (DB)

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/24/2014
Arrival Time: 7:50
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: Pump Run Time
13	SG-28-35R	SV00~~86~~	04/24/14	1305	35	37	1/4"	2"	12"	2"	6"	628	✓	<200	0	Resample
14	SG-31-5	SV00~~42~~		1336	5	7	1/4	2	12	2	6	~~1299~~ → 816	✓	200	0	4min 5sec
15	SG-31-15	SV00~~86~~		1406	15	17	1/4	2	12	2	6	~~1444~~ → 913	✓	200	0	4min 34sec
16	SG-31-25	SV00~~121~~		1430	25	27	1/4	2	12	2	6	530	✓	200	50	2min 39sec
17	SG-31-35	SV00~~99~~		1454	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53sec
18	SG-30-5	SV00~~85~~		1527	5	7	1/4	2	12	2	6	~~1299~~ → 816	✓	200	0	4min 5sec
19	SG-30-15	SV00~~86~~	↓	1555	15	17	1/4	2	12	2	6	~~1444~~ → 913	✓	200	0	4min 34sec
20		SV00														
21		SV00														
22		SV00														
23		SV00														
24		SV00														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15"		1PV 25',35'	*Selected by:*		Ed Gilbane

Leak Check Information

Leak Check Compound: ~~1,1-DFA~~ ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

* See attached memo for change of PVs (DB)

Vapor Sampling with Mobile Lab (Syringe*)

Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, K. Schindler

Date: 4/25/2014
Arrival Time: 7:50
Departure Time: 15:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure [redacted] H_2O	Field Notes:
1	SG-30-25	SV00 85	04/25/14	0904	25'	26.5'	1/4"	2"	12"	2"	6"	530	✓	<200	-10	2m 39sec *
2	SG-30-35	SV00 86	04/25/14	0927	35'	36.5'	1/4"	2"	12"	2"	6"	578	✓	<200	-5	2m 53sec
3	SG-32-5	SV00 121	04/25/14	0948	5'	6.5'	1/4"	2"	12"	2"	6"	816	✓	<200	-5	4m 5sec
4	SG-32-15	SV00 42	04/25/14	1013	15'	16.5'	1/4"	2"	12"	2"	6"	913	✓	<200	-5	4m 34sec *
5	SG-32-25	SV00 99	04/25/14	1035	25'	26.5'	1/4"	2"	12"	2"	6"	530	✓	<200	-60	2m 39sec
6	SG-32-35	SV00 121	04/25/14	1055	35'	36.5'	1/4"	2"	12"	2"	6"	578	✓	<200	-5	2m 53sec
7	SG-33-5	SV00 85	04/25/14	1122	5'	6.5'	1/4"	2"	12"	2"	6"	816	✓	<200	-4	4m 5sec
8	SG-33-5 Rep	SV00 42	04/25/14	1144	5	6.5	1/4	2	12	2	6	866	✓	<200	0	Replicant
9	SG-33-15	SV00 99	04/25/14	1212	15	16.5	1/4"	2"	12"	2"	6"	913	✓	<200	-3	4m 34sec
10	SG-33-25	SV00 121	04/25/14	1248	25	26.5	1/4"	2"	12"	2"	6"	530	✓	<200	-80	2m 39sec High ** Vac
11	SG-33-35	SV00 86	04/25/14	1319	35	36.5	1/4"	2"	12"	2"	6"	578	✓	<200	-5	2m 53sec *
12	SG-34-5	SV00 42	04/25/14	1349	5'	6.5'	1/4"	2"	12"	2"	6"	816	✓	<200	-5	4m 5sec

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15"		1PV 25',35'		*Selected by:*	Ed Gilbane

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

* split sample taken
** high vac purged ~1.5 minutes, shut off pump, let equilibrate ~5min
Finished up purge and collected sample

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, K. Schindler

Date: 4/25/2014
Arrival Time: 7:50
Departure Time: 15:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ~~("Hg)~~ H_2O	Field Notes:
13	SG-34-15	SV00~~85~~	04/25/14	1413	15'	16.5'	1/4"	2"	12"	2"	6"	913	✓	<200	-6	4m 34sec
14	SG-34-25	SV00 99	4/25/14	1434	25	26.5'	1/4"	2"	12"	2"	6"	530	✓	<200	-50	2m 39sec
15	SG-34-35	SV00~~86~~	4/25/14	1451	35	36.5	1/4"	2"	12"	2"	6"	578	✓	<200	-5	2m 53sec
16	[redacted]	SV00														
17		SV00														
18		SV00														
19		SV00														
20		SV00														
21		SV00														
22		SV00														
23		SV00														
24		SV00														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15"		1PV 25',35'	*Selected by:*		Ed Gilbane

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/28/2014
Arrival Time: 8:08
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: Pump Run Time
1	SG-35-5	SV00 86	04/28/14	0843	5	7	1/4"	2"	12"	2"	6"	816	✓	<200	0	4min 5sec
2	SG-35-15	SV00 99	04/28/14	0917	15	17	1/4	2	12	2	6	913	✓	200	0	4min 34sec
3	SG-35-25	SV00 85	04/28/14	0942	25	27	1/4	2	12	2	6	530	✓	200	0	2min 39sec / sample pulled from tedlar
4	SG-35-35	SV00 121	04/28/14	1007	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53sec
5	SG-25-5	SV00 86	04/28/14	1040	25	7	1/4	2	12	2	6	816	✓	200	0	4min 5 sec
6	SG-25-15	SV00 85	04/28/14	1104	15	17	1/4	2	12	2	6	913	✓	200	0	4min 34sec
7	SG-25-15 Rep	SV00 99	04/28/14	1129	15	17	1/4	2	12	2	6	963	✓	200	0	Replicant
8	SG-25-25	SV00 85	04/28/14	1306	25	25	1/4	2	12	2	6	530	✓	200	0	2min 39sec
9	SG-25-35	SV00 42	04/28/14	1204	35	37	1/4	2	12	2	6	578	✓	200	0	2min53sec
10	SG-25-35 R	SV00 121	04/28/14	1246	35	37	1/4	2	12	2	6	628	✓	200	0	Resample
11	SG-27-5	SV00 42	04/28/14	1342	5	7	1/4	2	12	2	6	816	✓	200	0	4min 5sec / sample from tedlar
12	SG-27-5 R	SV00 121	04/28/14	1425	5	7	1/4	2	12	2	6	1866	✓	200	0	Resample

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length: 6.5'	Diameter 1/4"	1 Volume: 31			
Sand Pack (if included in purge volume calculation):	Height: 12"	Diameter 2"	1 Volume: 247			
Dry Bentonite (if included in purge volume calculation):	Height: 6"	Diameter 2"	1 Volume: 154			
PVT Increments:	1PV = 433	3PV = 1299	10PV = 4330			
PV Amount Selected:	3PV 5'+15"	1PV 25',35'	*Selected by:*	Ed Gilbane		

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/28/2014
Arrival Time: 8:08
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: Pump on Time
13	SG-27-15	SV00886	04/28/14	1450	15	17	1/4"	2"	12"	2"	6"	913	✓	<200	0	4min 34sec
14	SG-27-15R	SV00885	↓	1515	15	17	1/4	2	12	2	6	963	✓	200	0	Resample
15	SG-27-25	SV00899		1540	25	27	1/4	2	12	2	6	530	✓	200	50	2min 39sec
16	SG-27-25R	SV00886		1602	25	27	1/4	2	12	2	6	580	✓	200	50	Resample
17		SV00														
18		SV00														
19		SV00														
20		SV00														
21		SV00														
22		SV00														
23		SV00														
24		SV00														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15"	1PV 25',35'	*Selected by:*	Ed Gilbane		

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/29/2014
Arrival Time: 7:55
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: Pump Run Time
1	SG-27-35	SV00199	04/29/14	0805	35	37	1/4"	2"	12"	2"	6"	578	✓	<200	0	2min 53sec
2	SG-27-35R	SV00186	04/29/14	0847	35	37	1/4	2	12	2	6	628	✓	200	0	Resample
3	SG-27-35R	SV00121	04/29/14	0910	35	37	1/4	2	12	2	6	678	✓	200	0	Resample
4	SG-19-5	SV00142	04/29/14	0945	5	7	1/4	2	12	2	6	816	✓	200	0	4min 5 sec
5	SG-19-5R	SV00185	04/29/14	1012	5	7	1/4	2	12	2	6	866	✓	200	0	Resample
6	SG-19-25	SV00121	04/29/14	1040	25	27	1/4	2	12	2	6	530	✓	200	30	2min 39sec
7	SG-19-25R	SV00186	04/29/14	1130	25	27	1/4	2	12	2	6	580	✓	200	30	Resample
8	SG-19-15	SV00142	04/29/14	1237	15	17	1/4	2	12	2	6	913	✓	200	100	4min 34sec
9	SG-19-15R	SV00185	04/29/14	1300	15	17	1/4	2	12	2	6	963	✓	200	100	Resample
10	SG-19-15R	SV00186	04/29/14	1320	15	17	1/4	2	12	2	6	1013	✓	200	100	Resample
11	SG-19-35	SV00199	04/29/14	1351	35	37	1/4	2	12	2	6	578	✓	200	100	2min 53sec
12	SG-19-35R	SV00121	04/29/14	1412	35	37	1/4	2	12	2	6	628	✓	200	100	Resample

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV = 433		3PV = 1299		10PV = 4330	
PV Amount Selected:	3PV 5'+15"		1PV 25',35'	*Selected by:*	Ed Gilbane	

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.
Client says SG-19 will be hottest locations.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/29/2014
Arrival Time: 7:55
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes:
13	SG-22-5	SV00142	04/29/14	1443	5	7	1/4"	2"	12"	2"	6"	816	✓	<200	0	4min 5 sec
14	SG-22-5REP	SV00185		1502	5	7	1/4	2	12	2	6	866	✓	200	0	Replicate
15	SG-22-15	SV00186		1532	15	17	1/4	2	12	2	6	913	✓	200	0	4min 34sec
16	SG-22-25	SV00121	↓	1558	25	27	1/4	2	12	2	6	530	✓	200	50	2min 39sec / sampler from tedlar
17		SV00														
18		SV00														
19		SV00														
20		SV00														
21		SV00														
22		SV00														
23		SV00														
24		SV00														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15"	1PV 25',35'	*Selected by:*	Ed Gilbane		

Leak Check Information

Leak Check Compound: ☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/30/2014
Arrival Time: 7:55
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: PumpRunTime
1	SG-22-~~AW~~35	SV00 86	04/30/14	0805	35	37	1/4"	2"	12"	2"	6"	578	✓	<200	0	2min 53sec
2	SG-22-35REP	SV00 121	04/30/14	0828	35	37	1/4	2	12	2	6	628	✓	200	0	Replicate
3	SG-21-5	SV00 99	04/30/14	0850	5	7	1/4	2	12	2	6	816	✓	200	0	4min 5sec
4	SG-21-15	SV00 42	04/30/14	0914	15	17	1/4	2	12	2	6	913	✓	200	0	4min 34sec
5	SG-21-15R	SV00 86	04/30/14	0958	15	17	1/4	2	12	2	6	963	✓	200	0	Resample
6	SG-21-25	SV00 99	04/30/14	1013	25	27	1/4	2	12	2	6	530	✓	200	60	2min 39sec
7	SG-21-25R	SV00 121	04/30/14	1040	25	27	1/4	2	12	2	6	580	✓	200	60	Resample
8	SG-21-35	SV00 86	04/30/14	1104	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53sec
9	SG-21-35R	SV00 85	04/30/14	1130	35	37	1/4	2	12	2	6	628	✓	200	0	Resample
10	SG-20-5	SV00 99	04/30/14	1154	5	7	1/4	2	12	2	6	816	✓	200	0	4min 5sec
11	SG-20-5R	SV00 42	04/30/14	1255	5	7	1/4	2	12	2	6	866	✓	200	0	Resample
12	SG-20-15	SV00 86	04/30/14	1319	15	17	1/4	2	12	2	6	913	✓	200	0	4min 34sec

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length: 6.5'	Diameter 1/4"	1 Volume: 31			
Sand Pack (if included in purge volume calculation):	Height: 12"	Diameter 2"	1 Volume: 247			
Dry Bentonite (if included in purge volume calculation):	Height: 6"	Diameter 2"	1 Volume: 154			
PVT Increments:	1PV = 433	3PV = 1299	10PV = 4330			
PV Amount Selected:	3PV 5'-15"	1PV 25'-35'	*Selected by:*	Ed Gilbane		

Leak Check Information

Leak Check Compound: X 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gilbane
H&P Rep(s): M. Montemayor, A. Wagner

Date: 4/30/2014
Arrival Time: 7:55
Departure Time: 10:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: PumpRunTime
13	SG-20-15R	SV00 85	04/30/14	1405	15	17	1/4"	2"	12"	2"	6"	963	✓	<200	0	Resample
14	SG-20-25	SV00 99		1458	25	27	1/4	2	12	2	6	530	✓	200	0	2min 39sec
15	SG-20-25R	SV00 121		1550	25	27	1/4	2	12	2	6	580	✓	200	0	Resample
16		SV00														
17		SV00														
18		SV00														
19		SV00														
20		SV00														
21		SV00														
22		SV00														
23		SV00														
24		SV00														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length: 6.5'	Diameter 1/4"	1 Volume: 31			
Sand Pack (if included in purge volume calculation):	Height: 12"	Diameter 2"	1 Volume: 247			
Dry Bentonite (if included in purge volume calculation):	Height: 6"	Diameter 2"	1 Volume: 154			
PVT Increments:	1PV = 433	3PV = 1299	10PV = 4330			
PV Amount Selected:	3PV 5'-15"	1PV 25',35'	*Selected by:*	Ed Gilbane		

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, A. Wagner

Date: 5/1/2014
Arrival Time: 7:55
Departure Time: 10:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: PompRunTime
1	SG-20-35	SV00142	05/01/14	0818	35	37	1/4"	2"	12"	2"	6"	578	✓	<200	0	2min53sec / sample pulled from tedlar
2	SG-20-35R	SV00199	05/01/14	0907	35	37	1/4	2	12	2	6	1628	✓	200	0	Resample
3	SG-40-5	SV00185	05/01/14	1043	5	7	1/4	2	12	2	6	816	✓	200	0	4min 5sec
4	SG-40-15	SV00186	05/01/14	1104	15	17	1/4	2	12	2	6	913	✓	200	0	4min 34sec
5	SG-40-25	SV00121	05/01/14	1125	25	27	1/4	2	12	2	6	530	✓	200	0	2min 39sec
6	SG-40-35	SV00142	05/01/14	1152	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53sec
7	SG-40-35 Rep	SV00199	05/01/14	1223	35	37	1/4	2	12	2	6	628	✓	200	0	Replicant
8	SG-40-35REPR	SV00186	05/01/14	1243	35	37	1/4	2	12	2	6	678	✓	200	0	Resample
9	SG-41-5	SV00142	05/01/14	1327	5	7	1/4	2	12	2	6	816	✓	200	0	4min5sec / sample pulled from tedlar
10	SG-41-15	SV00199	05/01/14	1355	15	17	1/4	2	12	2	6	913	✓	200	0	4min 34sec
11	SG-41-25	SV00185	05/01/14	1417	25	27	1/4	2	12	2	6	530	✓	200	0	2min 39sec
12	SG-41-25R	SV00186	05/01/14	1436	25	27	1/4	2	12	2	6	580	✓	200	0	Resample

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15'	1PV 25',35'	*Selected by:*	Ed Gillera		

Leak Check Information

Leak Check Compound: ☒1,1-DFA ☐1,1,1,2-TFA ☐IPA ☐Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: GIL042114-A1
Site Address: 5211 Southern Ave. South Gate, CA
Consultant: GILBANE COMPANY
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, A. Wagner

Date: 5/1/2014
Arrival Time: 7:55
Departure Time: 16:30
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: PumpRunTime
13	SG-41-35	SV00121	05/01/14	1454	35	37	1/4"	2"	12"	2"	6"	576	✓	<200	0	2min53sec
14	SG-41-5R	SV00165		1516	5	7	1/4	2	12	2	6	1866	✓	200	0	Resample
15	SG-43-5	SV00142		1600	5	7	1/4	2	12	2	6	816	✓	200	0	4min5sec
16		SV00														
17		SV00														
18		SV00														
19		SV00														
20		SV00														
21		SV00														
22		SV00														
23		SV00														
24		SV00														

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	433	3PV =	1299	10PV =	4330
PV Amount Selected:	3PV 5'+15"	1PV 25'.35'	*Selected by:*	Ed Gillera		

Leak Check Information

Leak Check Compound: X 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Vapor Sampling with Mobile Lab (Syringe*)

H&P Mobile Geochemistry Inc.

H&P Project #: **GIL042114-A1**
Site Address: **5211 Southern Ave. South Gate, CA**
Consultant: **GILBANE COMPANY**
Field Rep(s): Ed Gillera
H&P Rep(s): M. Montemayor, A. Wagner

Date: 5/2/2014
Arrival Time: 7:55
Departure Time: 11:55
Overtime:
Approved By:

Office Use Only:
Reviewed: DB
Scanned:

	Sampling Information				Probe Specs							Collection Data				
	Point ID	Syringe ID	Date	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing Dia (in.)	Sand Pack Dia (in.)	Sand Pack Ht (in.)	Dry Bent. Dia (in.)	Dry Bent. Ht (in.)	Purge Vol. (cc)	Shut-in Test (✓=Pass)	Flow Rate (mL/min)	Probe Pressure ("Hg)	Field Notes: PumpRunTime
1	SG-43-15	SV00086	05/02/14	0809	15	17	1/4"	2"	12"	2"	6"	913	✓	<200	0	4min 34sec
2	SG-43-25	SV00121	05/02/14	0832	25	27	1/4	2	12	2	6	530	✓	200	0	2min 39sec
3	SG-43-35	SV00099	05/02/14	0853	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53sec
4	SG-43-35REP	SV00042	05/02/14	0917	35	37	1/4	2	12	2	6	628	✓	200	0	Replicate
5	SG-43-35RER	SV00035	05/02/14	0941	35	37	1/4	2	12	2	6	678	✓	200	0	Resample
6	SG-42-5	SV00086	05/02/14	1003	5	7	1/4	2	12	2	6	816	✓	200	0	4min 5sec
7	SG-42-15	SV00099	05/02/14	1026	15	17	1/4	2	12	2	6	913	✓	200	0	4min 34sec
8	SG-42-25	SV00042	05/02/14	1048	25	27	1/4	2	12	2	6	530	✓	200	0	2 min 39sec
9	SG-42-35	SV00121	05/02/14	1114	35	37	1/4	2	12	2	6	578	✓	200	0	2min 53sec
10		SV00	05/02/14													
11		SV00	05/02/14													
12		SV00	05/02/14													

Purge Volume Calculation

Probe ID for PVT, if applicable:	SG23-5 on 4/21/2014					
Tubing:	Length:	6.5'	Diameter	1/4"	1 Volume:	31
Sand Pack (if included in purge volume calculation):	Height:	12"	Diameter	2"	1 Volume:	247
Dry Bentonite (if included in purge volume calculation):	Height:	6"	Diameter	2"	1 Volume:	154
PVT Increments:	1PV =	**433**	3PV =	**1299**	10PV =	**4330**
PV Amount Selected:	3PV 5'+15"		1PV 25',35'	*Selected by:*		Ed Gillera

Leak Check Information

Leak Check Compound: ☒**1,1-DFA** ☐**1,1,1,2-TFA** ☐**IPA** ☐**Other**

Procedure: Used gaseous LCC as checked above

Other Notes: * 50cc vapor collected unless otherwise specified.

Electronic Comprehensive Validation Package (eCVP)

eurofins | Air Toxics

COMPREHENSIVE VALIDATION PACKAGE

Passive S.E. RAD130/SKC

INVENTORY SHEET

Work Order #: 1504459R1

	Page Nos. From	To
1. Work Order Cover Page & Laboratory Narrative	1	5
a. Lumen Validation Report	--	--
2. Sample Results and Raw Data (Organized by Sample)	6	89
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	90	98
b. Surrogate Recover Summary Form (If Applicable)	99	99
c. Internal Standard Summary Form (If Applicable)	--	--
d. Duplicate Results Summary Sheet	100	100
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	101	231
g. MDL Study (If Applicable)	232	234
h. Continuing Calibration Verification Data (Summary Sheet	235	240
i. Second Source LCS(Summary + Raw Data)	241	346
j. Extraction Logs	347	347
k. Instrument Run Logs/Software Verification	348	349
l. GC/MS Tune (Results + Raw Data)	350	353
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	354	355
b. Chain-of-Custody Records	356	356
c. Sample Log-In Sheet	357	357
d. Misc Shipping/Receiving Records (list of individual records)		
Sample Receipt Discrepancy Report	358	360
5. Other Records (describe or list)		
a. Manual Spectral Defense	--	--
b. Manual Integrations	361	381
c. Manual Calculations	--	--
d. Canister Dilution Factors	--	--
e. Laboratory Corrective Action Request	--	--
f. CAS Number Reference	382	382
g. Variance Table	--	--
h. Canister Certification	--	--
i. Data Review Check Sheet	383	384

Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	7/15/15
(Signature)	(Print Name & Title)	(Date)

CONFIDENTIALITY NOTICE: This communication and any accompanying documents are confidential and privileged. The proprietary information contained in this e-mail message, and any files transmitted with it, is intended for the use of the recipient(s) named above. If you received this transmission in error, you are advised that any disclosure, copying, distribution, or the taking of any action in reliance upon the communication is strictly prohibited. If you have received this communication in error, please contact Eurofins Air Toxics, Inc. at (916)-985-1000.

eurofins | Air Toxics

WORK ORDER #: 1504459R1

Work Order Summary

CLIENT:	Mr. Thomas Beer Gilbane Company 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	**BILL TO:**	Mr. Thomas Beer Gilbane Company 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598
PHONE:	925-946-3100	**P.O. #**	J163006400-002
FAX:	925-256-8998	**PROJECT #**	
DATE RECEIVED:	04/25/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/08/2015		
DATE REISSUED:	07/13/2015		

FRACTION #	NAME	TEST
01A	765NP	Passive S.E. RAD130/SKC
02A	764NP	Passive S.E. RAD130/SKC
03A	915NP	Passive S.E. RAD130/SKC
04A	913NP	Passive S.E. RAD130/SKC
05A	914NP	Passive S.E. RAD130/SKC
06A	Lab Blank	Passive S.E. RAD130/SKC
07A	LCS	Passive S.E. RAD130/SKC
07AA	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY: Heidi Hayes DATE: 07/13/15

Technical Director

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

eurofins | Air Toxics

LABORATORY NARRATIVE
Passive SE GC/MS
Gilbane Company
Workorder# 1504459R1

Five Radiello 130 (Solvent) samples were received on April 25, 2015. The laboratory extracted the charcoal sorbent bed of the passive sampler using carbon disulfide. An aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

If validated uptake rates were not available, rates were estimated using the chemical's diffusion coefficient in air and the geometric constant of the sampler. Chemicals that are poorly retained by the sorbent over the sampling duration may exhibit a low bias. All concentrations calculated using estimated rates are qualified with a "C" flag.

To calculate ug/m3 concentrations in the Lab Blank, a sampling duration of 10095 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

As per project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

The workorder was reissued on July 13, 2015 to correct the baseline for 1,2-Dichloroethane in samples 765NP, 764NP, 915NP, 914NP ; for Trichloroethene in samples 765NP, 764NP, 913NP, 914NP and for Tetrachloroethene in samples 765NP, 915NP, 914NP. The manual integration resulted in a change in the reported values.

Definition of Data Qualifying Flags

Nine qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.
C - Estimated concentration due to calculated sampling rate

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
765NP	1504459R1-01A	4/16/2015	4/25/2015	4/27/2015	11	4/27/2015	0	Good
764NP	1504459R1-02A	4/16/2015	4/25/2015	4/27/2015	11	4/27/2015	0	Good
915NP	1504459R1-03A	4/17/2015	4/25/2015	4/27/2015	10	4/27/2015	0	Good
913NP	1504459R1-04A	4/17/2015	4/25/2015	4/27/2015	10	4/27/2015	0	Good
914NP	1504459R1-05A	4/17/2015	4/25/2015	4/27/2015	10	4/27/2015	0	Good
Lab Blank	1504459R1-06A	NA	NA	4/27/2015	NA	4/27/2015	0	Good
LCS	1504459R1-07A	NA	NA	4/27/2015	NA	4/27/2015	0	Good
LCSD	1504459R1-07A	NA	NA	4/27/2015	NA	4/27/2015	0	Good

Sample Results and Raw Data

eurofins | Air Toxics

Client Sample ID: 765NP

Lab ID#: 1504459R1-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**10042726simr1**	**Date of Collection: 4/16/15 11:03:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 4/27/15 05:49 PM**
		Date of Extraction: 4/27/15

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Benzene	0.40	0.50	0.53	0.66
1,2-Dichloroethane	0.10	0.13	0.076 J	0.099 J
Trichloroethene	0.10	0.14	0.041 J	0.059 J
Toluene	0.10	0.14	2.6	3.6
Tetrachloroethene	0.10	0.17	0.050 J	0.084 J
Ethyl Benzene	0.10	0.15	0.21	0.31
m,p-Xylene	0.10	0.14	0.65	0.92
o-Xylene	0.10	0.15	0.22	0.34
Naphthalene	0.10	0.40	0.0084 J	0.034 J
1,1-Dichloroethane	0.10	0.16	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.53	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.20	0.27	0.54
1,3,5-Trimethylbenzene	0.10	0.19	0.083 CJ	0.16 CJ
Vinyl Chloride	0.40	0.44	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 9998 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042726simr1.d
Lab Smp Id: 1504459R1-01A
Inj Date : 27-APR-2015 17:49
Operator : gm Inst ID: msd10.i
Smp Info : ;1504459R1-01A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 08-May-2015 15:50 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2	Vinyl Chloride	62	Compound Not Detected.					
4	1,1-Dichloroethene-CCC	96	Compound Not Detected.					
8	trans-1,2-Dichloroethene	96	Compound Not Detected.					
11	1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
14	cis-1,2-Dichloroethene	96	Compound Not Detected.					
17	1,1,1-Trichloroethane	97	Compound Not Detected.					
19	Benzene	78	7.938	7.938	(0.782)	10912	0.26321	0.526411
20	1,2-Dichloroethane	62	7.999	7.999	(0.788)	673	0.03798	0.0759691(aM)
22	Trichloroethene	130	8.562	8.562	(0.843)	266	0.02041	0.0408144(aM)
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	232250	5.01870	10.0374
28	Toluene-CCC	92	9.912	9.912	(0.976)	51688	1.31800	2.63600
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	256104	5.00000	
30	1,1,2-Trichloroethane	97	Compound Not Detected.					
31	Tetrachloroethene	164	10.466	10.466	(1.031)	310	0.02493	0.0498577(aM)
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	2850	0.10592	0.211832
34	m,p-Xylene	106	11.613	11.613	(1.144)	9117	0.32388	0.647770

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug)
36 o-Xylene	106	12.061	12.062	(1.188)	3079	0.11173	0.223460
41 1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	3682	0.04132	0.0826458(a)
42 1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	10006	0.13459	0.269177
49 Naphthalene	128	15.905	15.905	(1.567)	494	0.00421	0.00842602(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042726simr1.d
Lab Smp Id: 1504459R1-01A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	256104	18.50

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 13-Jul-2015 12:28

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 27Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504459R1-01A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 26 Toluene-d8	10.0000	10.0374	100.37	70-130

Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

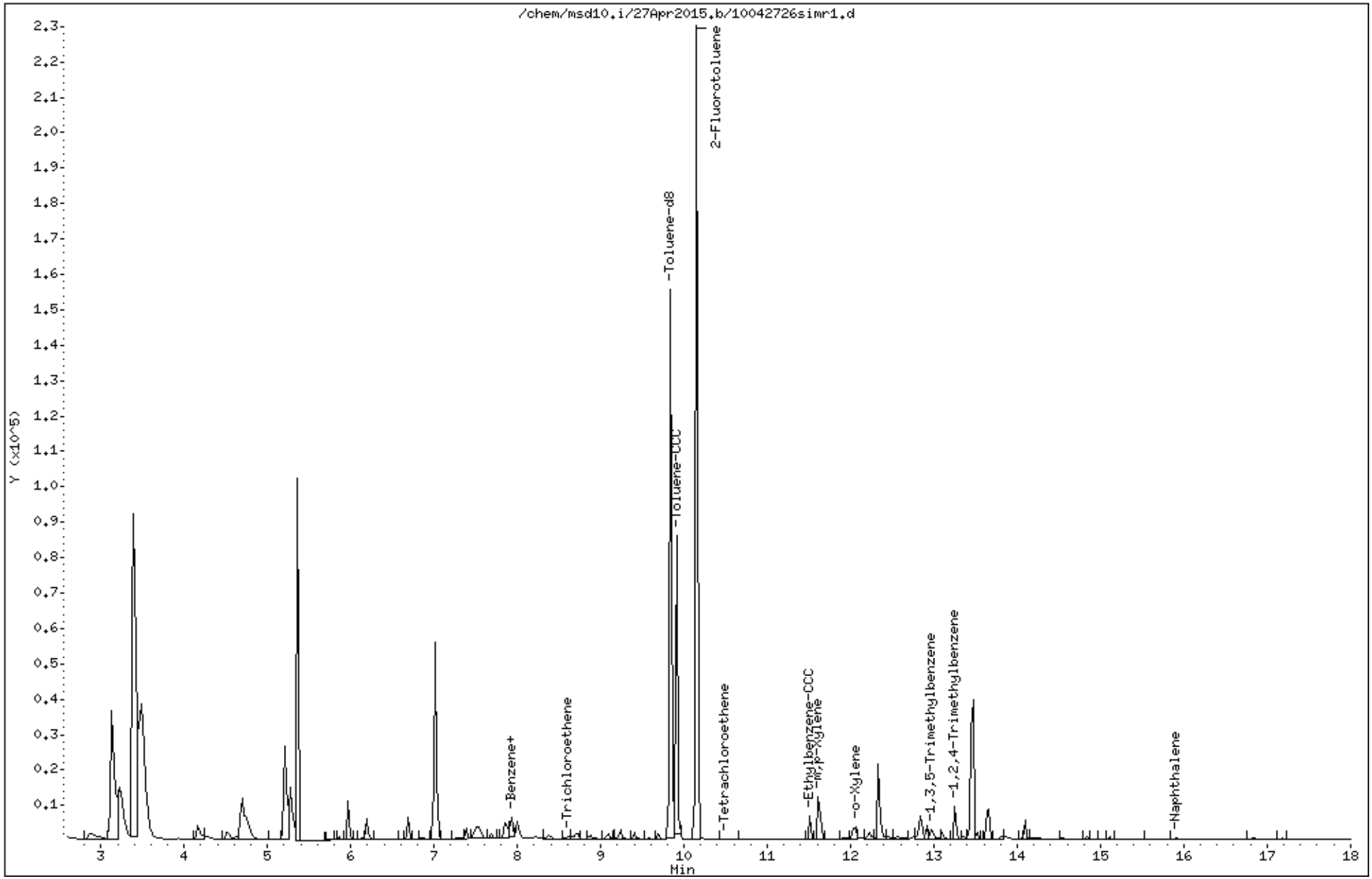
Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

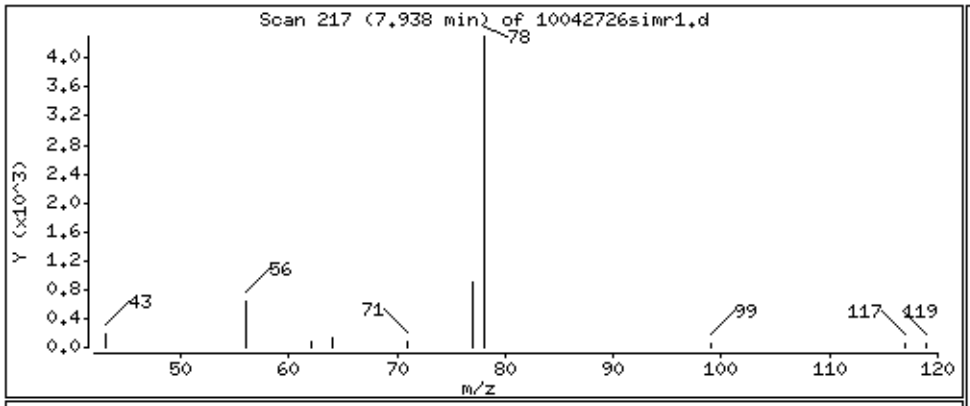
Operator: gm

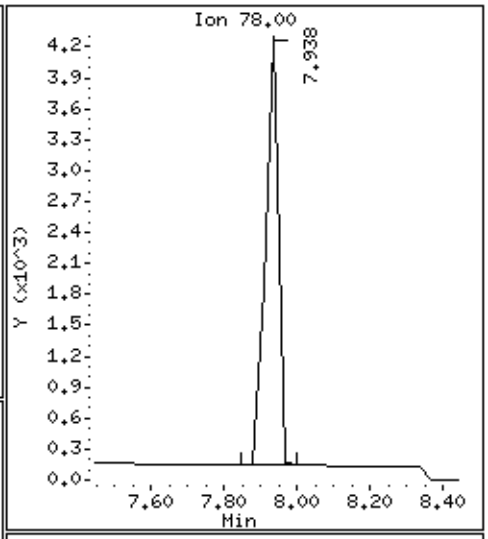
Column phase: DB-5.625

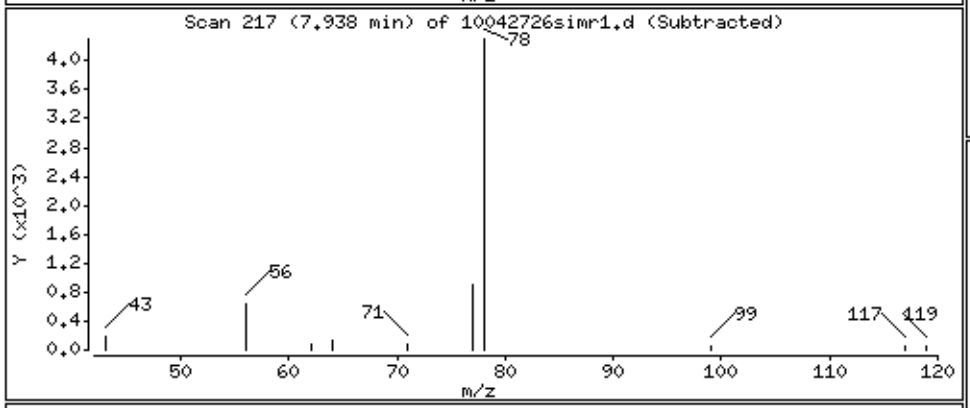
Column diameter: 0.25

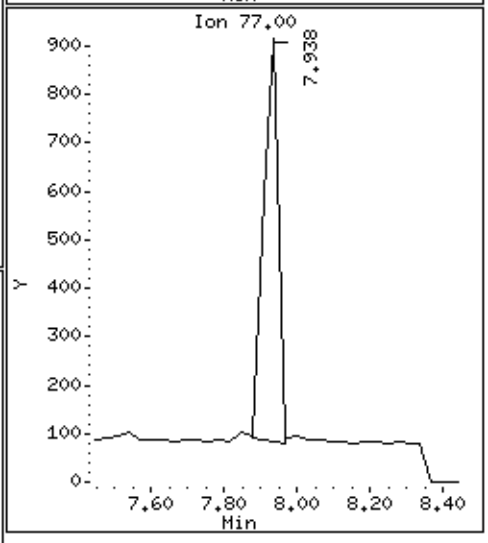
19 Benzene

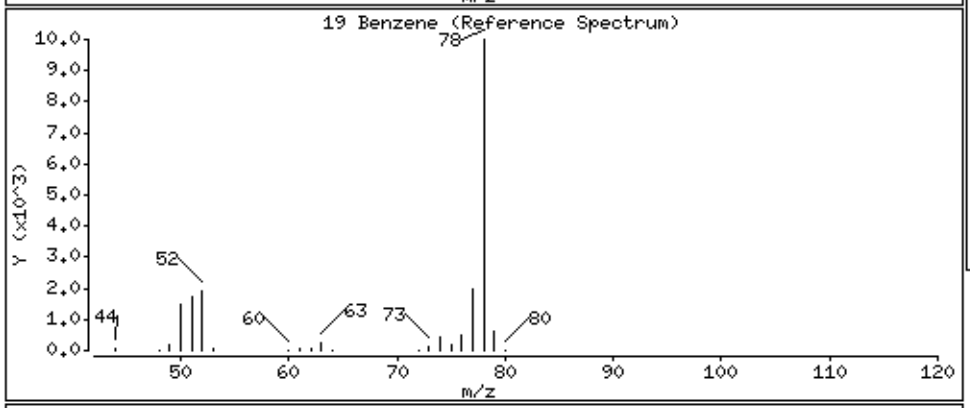
Concentration: 0.526411 ug

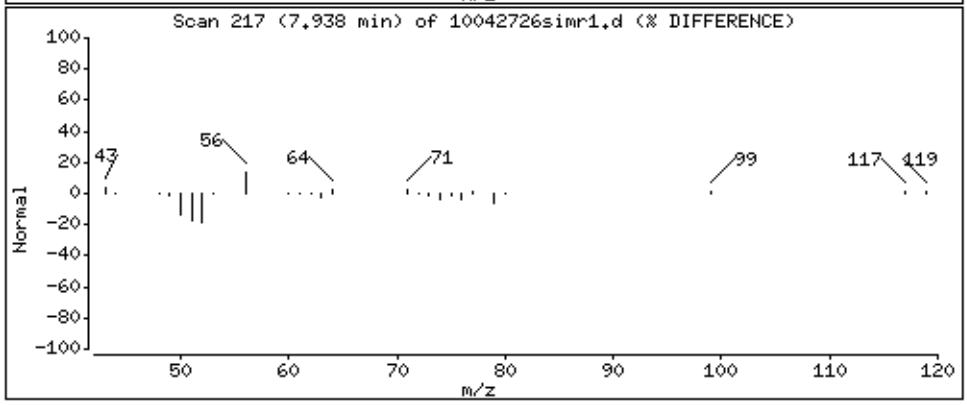












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

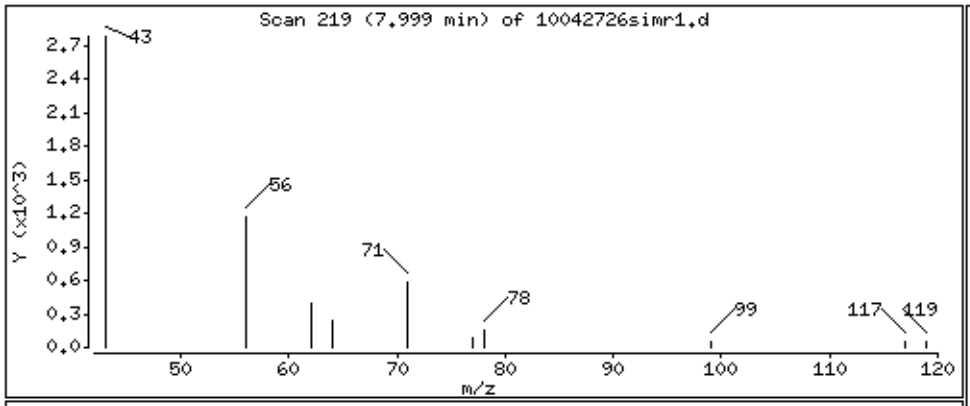
Operator: gm

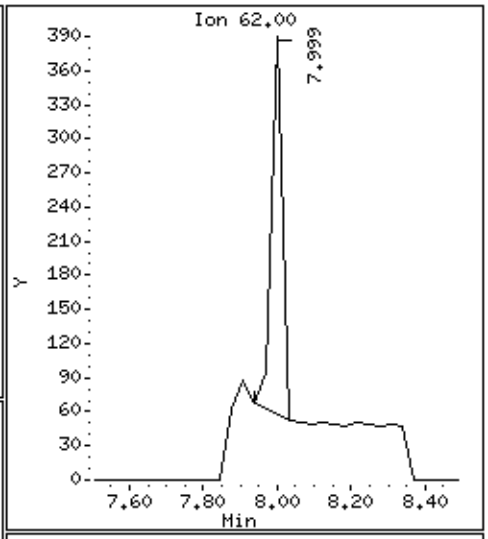
Column phase: DB-5.625

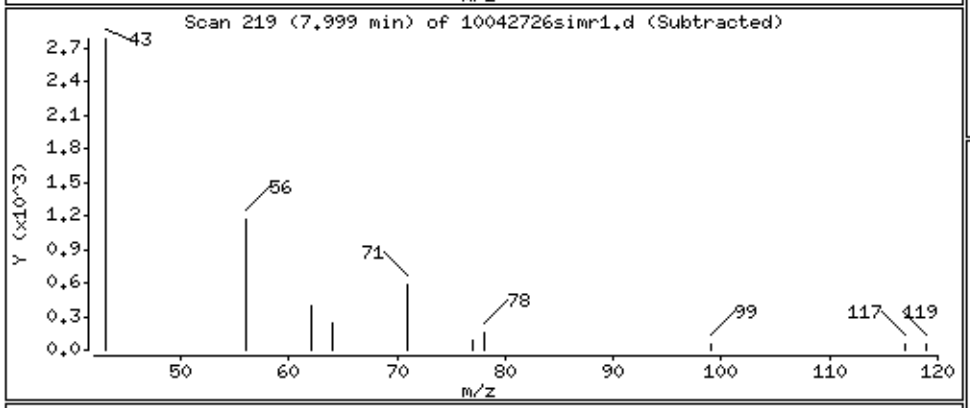
Column diameter: 0.25

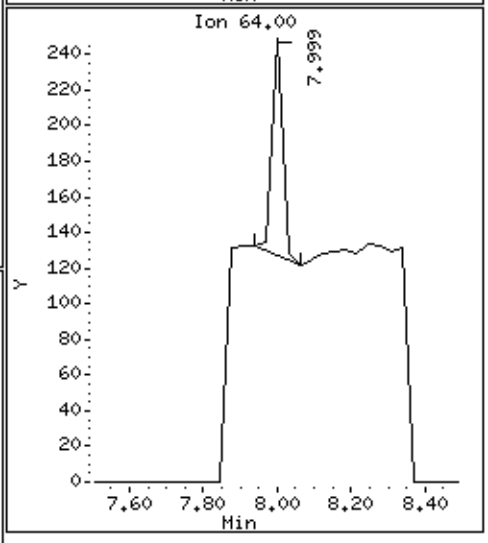
20 1,2-Dichloroethane

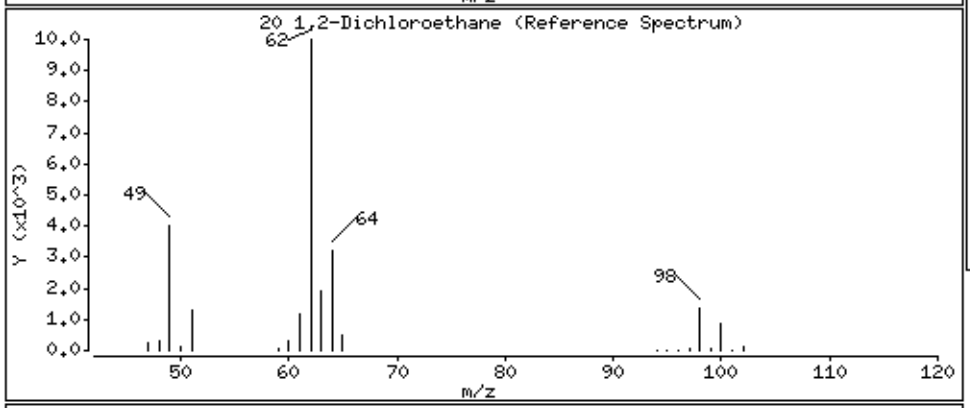
Concentration: 0.0759691 ug

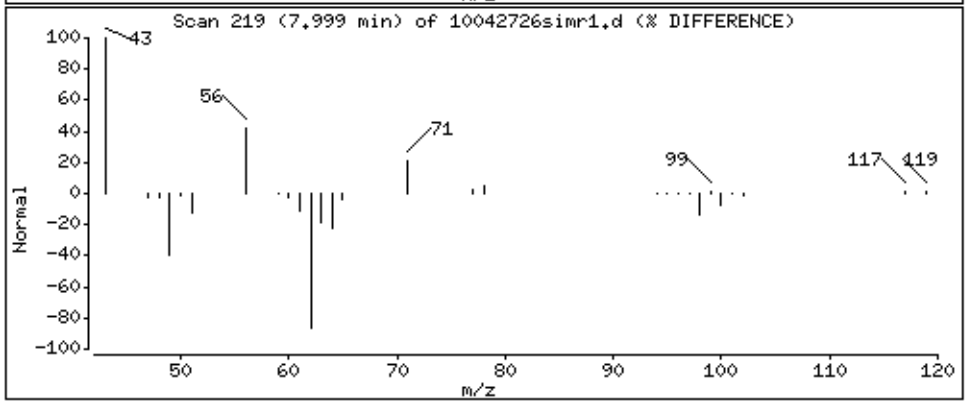












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

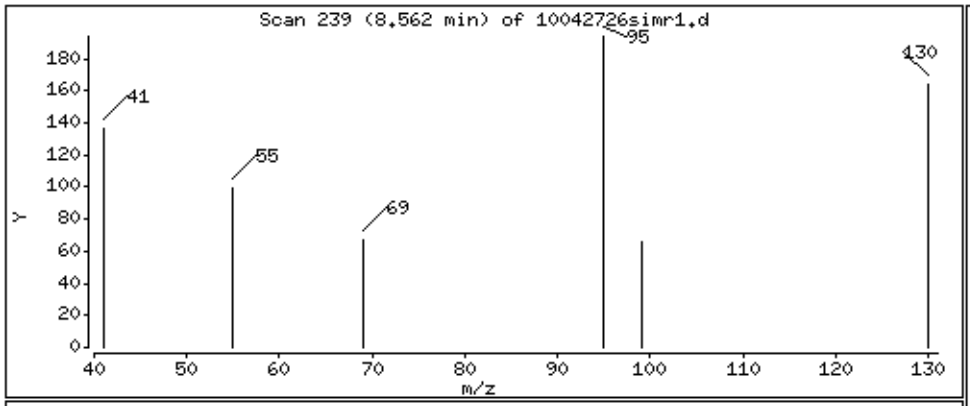
Operator: gm

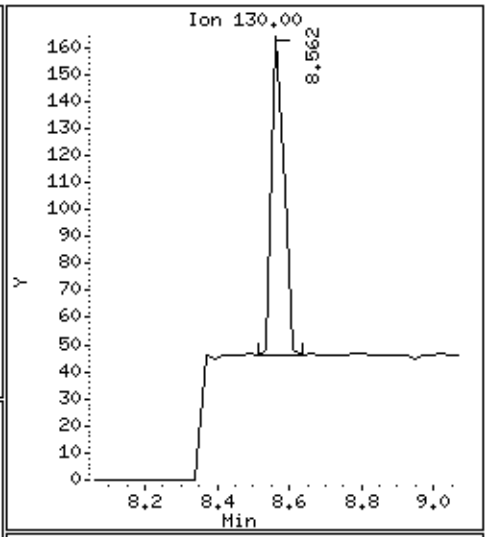
Column phase: DB-5.625

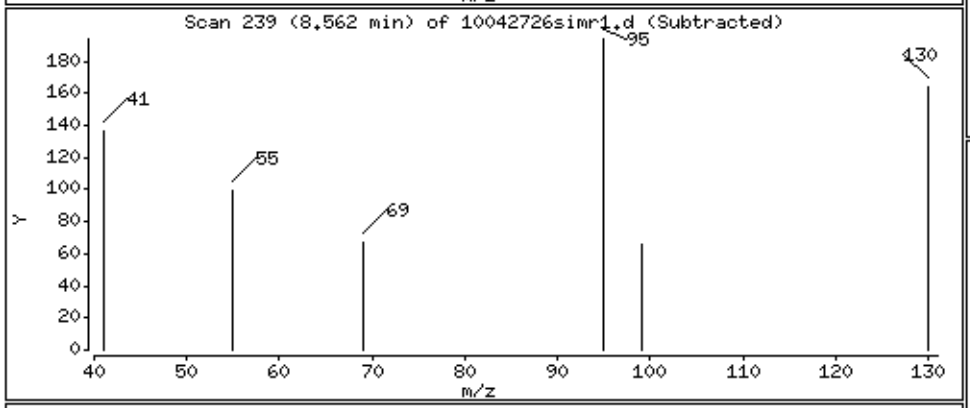
Column diameter: 0.25

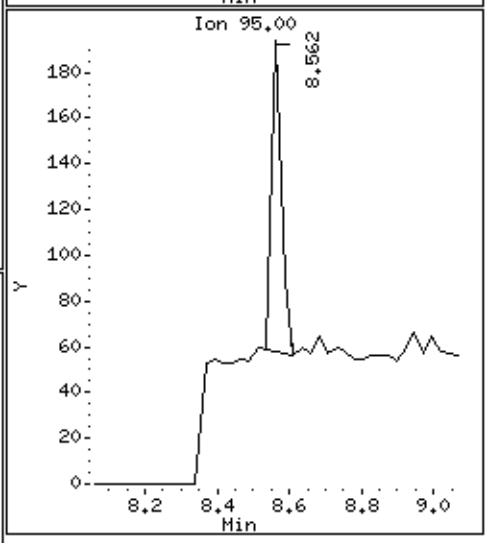
22 Trichloroethene

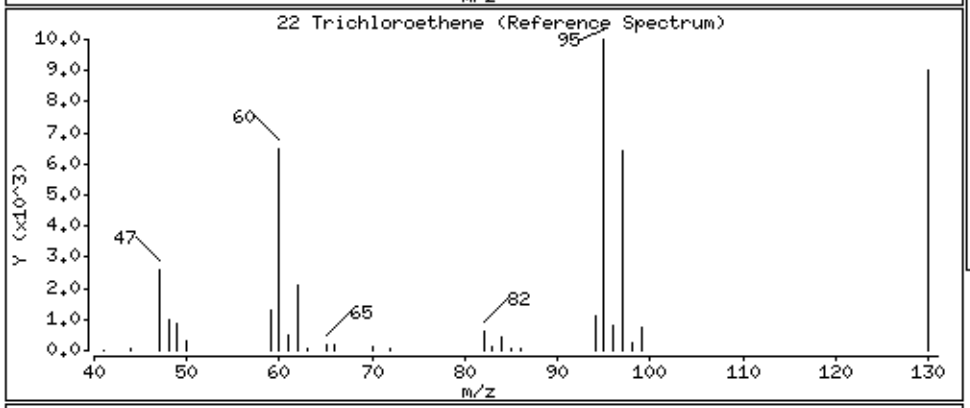
Concentration: 0.0408144 ug

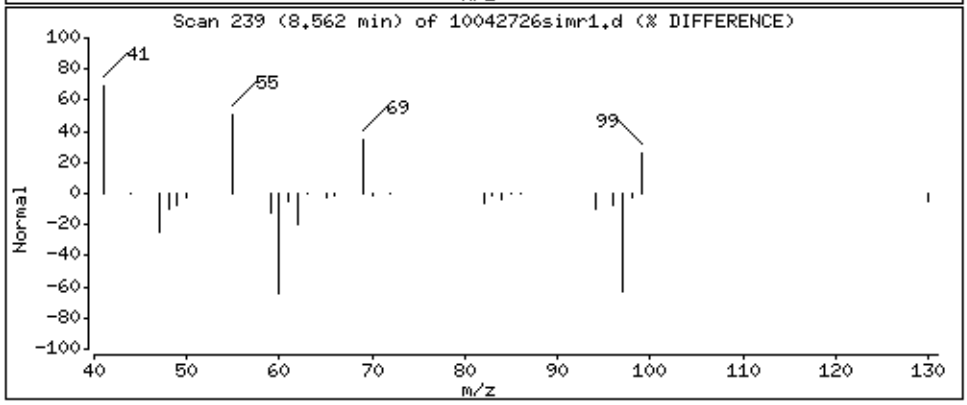












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

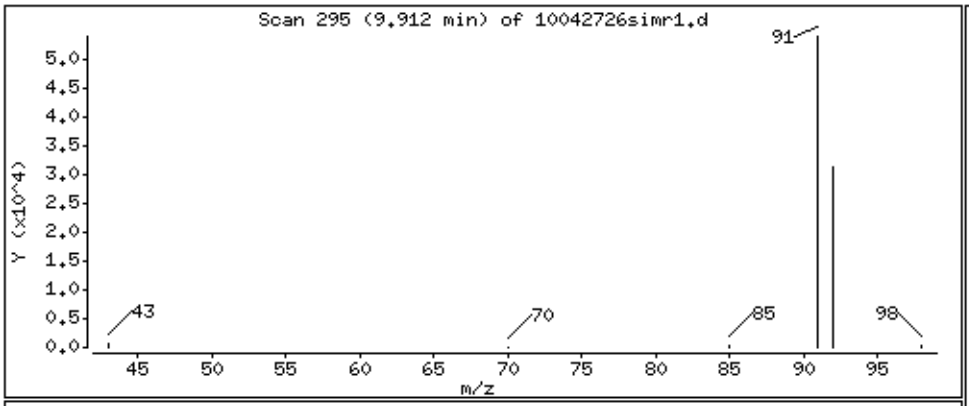
Operator: gm

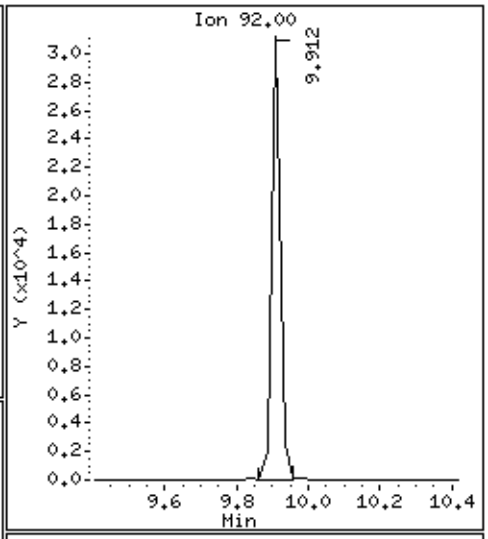
Column phase: DB-5.625

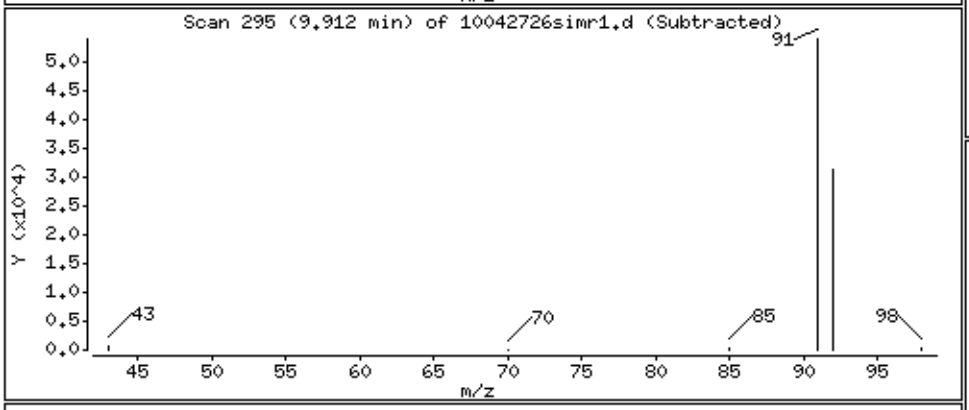
Column diameter: 0.25

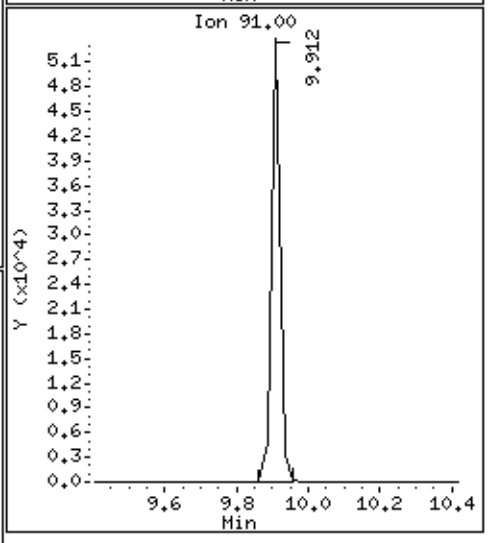
28 Toluene-CCC

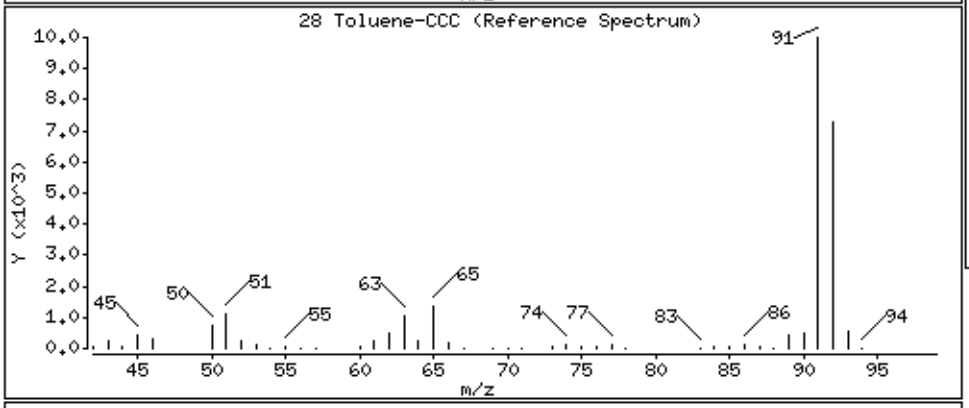
Concentration: 2.63600 ug

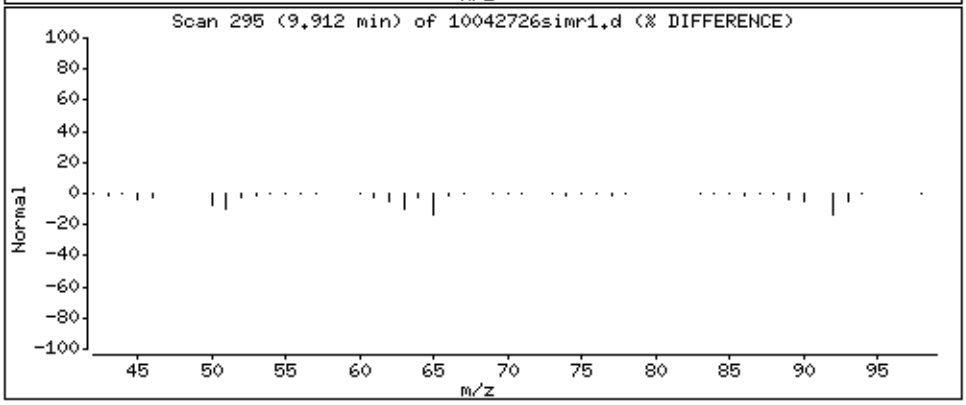












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

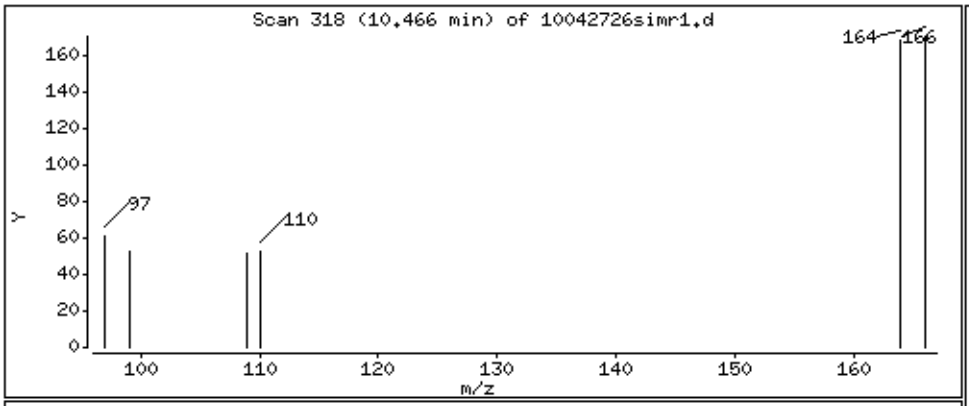
Operator: gm

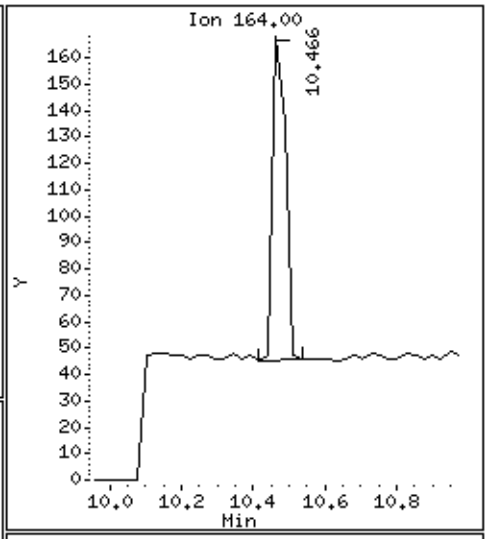
Column phase: DB-5.625

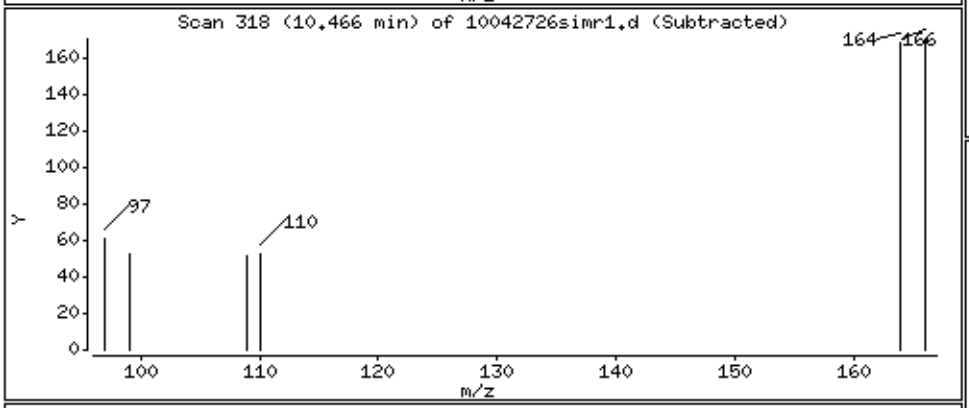
Column diameter: 0.25

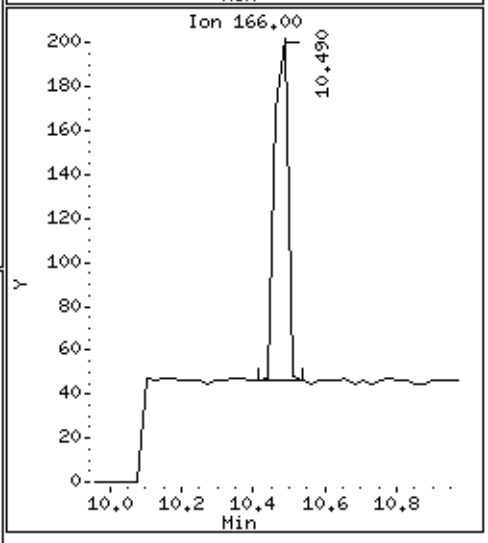
31 Tetrachloroethene

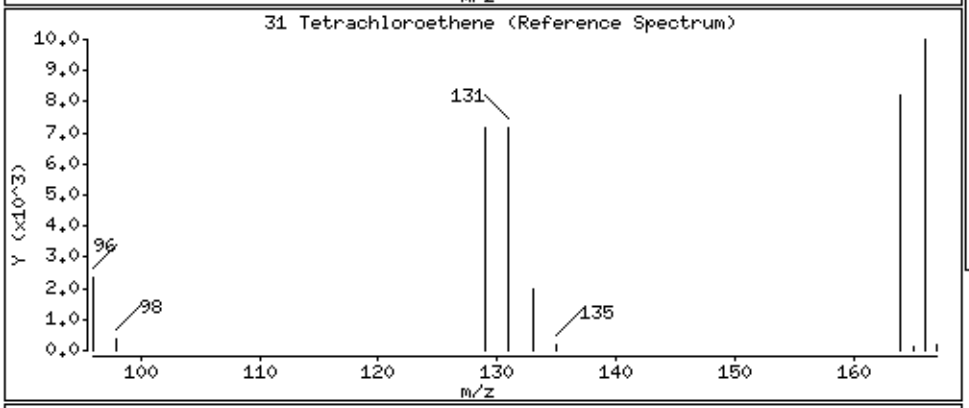
Concentration: 0.0498577 ug

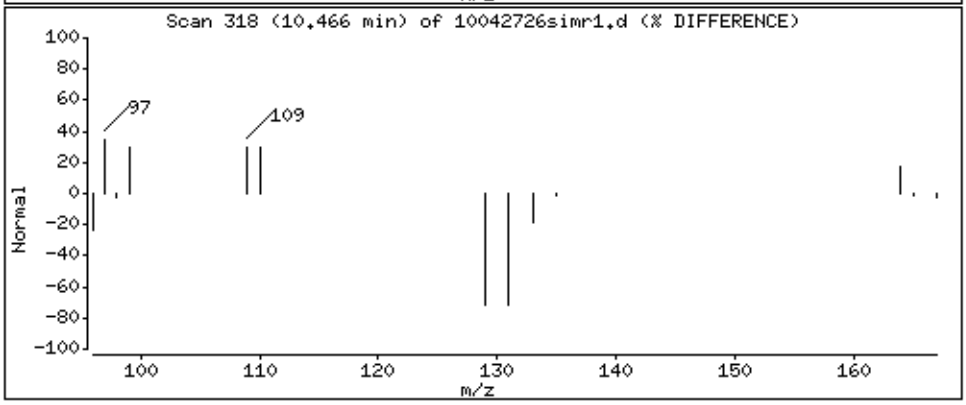












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

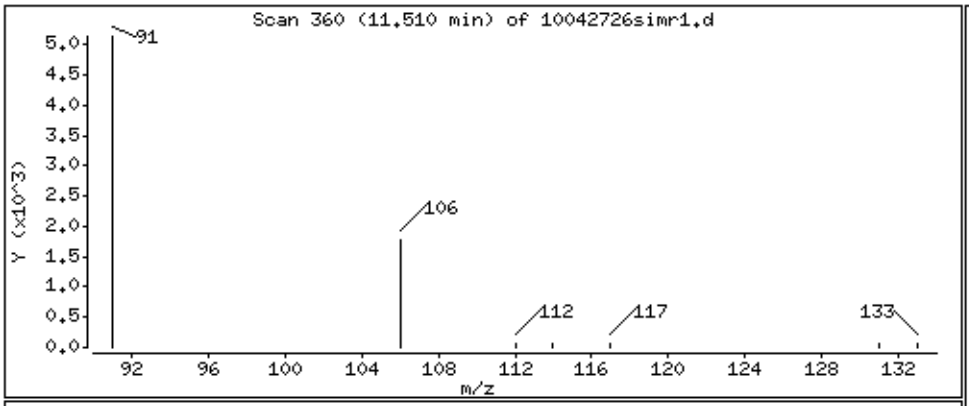
Operator: gm

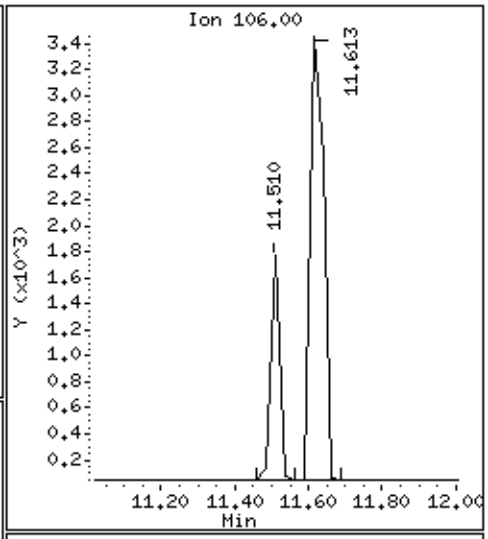
Column phase: DB-5.625

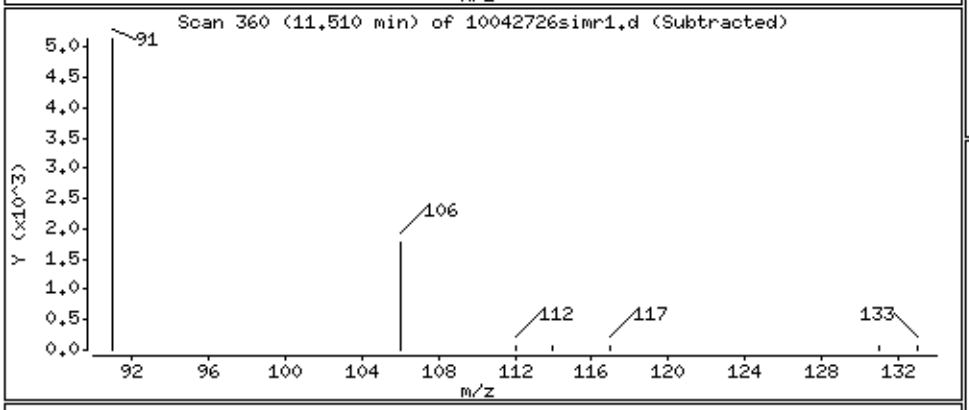
Column diameter: 0.25

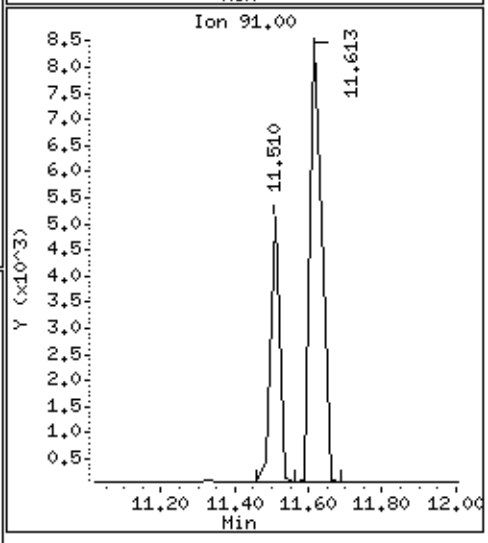
33 Ethylbenzene-CCC

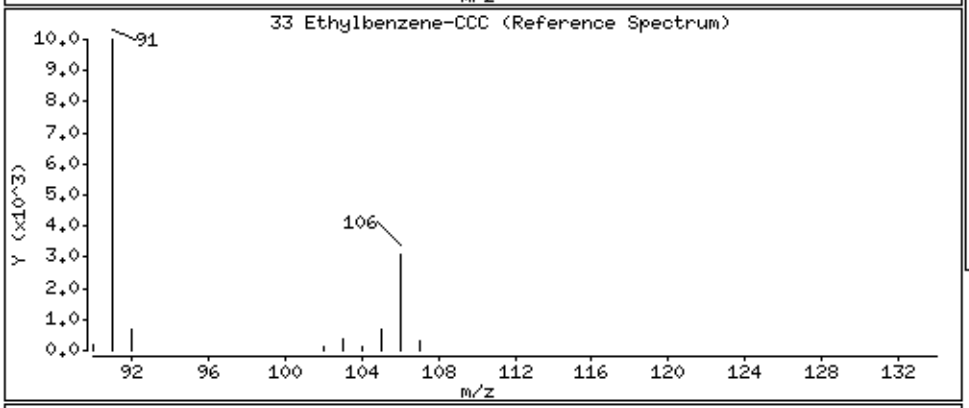
Concentration: 0.211832 ug

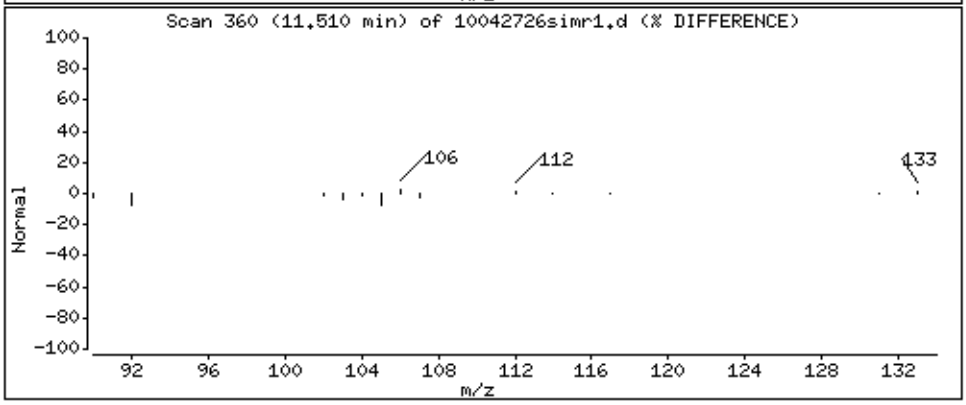












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

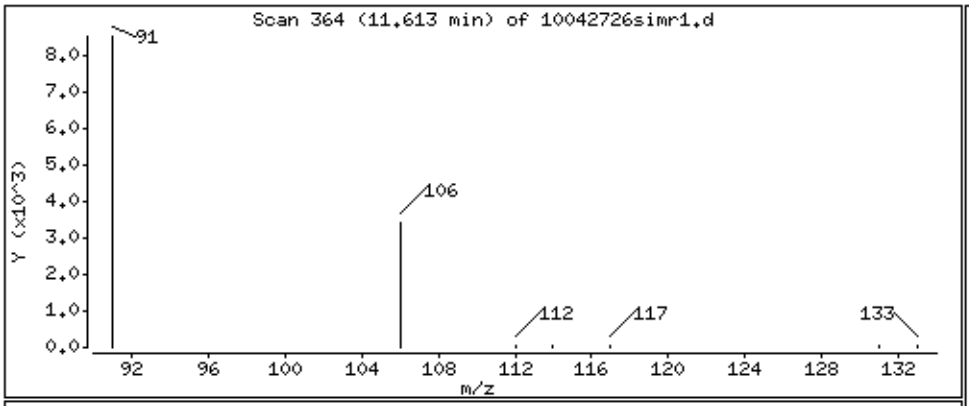
Operator: gm

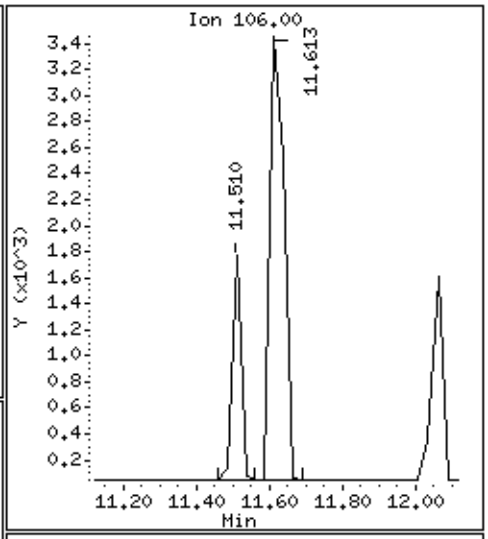
Column phase: DB-5.625

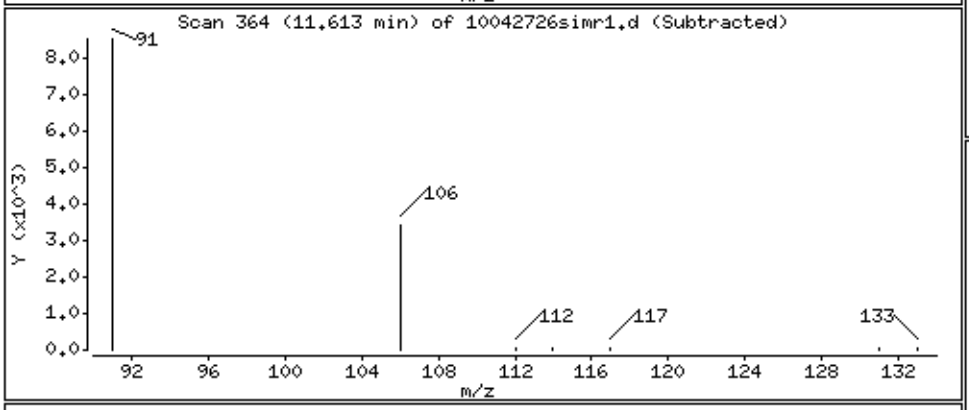
Column diameter: 0.25

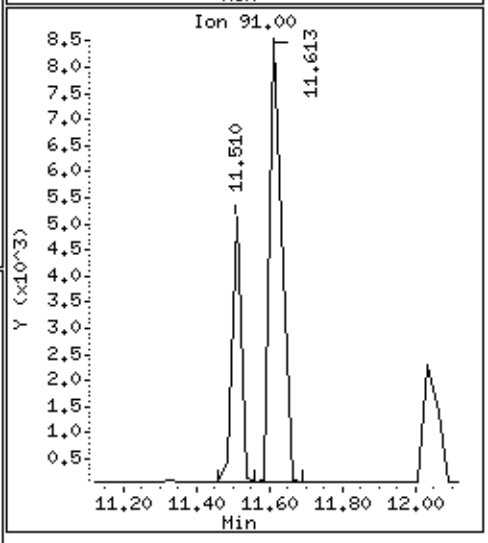
34 m,p-Xylene

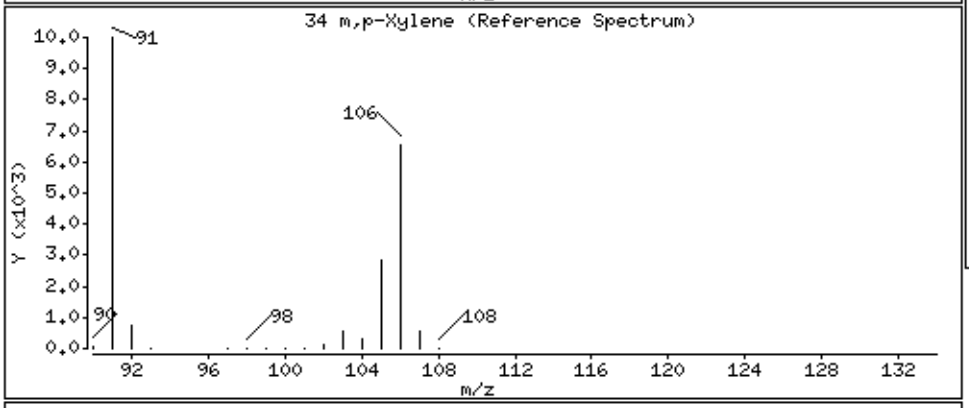
Concentration: 0.647770 ug

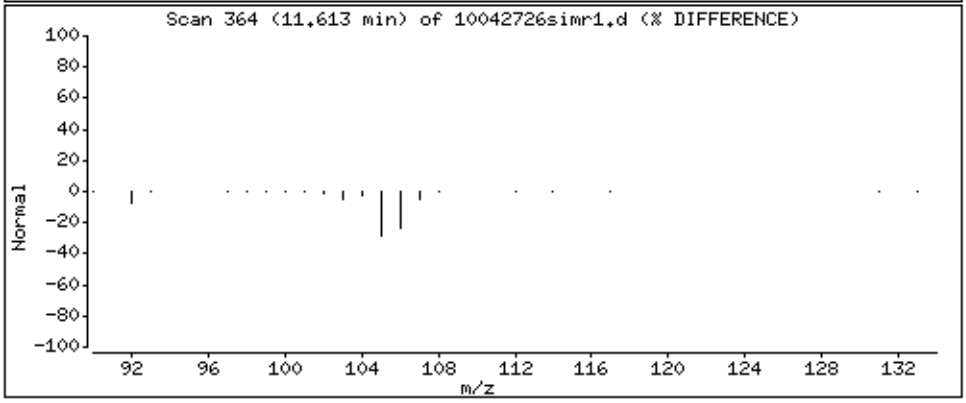












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

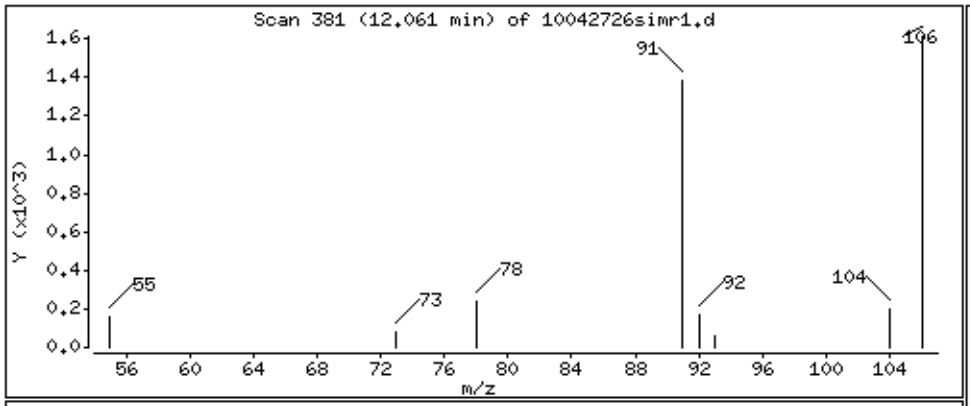
Operator: gm

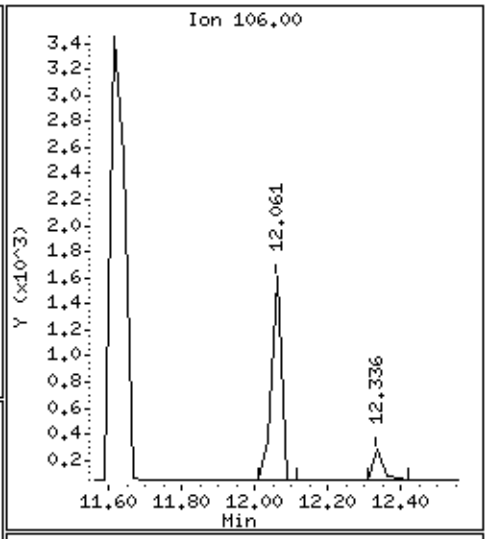
Column phase: DB-5.625

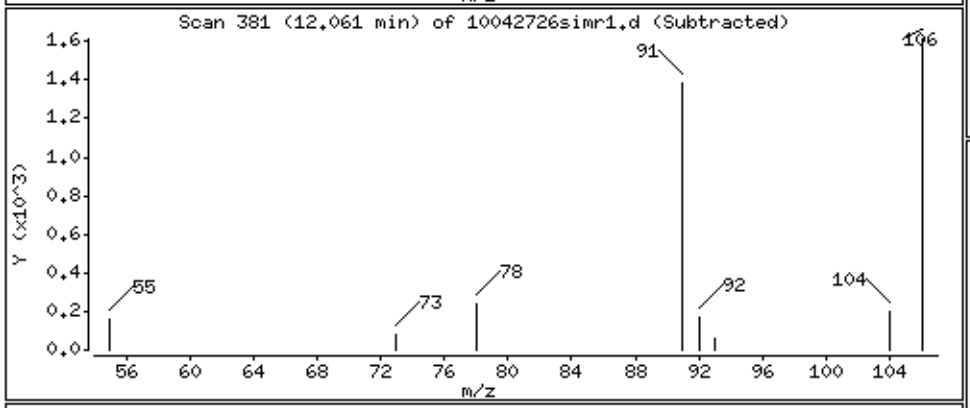
Column diameter: 0.25

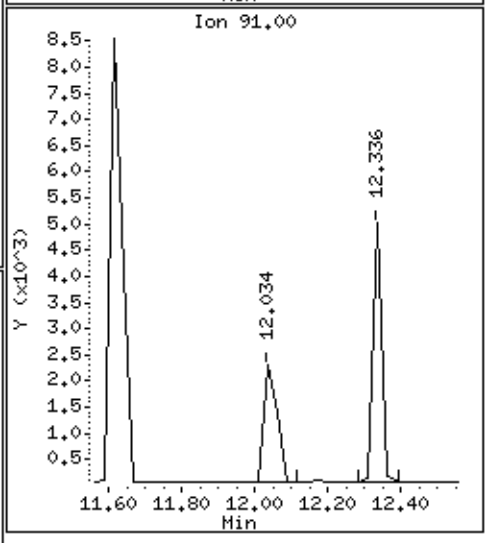
36 o-Xylene

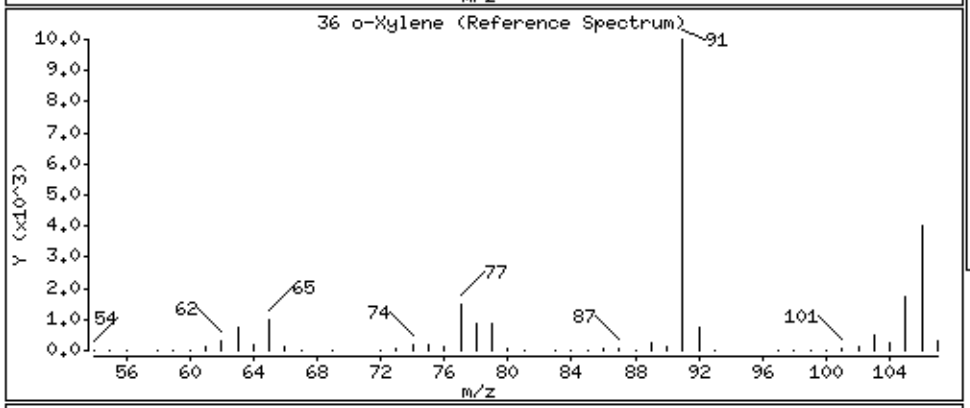
Concentration: 0.223460 ug

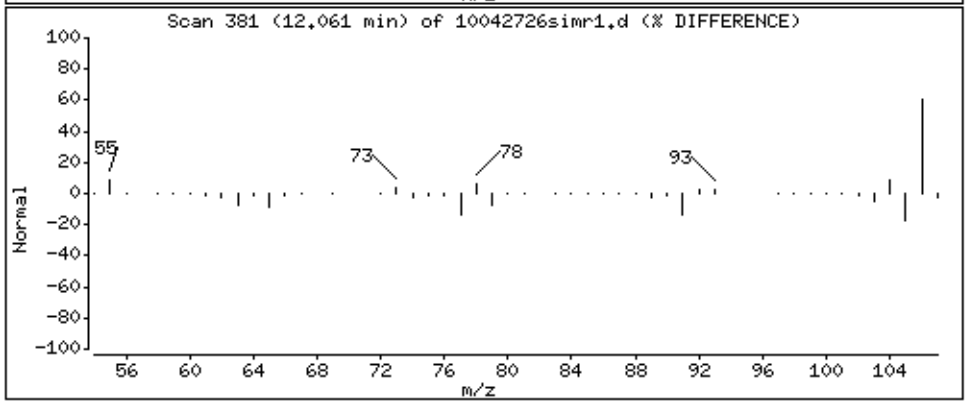












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

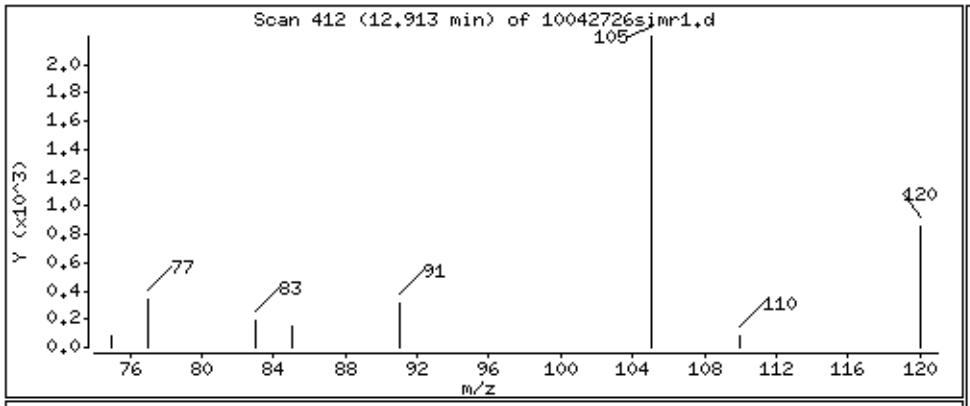
Operator: gm

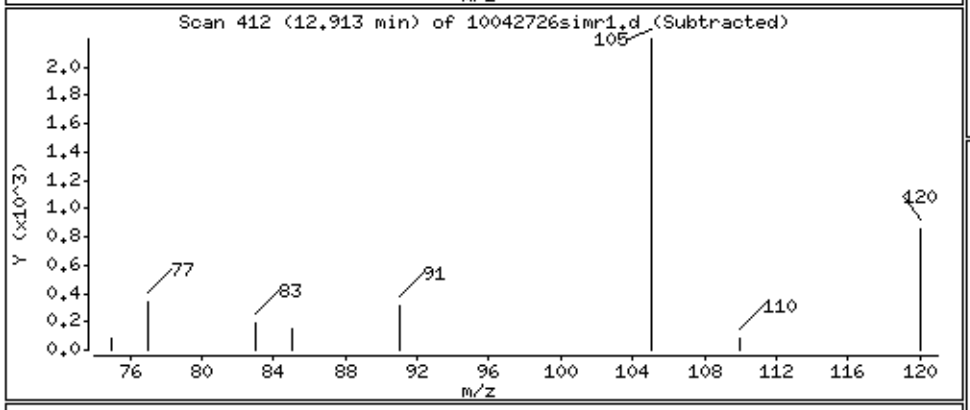
Column phase: DB-5.625

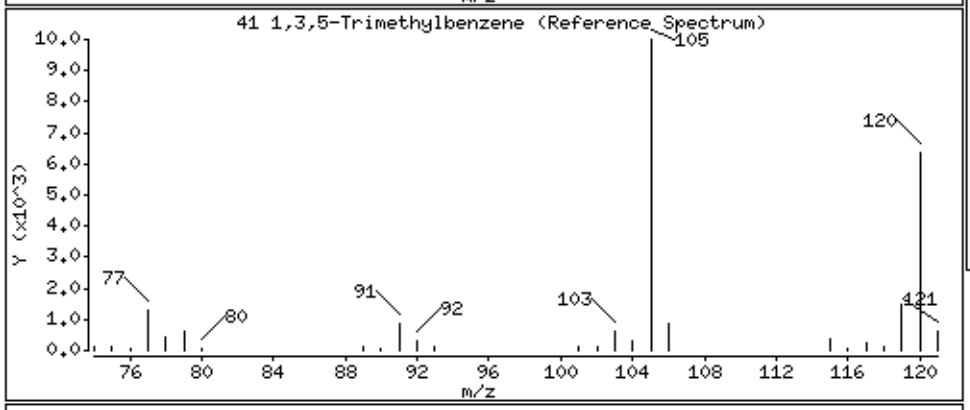
Column diameter: 0.25

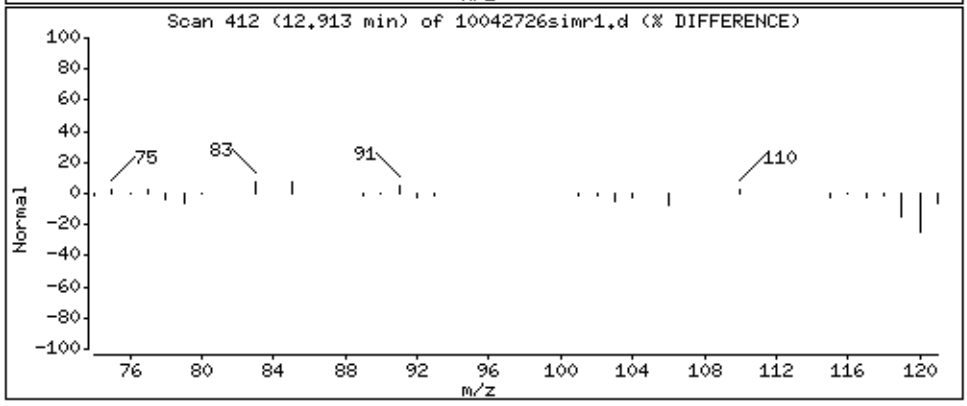
41 1,3,5-Trimethylbenzene

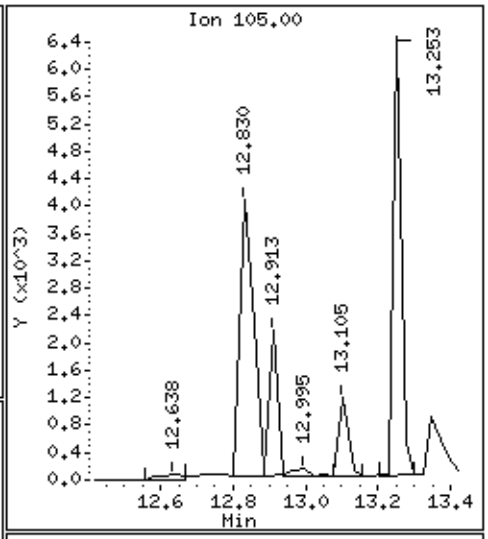
Concentration: 0.0826458 ug

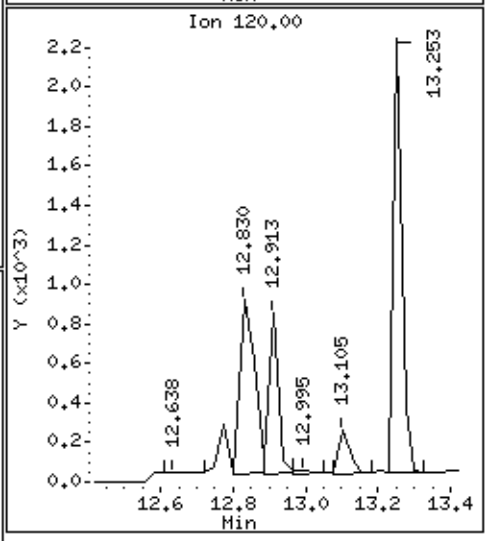












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

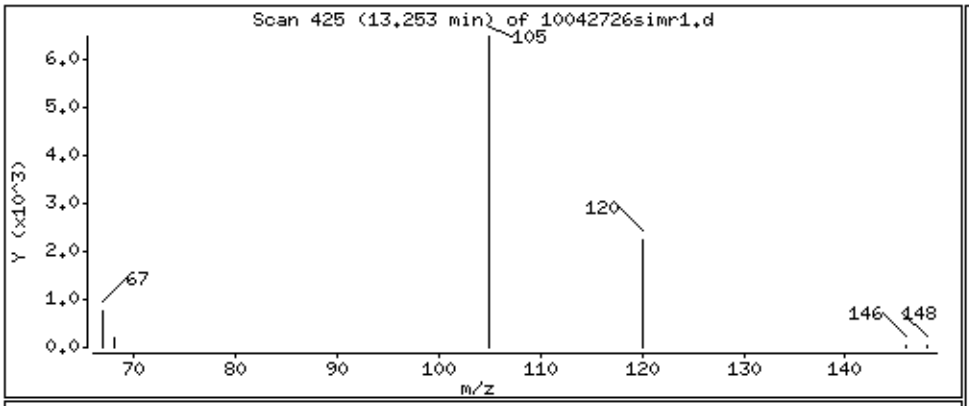
Operator: gm

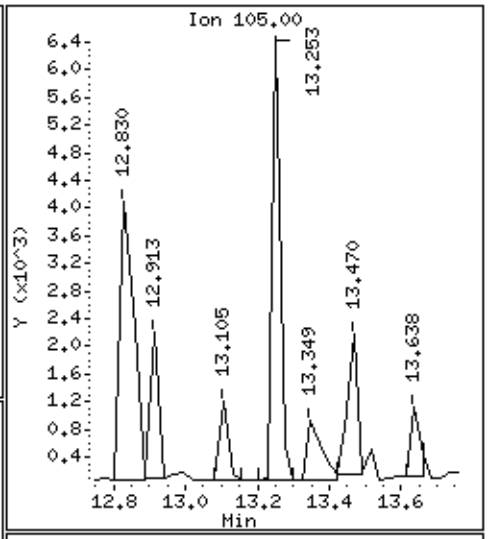
Column phase: DB-5.625

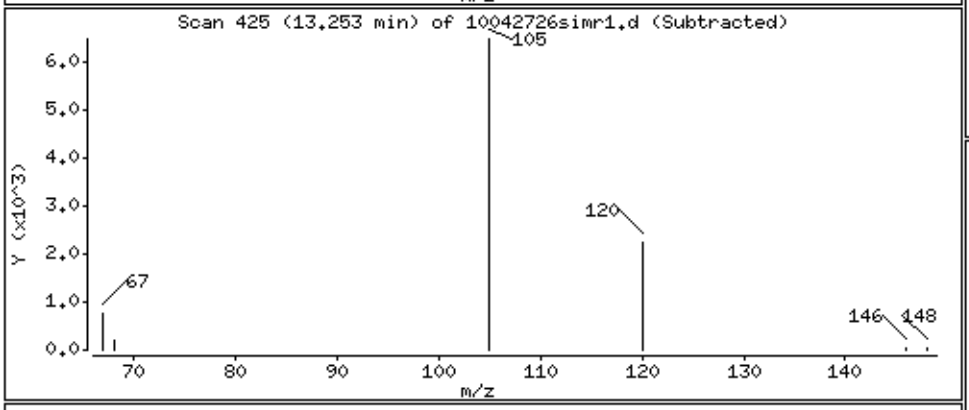
Column diameter: 0.25

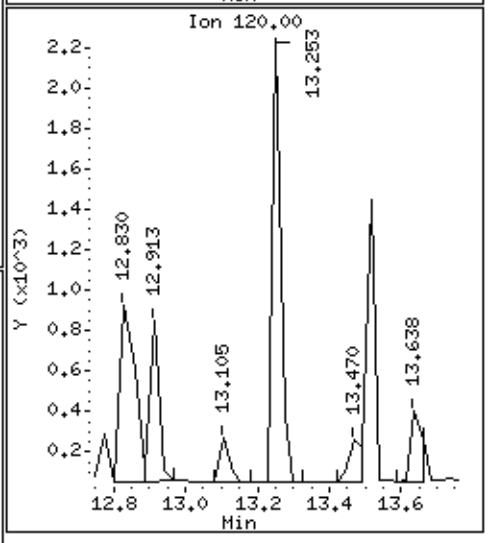
42 1,2,4-Trimethylbenzene

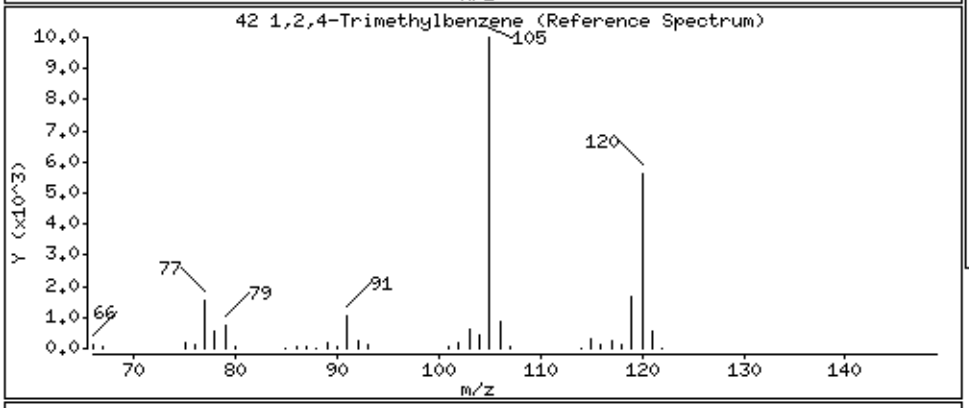
Concentration: 0.269177 ug

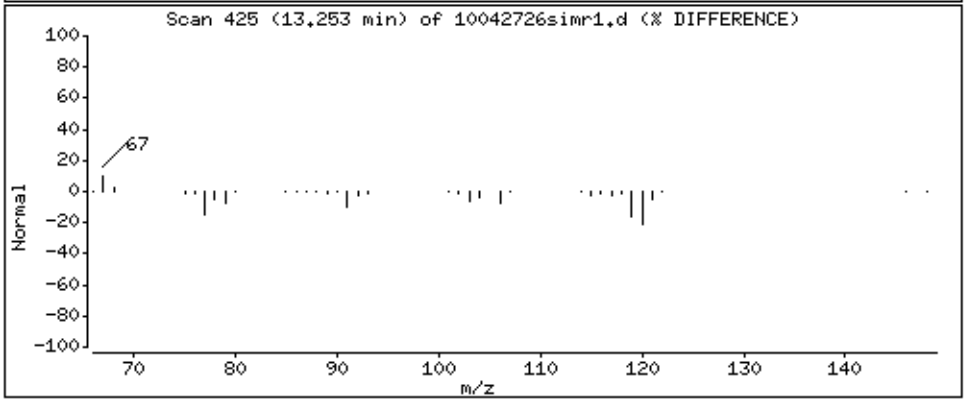












Data File: /chem/msd10.i/27Apr2015.b/10042726simr1.d

Date : 27-APR-2015 17:49

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-01A;

Volume Injected (uL): 1.0

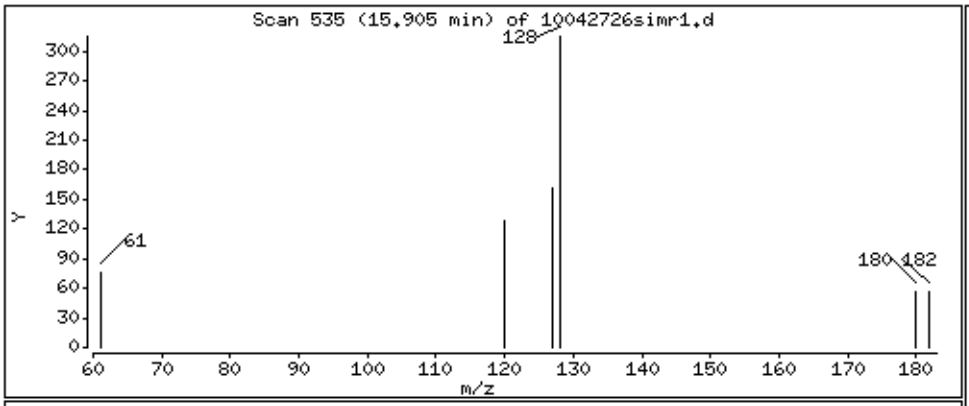
Operator: gm

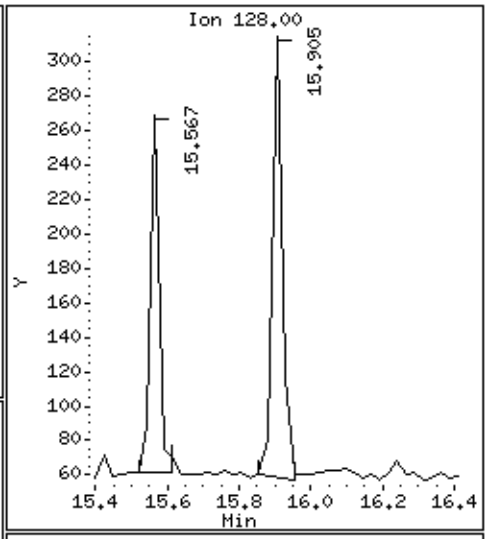
Column phase: DB-5.625

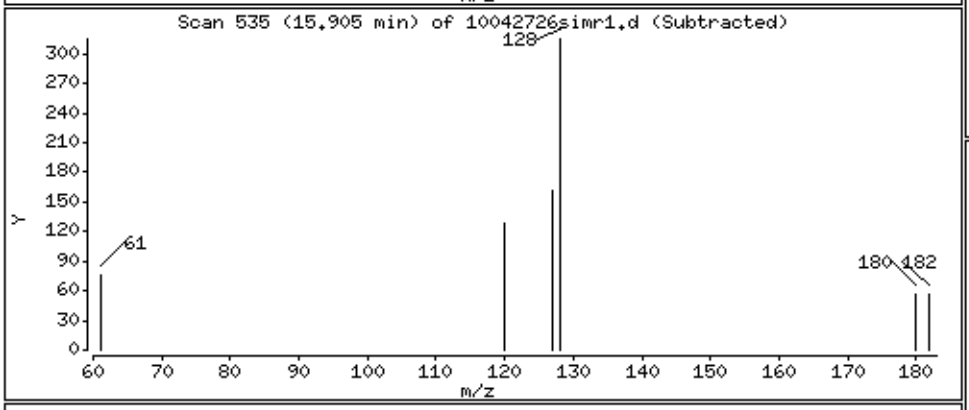
Column diameter: 0.25

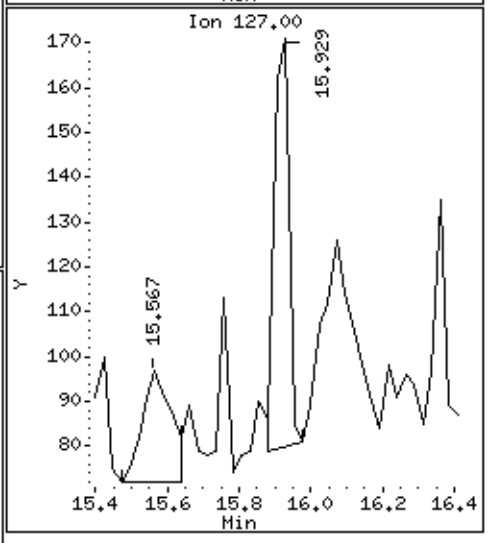
49 Naphthalene

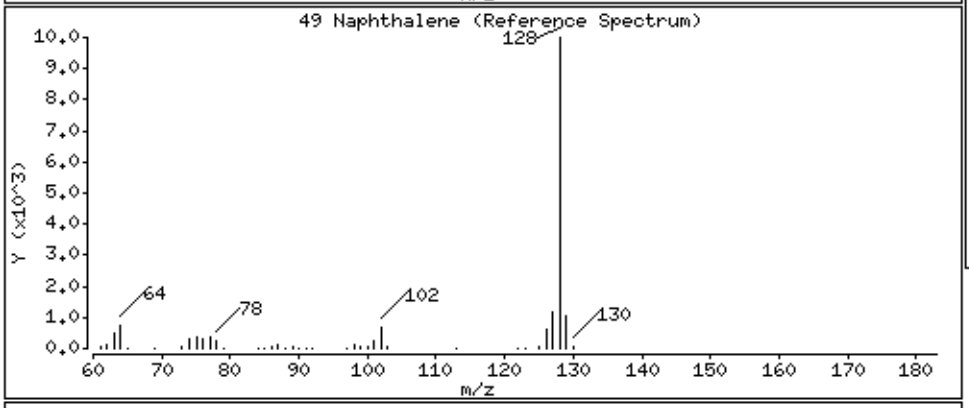
Concentration: 0.00842602 ug

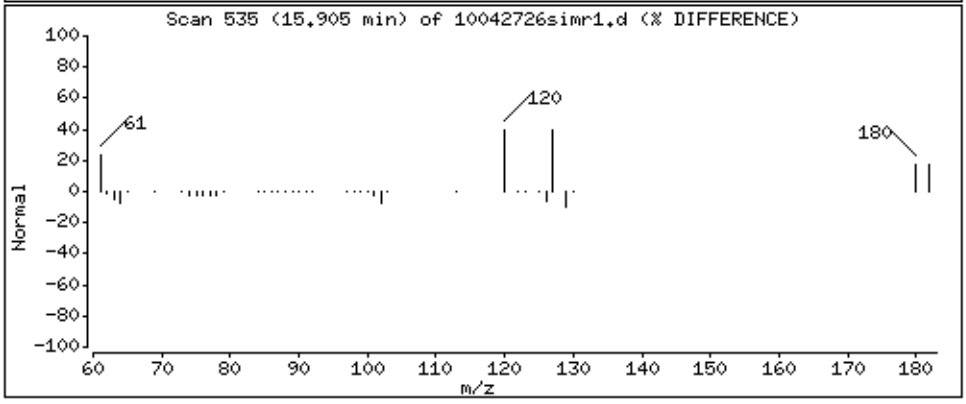












eurofins | Air Toxics

Client Sample ID: 764NP

Lab ID#: 1504459R1-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**10042727simr1**	**Date of Collection: 4/16/15 10:30:00 AM**
Dil. Factor:	**1.00**	**Date of Analysis: 4/27/15 06:12 PM**
		Date of Extraction: 4/27/15

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Benzene	0.40	0.50	0.63	0.78
1,2-Dichloroethane	0.10	0.13	0.053 J	0.068 J
Trichloroethene	0.10	0.14	0.048 J	0.070 J
Toluene	0.10	0.13	1.6	2.1
Tetrachloroethene	0.10	0.17	0.081 J	0.14 J
Ethyl Benzene	0.10	0.14	0.25	0.37
m,p-Xylene	0.10	0.14	0.74	1.0
o-Xylene	0.10	0.15	0.27	0.41
Naphthalene	0.10	0.40	0.014 J	0.055 J
1,1-Dichloroethane	0.10	0.16	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.52	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.20	0.34	0.68
1,3,5-Trimethylbenzene	0.10	0.19	0.097 CJ	0.18 CJ
Vinyl Chloride	0.40	0.44	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10095 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042727simr1.d
Lab Smp Id: 1504459R1-02A
Inj Date : 27-APR-2015 18:12
Operator : gm Inst ID: msd10.i
Smp Info : ;1504459R1-02A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 08-May-2015 15:50 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2	Vinyl Chloride	62	Compound Not Detected.					
4	1,1-Dichloroethene-CCC	96	Compound Not Detected.					
8	trans-1,2-Dichloroethene	96	Compound Not Detected.					
11	1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
14	cis-1,2-Dichloroethene	96	Compound Not Detected.					
17	1,1,1-Trichloroethane	97	Compound Not Detected.					
19	Benzene	78	7.938	7.938	(0.782)	14054	0.31567	0.631333
20	1,2-Dichloroethane	62	8.000	7.999	(0.788)	501	0.02633	0.0526620(aM)
22	Trichloroethene	130	8.562	8.562	(0.843)	339	0.02422	0.0484362(aM)
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	252020	5.07117	10.1423
28	Toluene-CCC	92	9.912	9.912	(0.976)	33769	0.80183	1.60366
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	275029	5.00000	
30	1,1,2-Trichloroethane	97	Compound Not Detected.					
31	Tetrachloroethene	164	10.466	10.466	(1.031)	543	0.04066	0.0813220(a)
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	3662	0.12673	0.253456
34	m,p-Xylene	106	11.613	11.613	(1.144)	11147	0.36875	0.737504

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
36 o-Xylene	106	12.062	12.062	(1.188)	3996	0.13503	0.270056
41 1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	4635	0.04844	0.0968779(a)
42 1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	13803	0.17289	0.345771
49 Naphthalene	128	15.905	15.905	(1.567)	873	0.00693	0.0138659(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042727simr1.d
Lab Smp Id: 1504459R1-02A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	275029	27.26

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 13-Jul-2015 12:28

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 27Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504459R1-02A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 26 Toluene-d8	10.0000	10.1423	101.42	70-130

Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

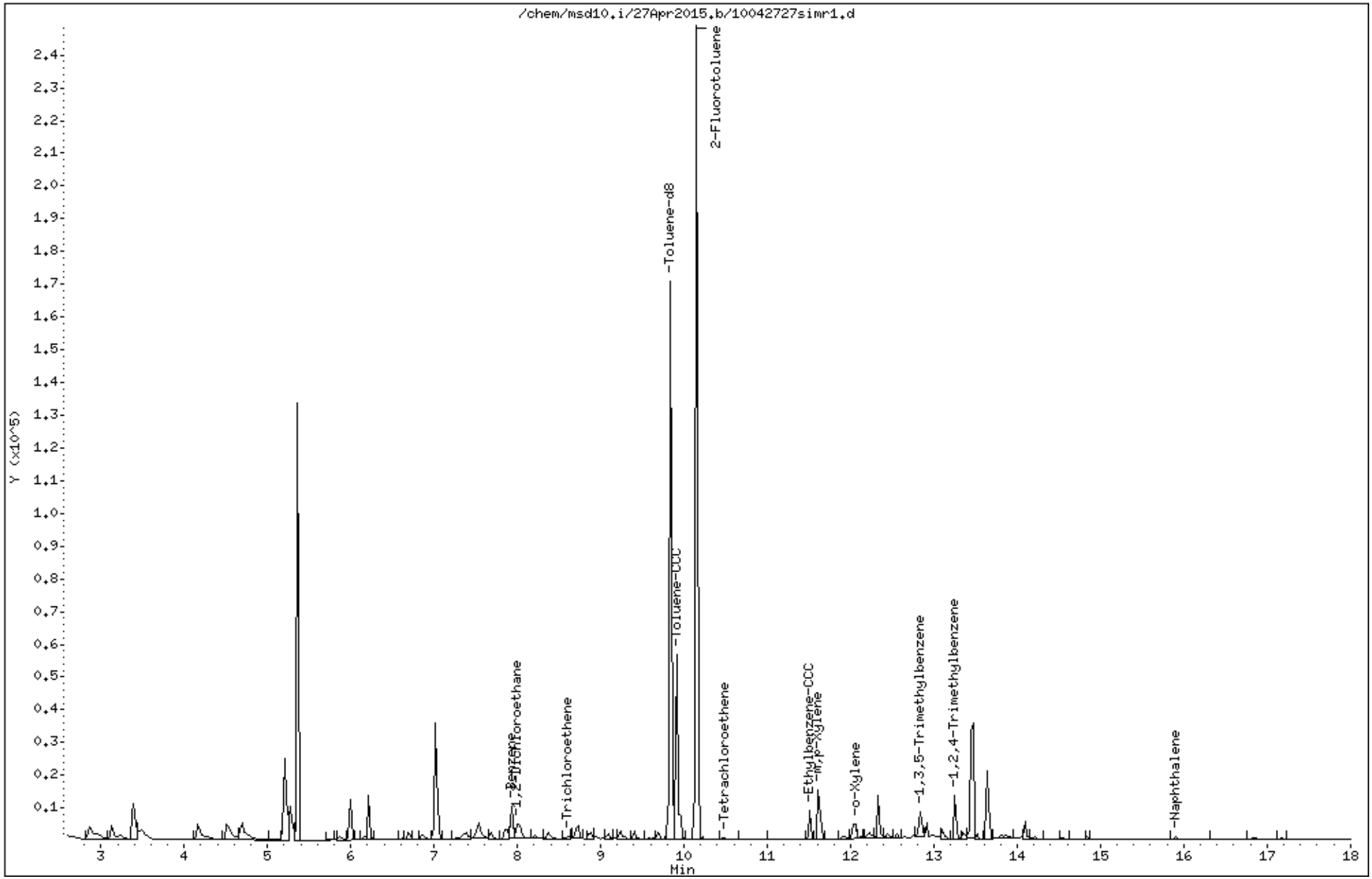
Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

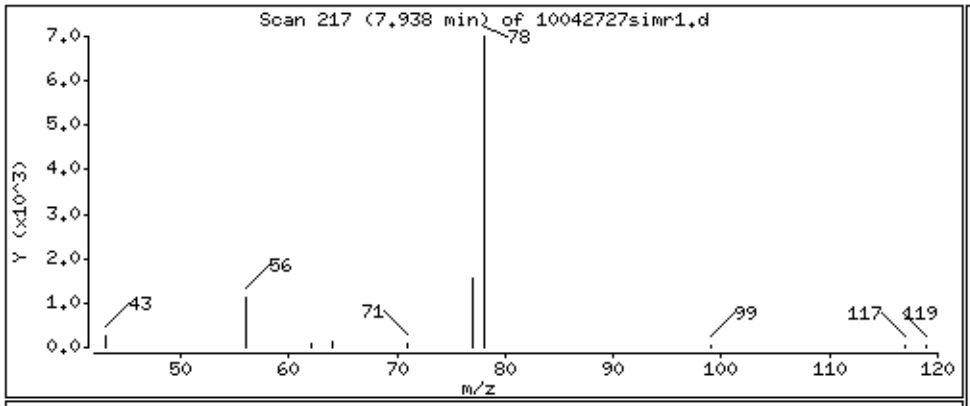
Operator: gm

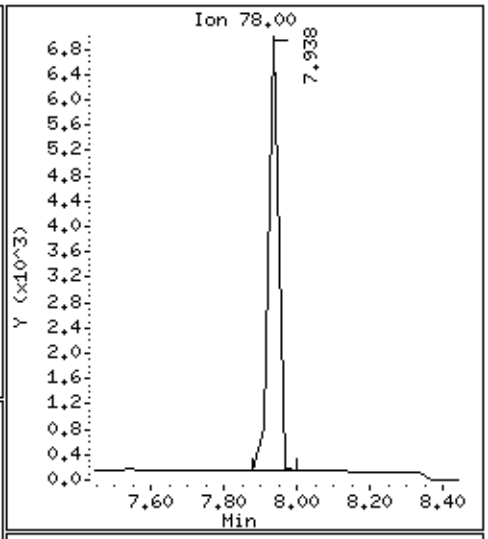
Column phase: DB-5.625

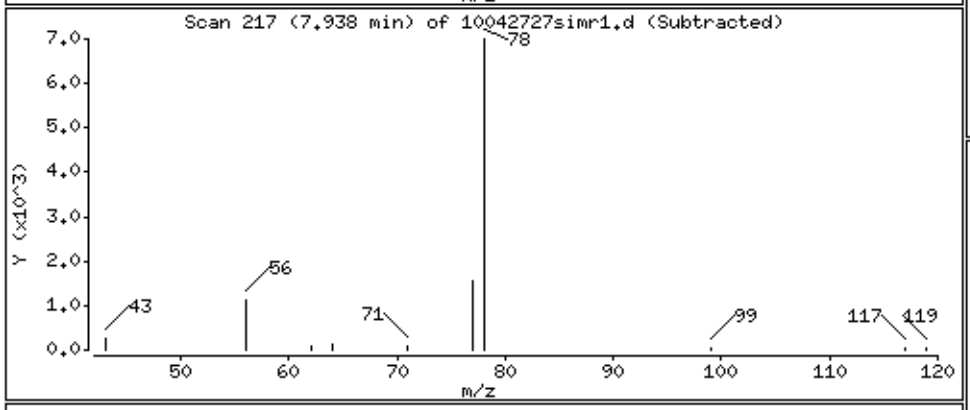
Column diameter: 0.25

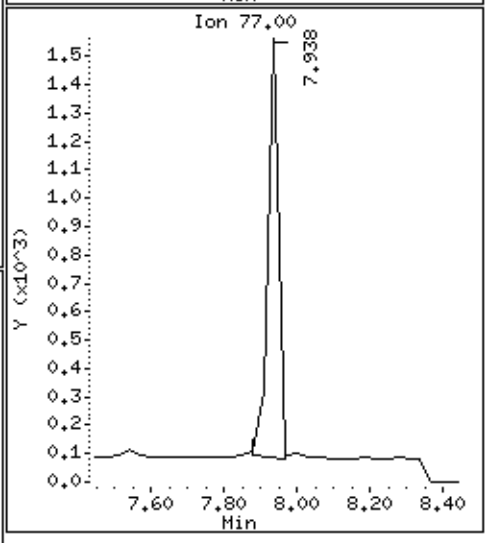
19 Benzene

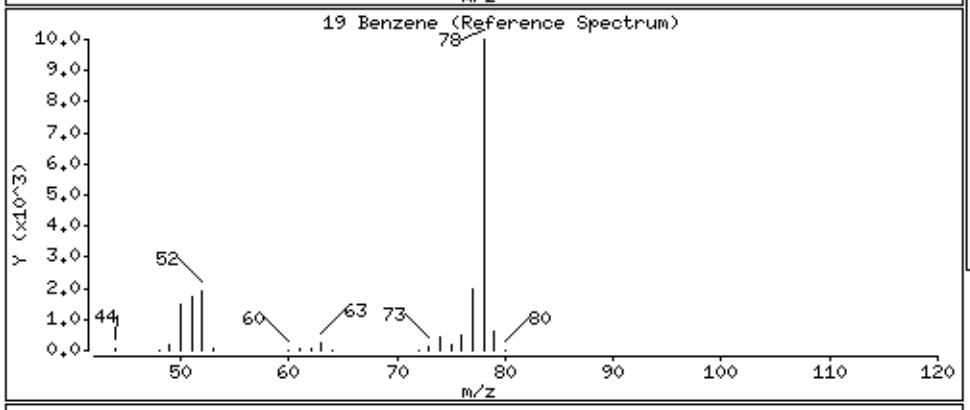
Concentration: 0.631333 ug

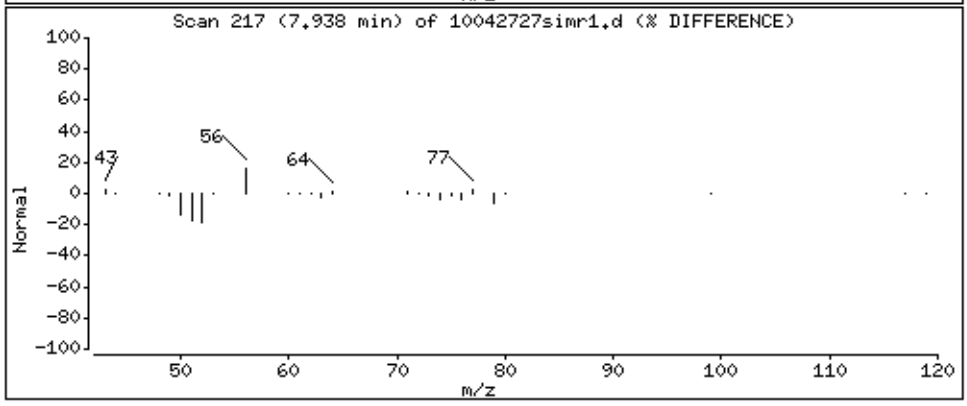












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

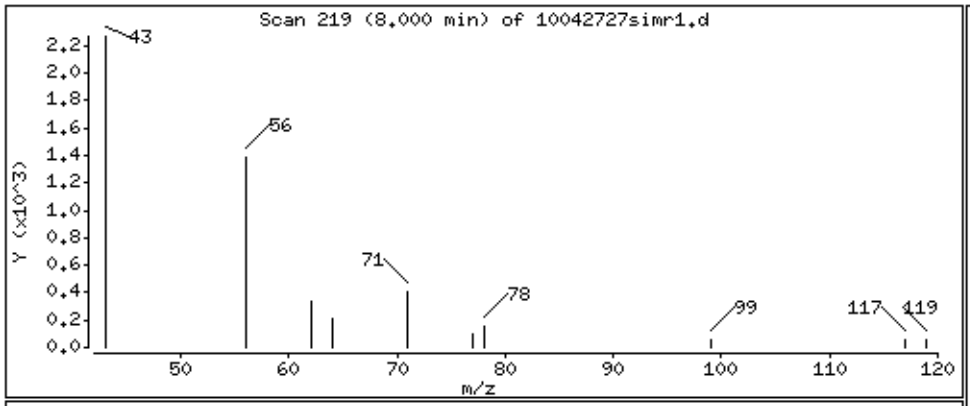
Operator: gm

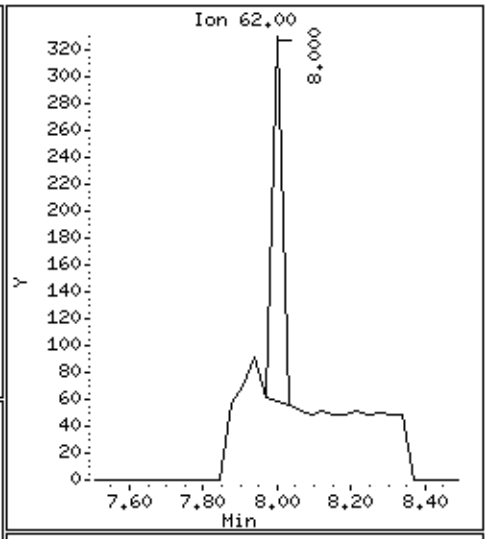
Column phase: DB-5.625

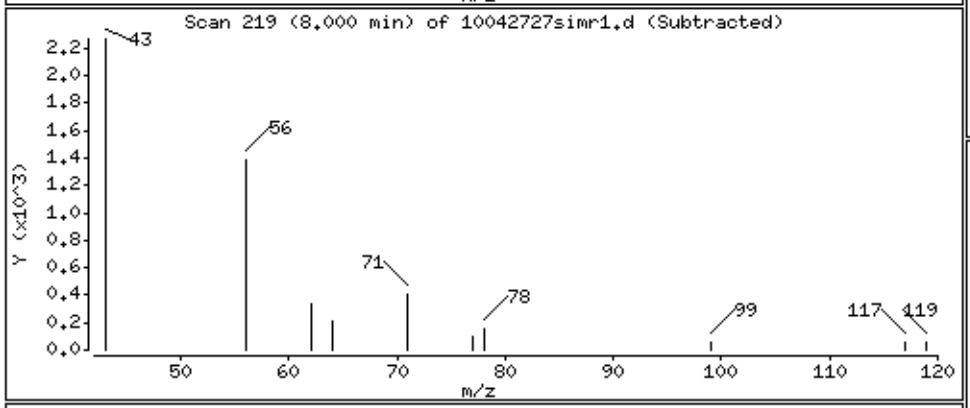
Column diameter: 0.25

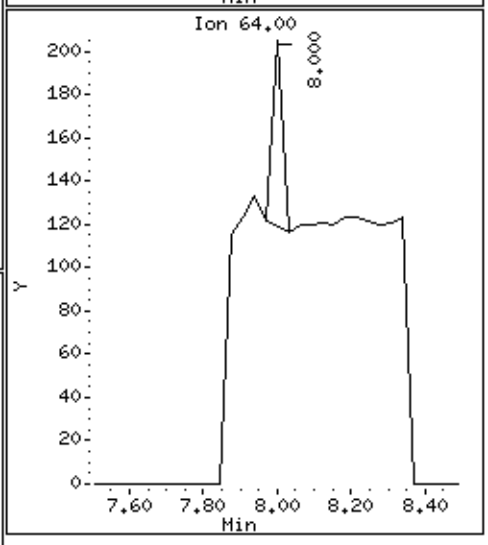
20 1,2-Dichloroethane

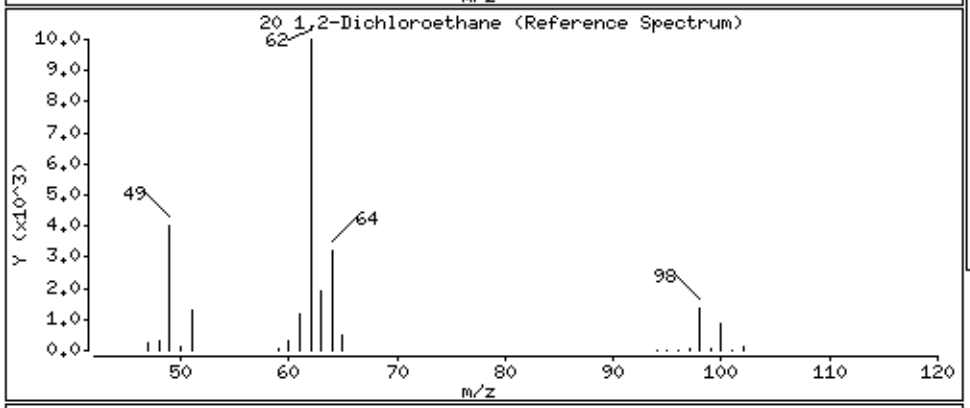
Concentration: 0.0526620 ug

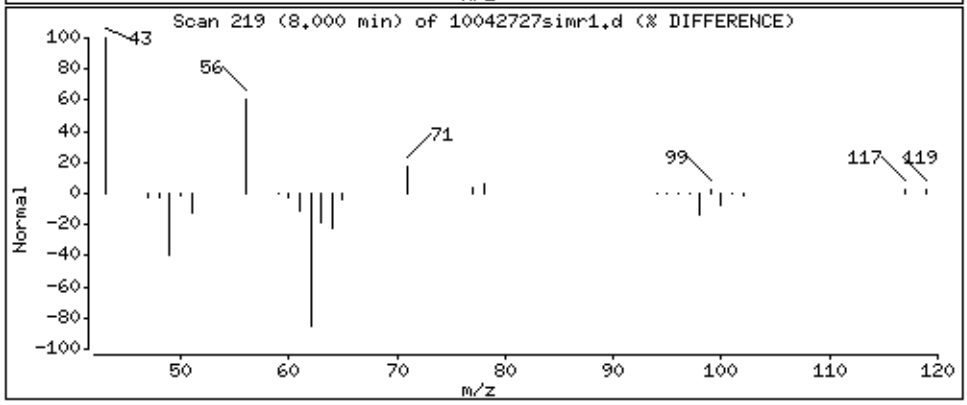












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

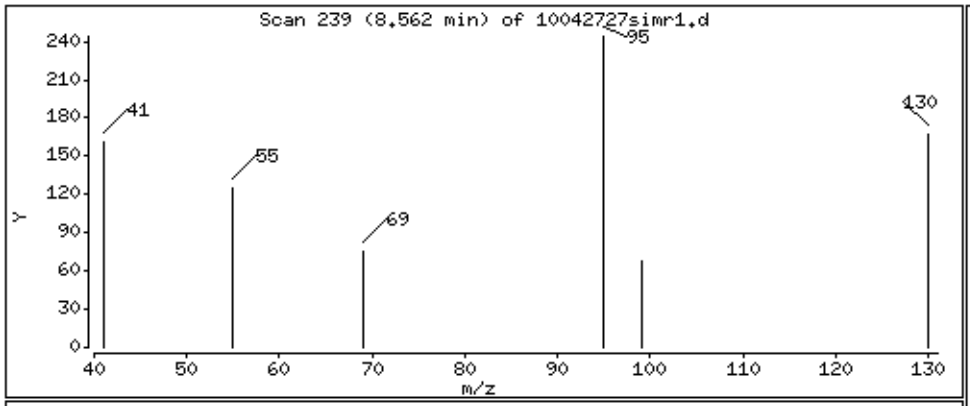
Operator: gm

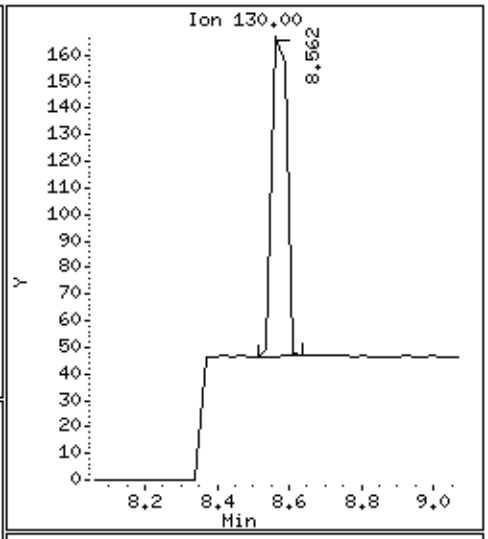
Column phase: DB-5.625

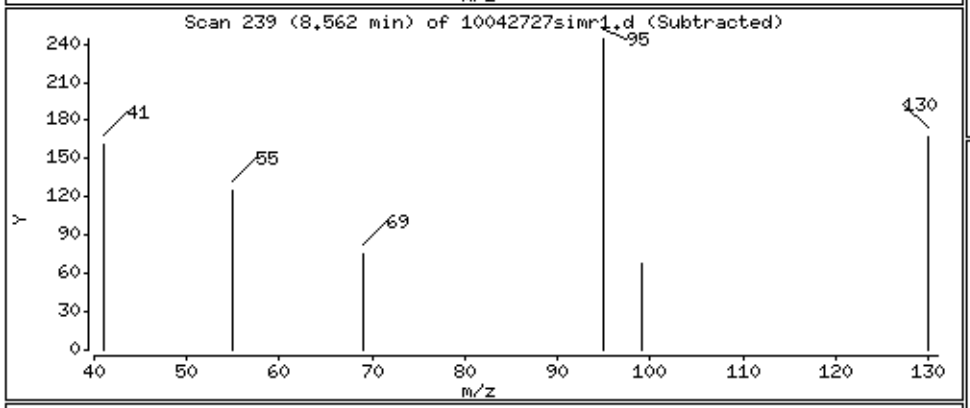
Column diameter: 0.25

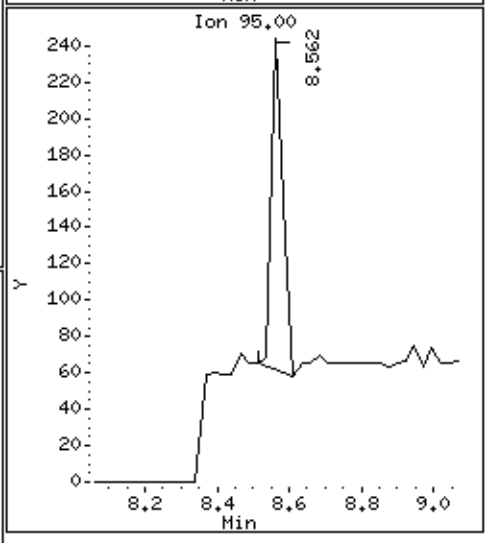
22 Trichloroethene

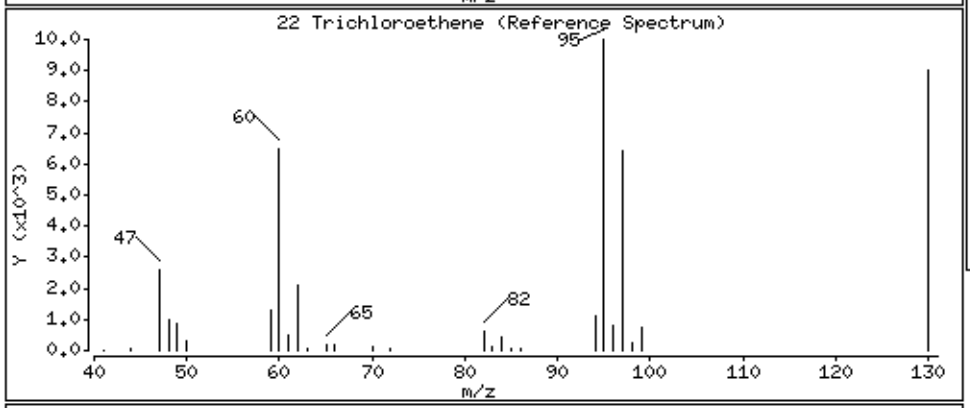
Concentration: 0.0484362 ug

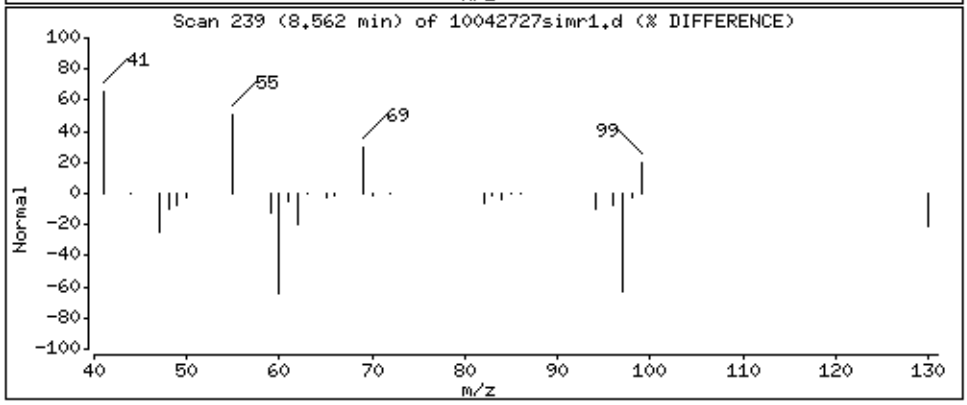












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

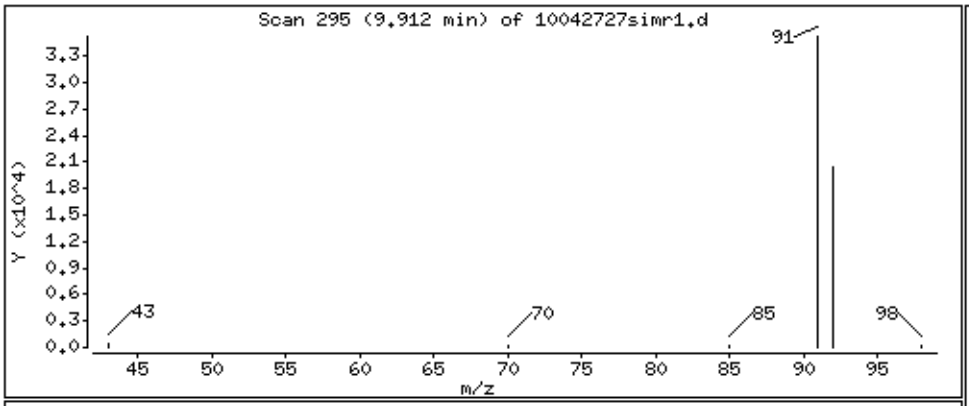
Operator: gm

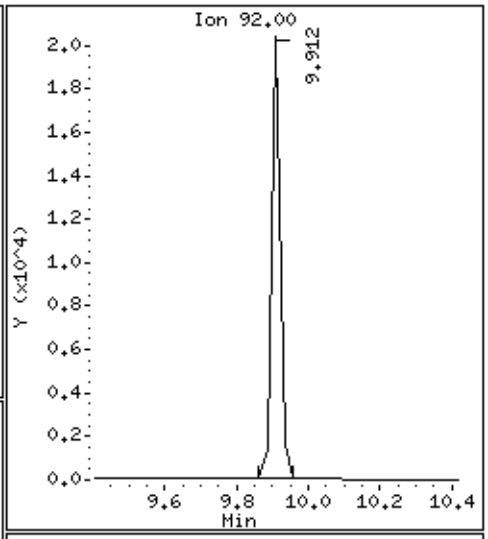
Column phase: DB-5.625

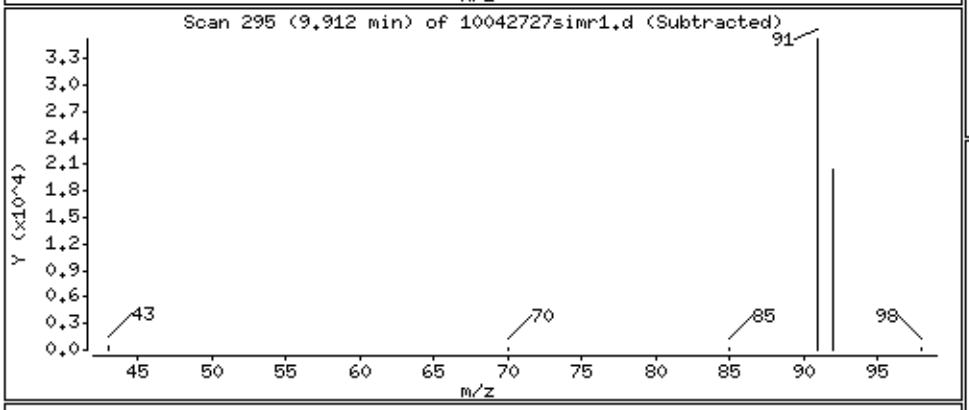
Column diameter: 0.25

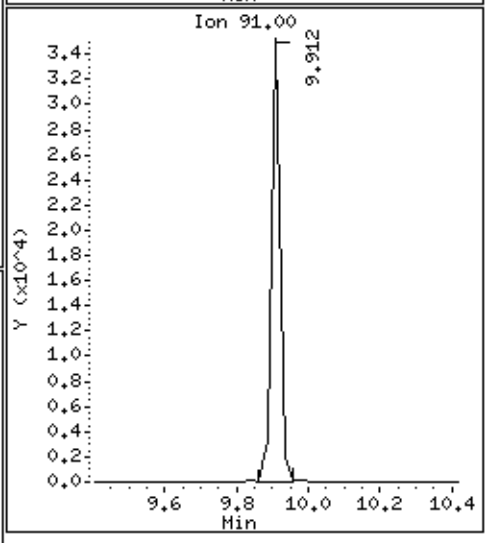
28 Toluene-CCC

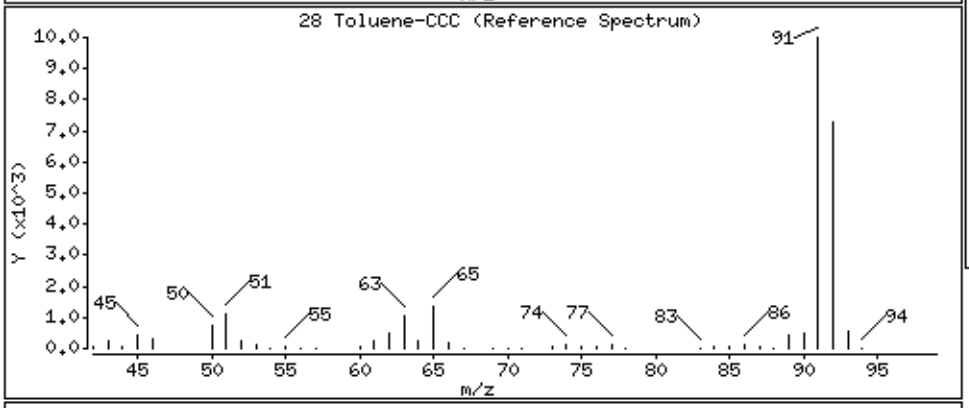
Concentration: 1.60366 ug

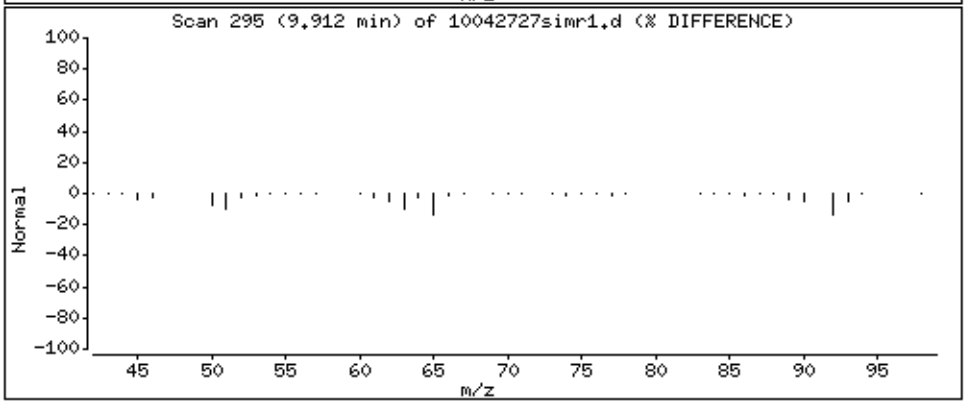












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

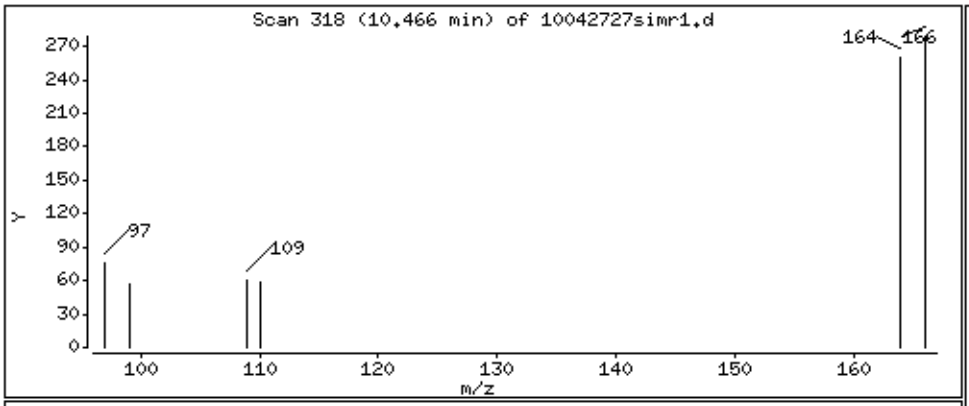
Operator: gm

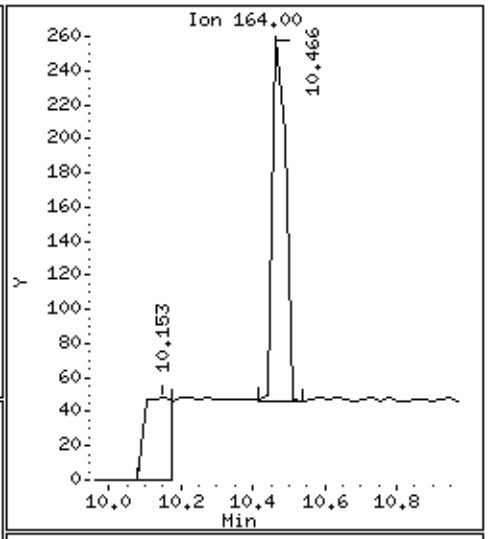
Column phase: DB-5.625

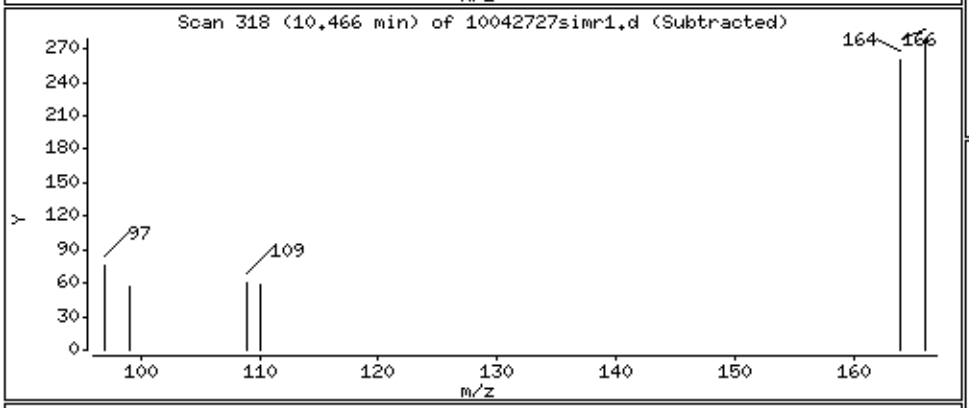
Column diameter: 0.25

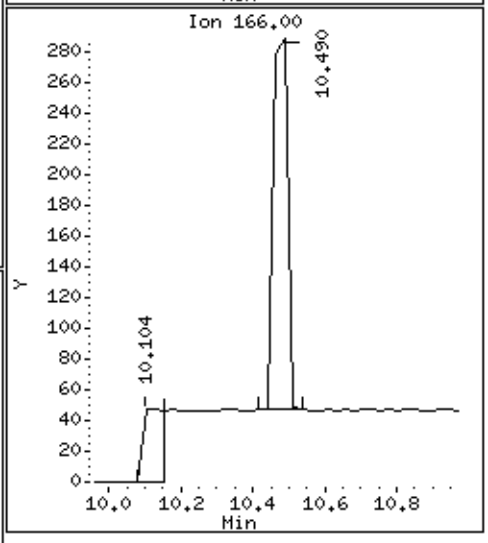
31 Tetrachloroethene

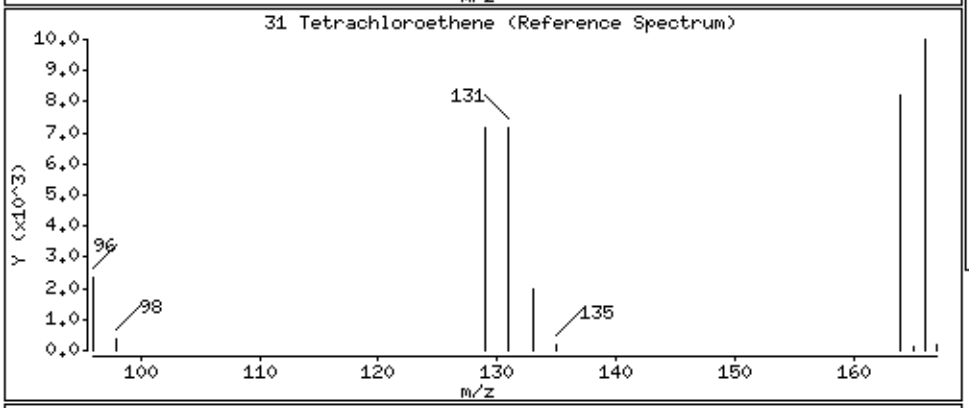
Concentration: 0.0813220 ug

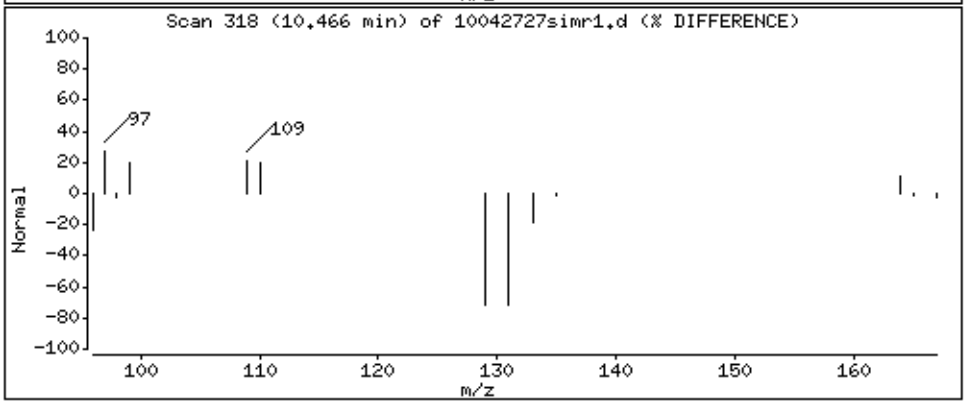












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

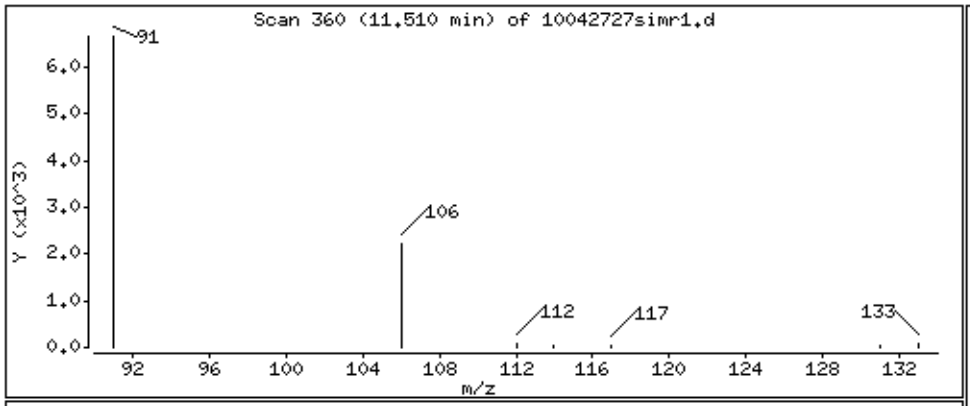
Operator: gm

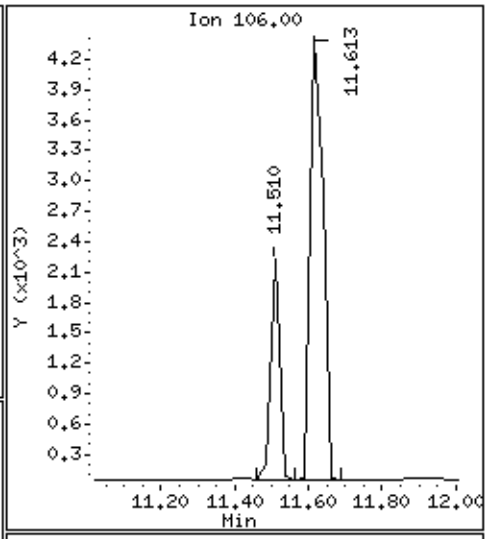
Column phase: DB-5.625

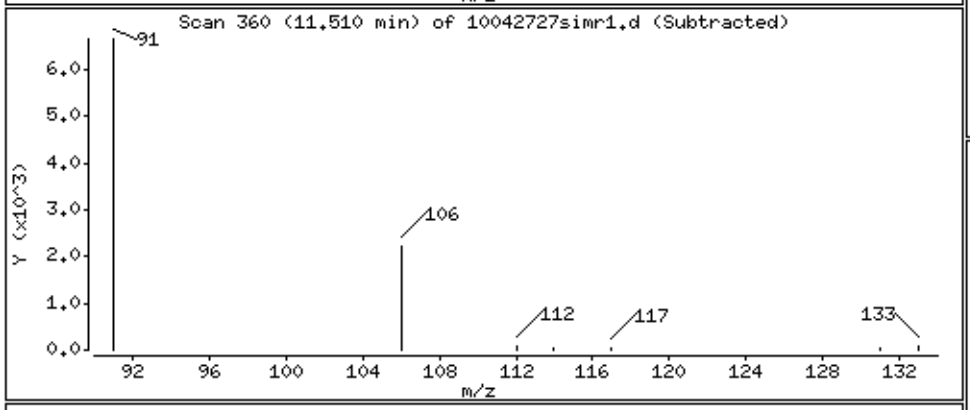
Column diameter: 0.25

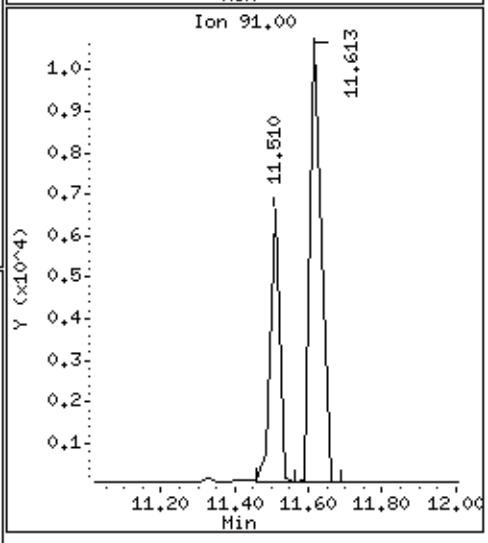
33 Ethylbenzene-CCC

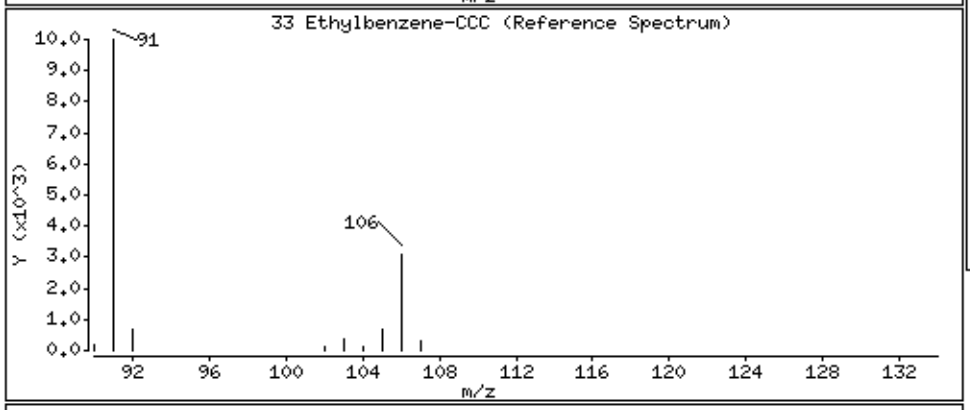
Concentration: 0.253456 ug

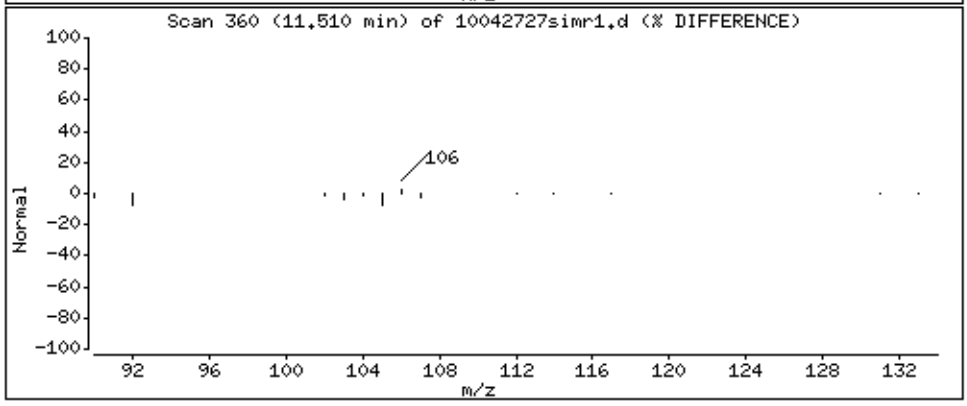












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

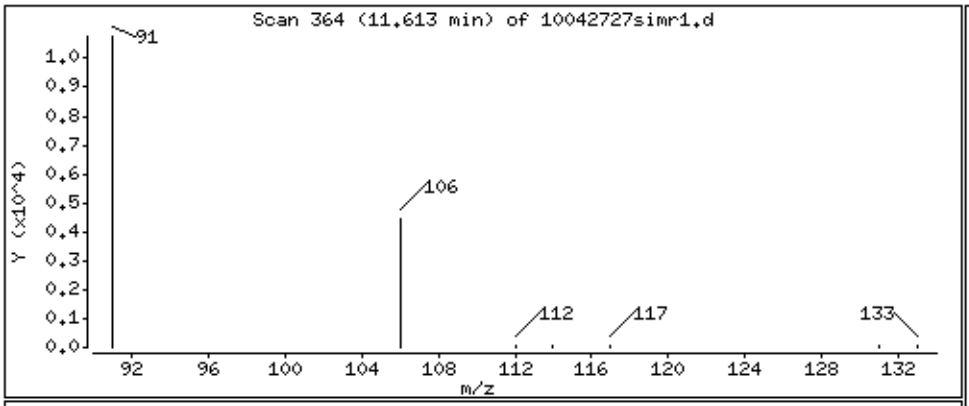
Operator: gm

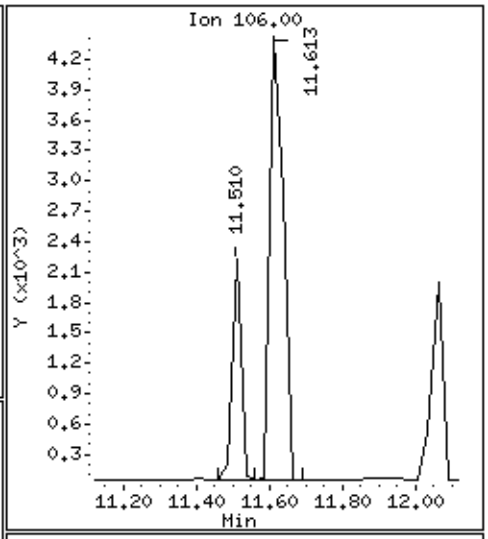
Column phase: DB-5.625

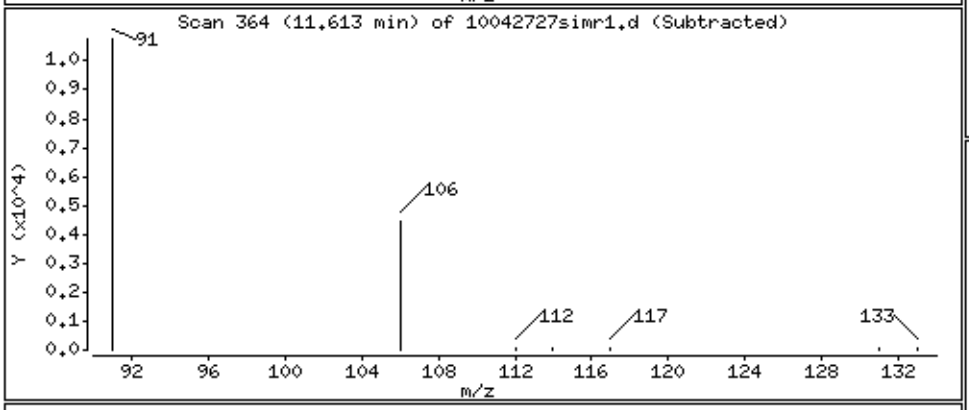
Column diameter: 0.25

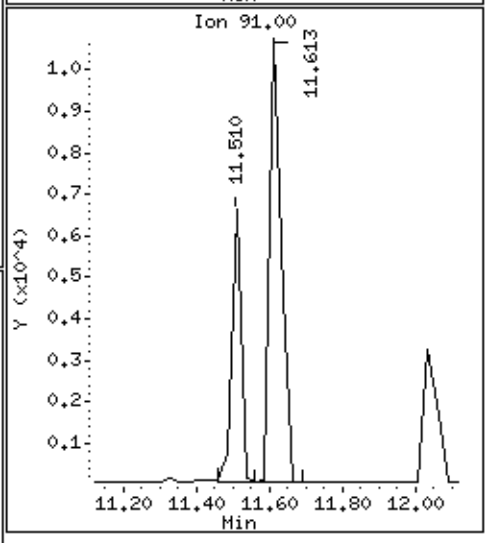
34 m,p-Xylene

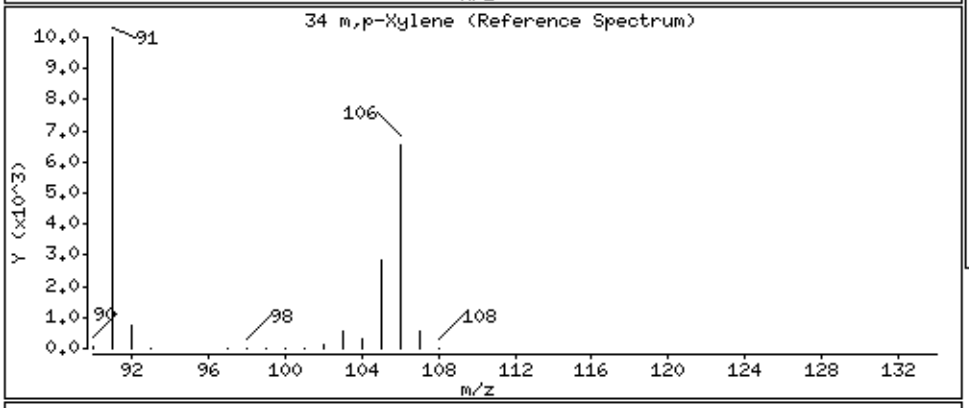
Concentration: 0.737504 ug

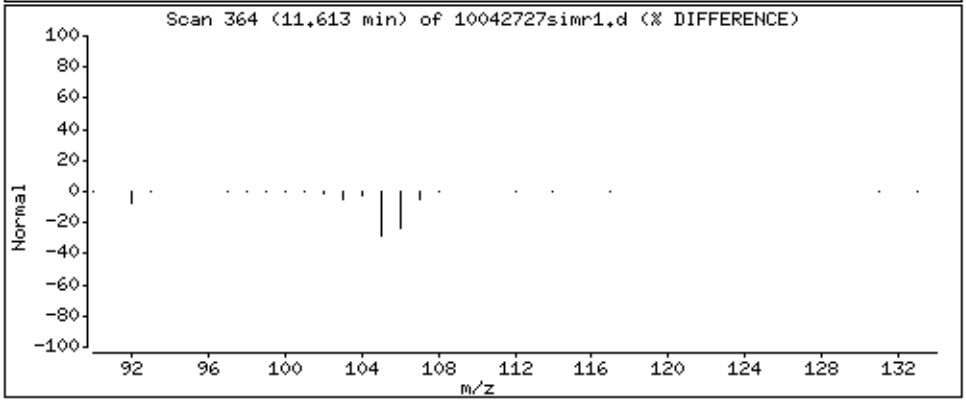












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

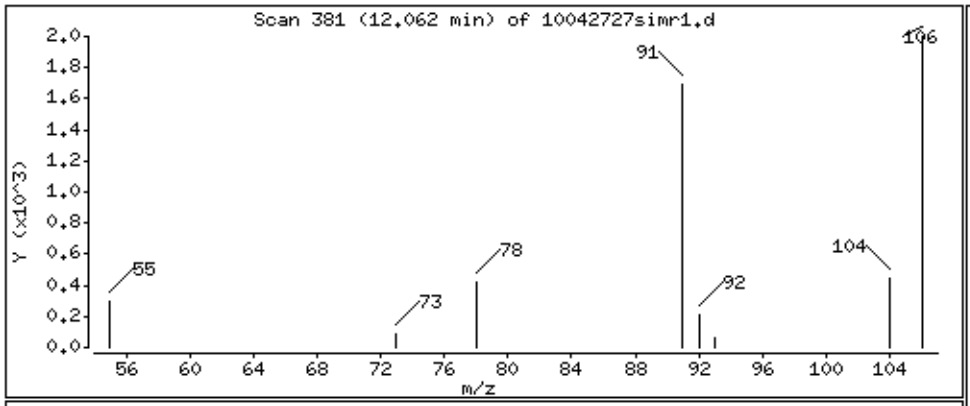
Operator: gm

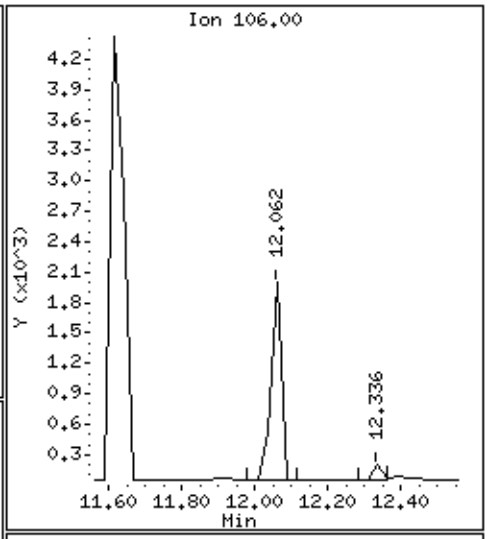
Column phase: DB-5.625

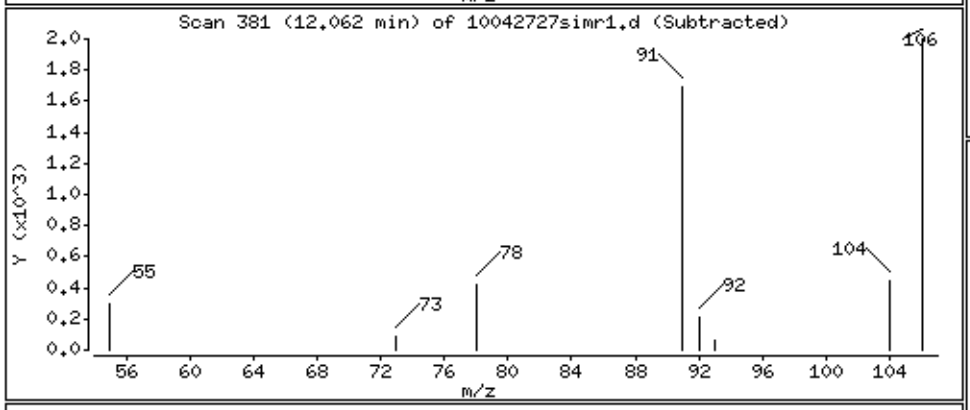
Column diameter: 0.25

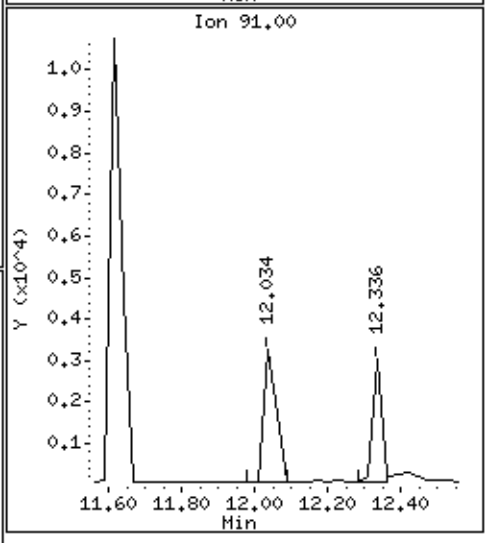
36 o-Xylene

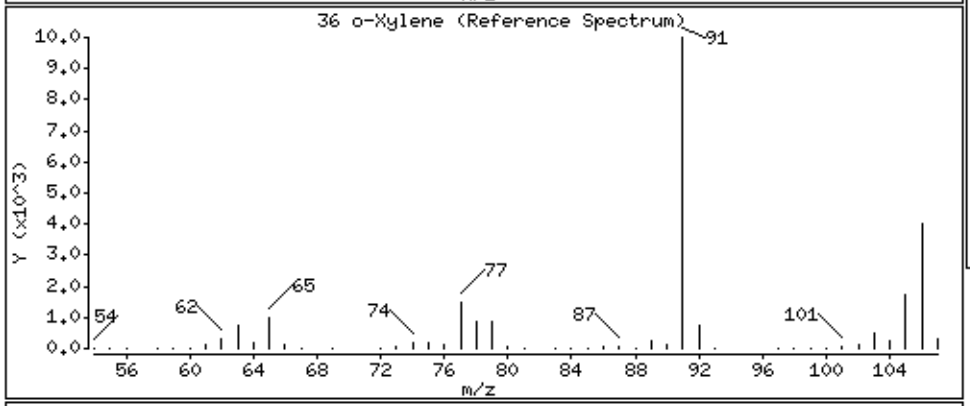
Concentration: 0.270056 ug

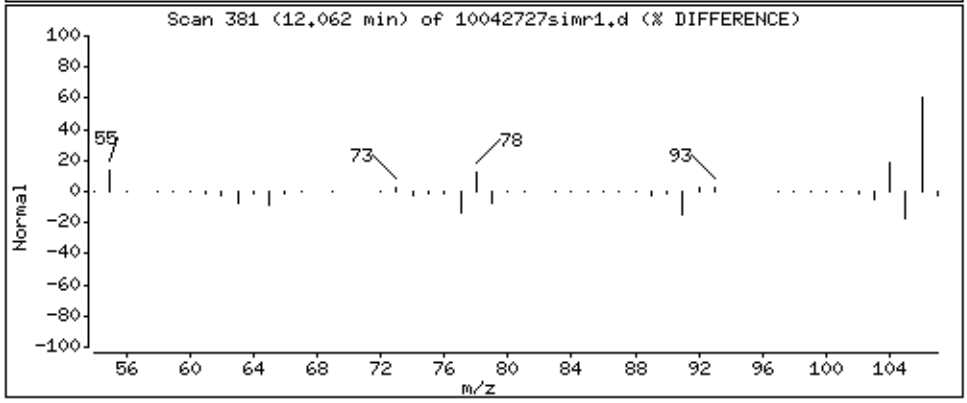












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

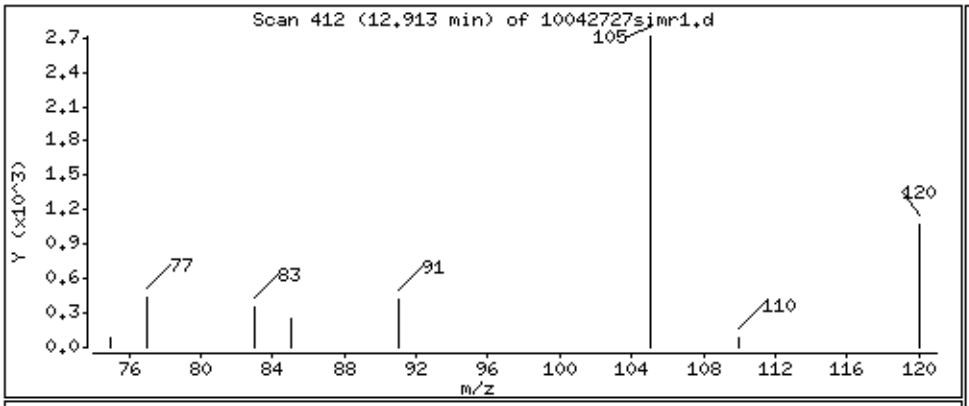
Operator: gm

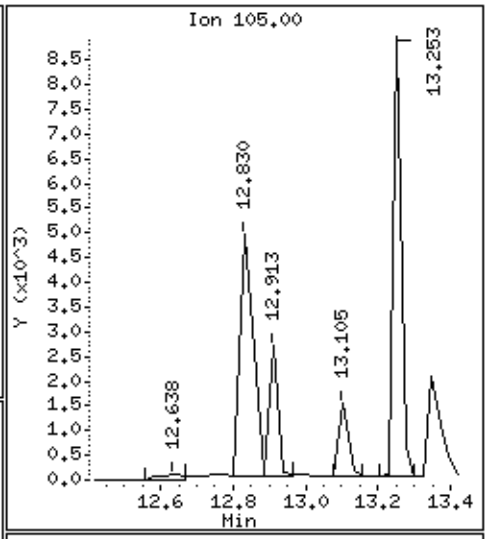
Column phase: DB-5.625

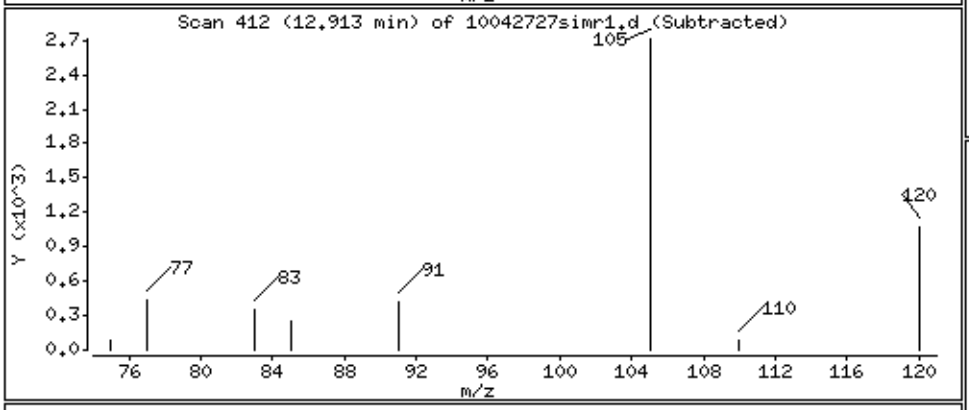
Column diameter: 0.25

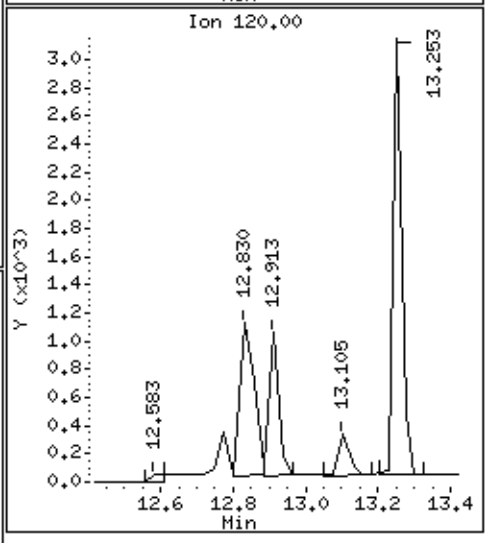
41 1,3,5-Trimethylbenzene

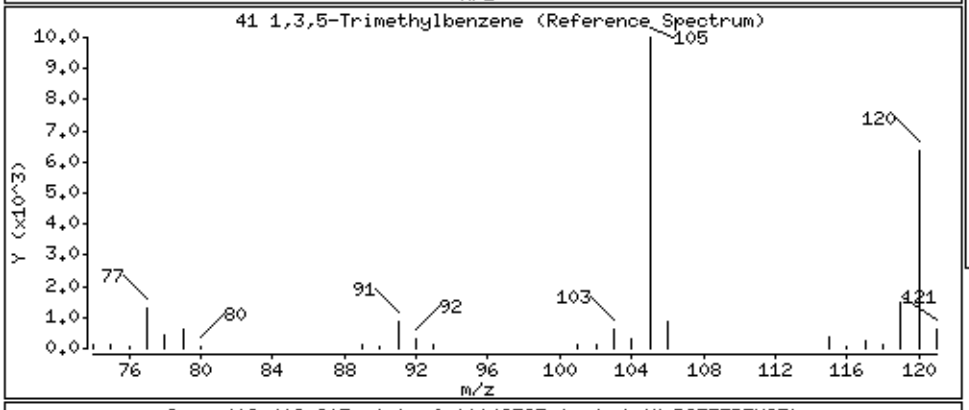
Concentration: 0.0968779 ug

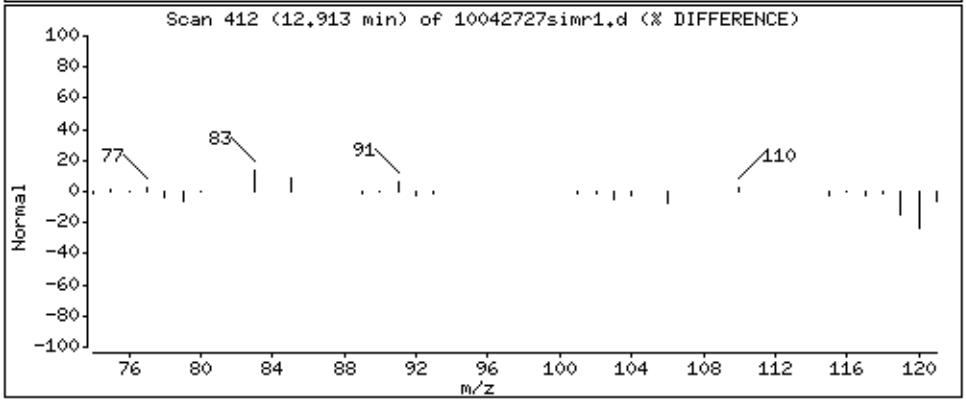












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

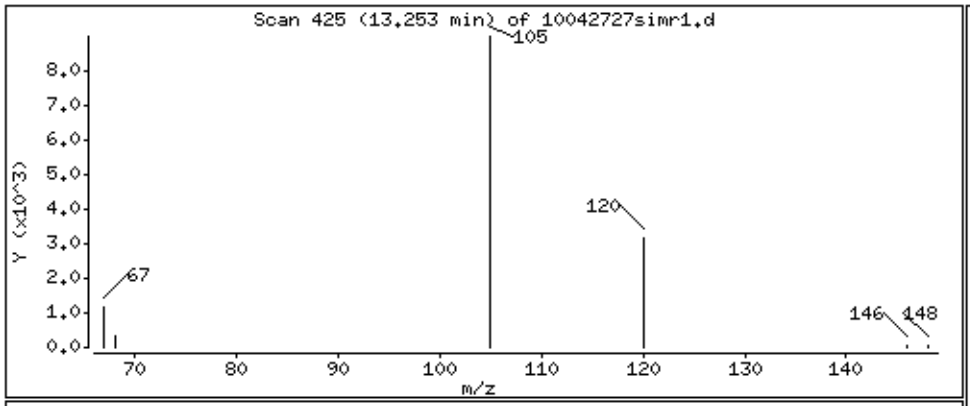
Operator: gm

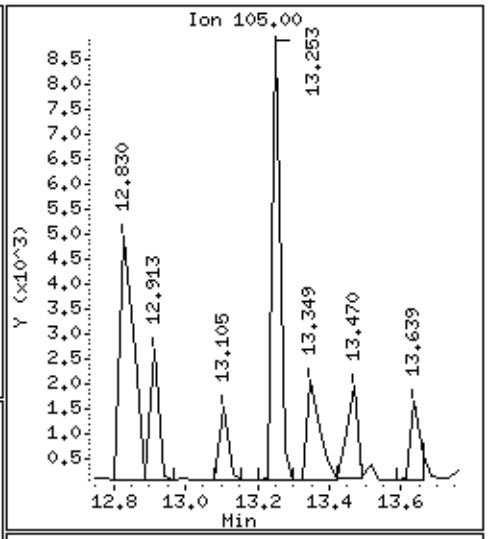
Column phase: DB-5.625

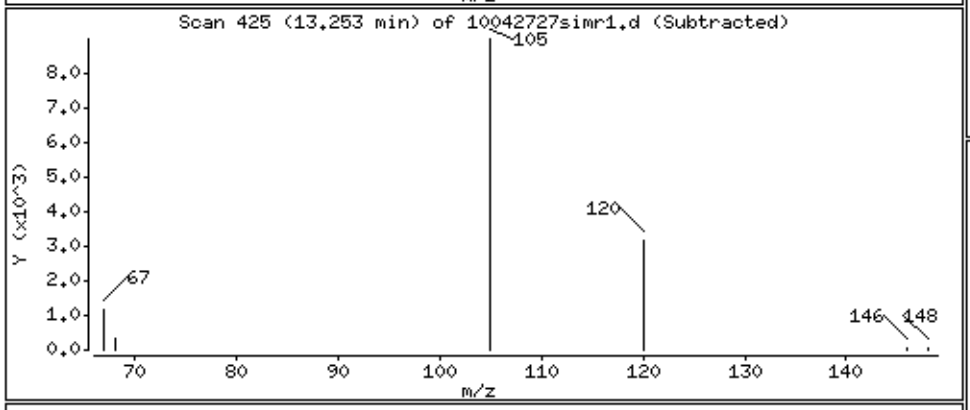
Column diameter: 0.25

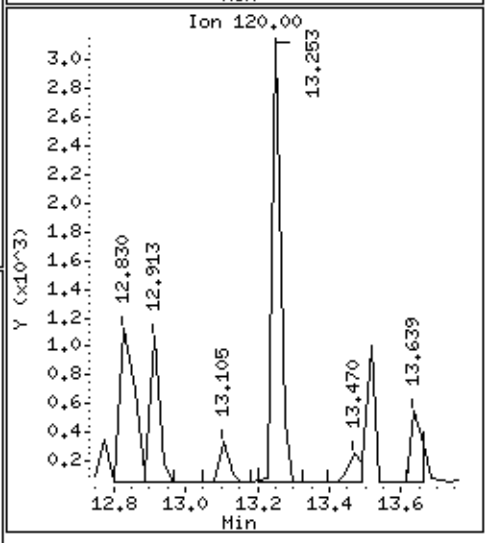
42 1,2,4-Trimethylbenzene

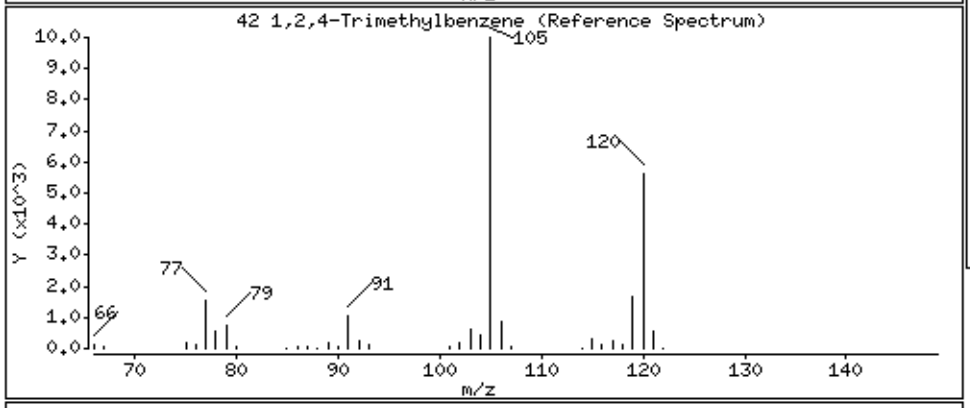
Concentration: 0.345771 ug

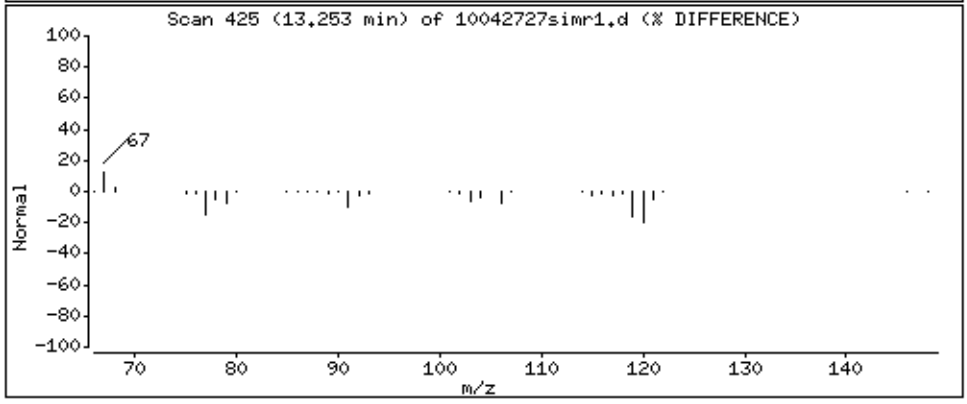












Data File: /chem/msd10.i/27Apr2015.b/10042727simr1.d

Date : 27-APR-2015 18:12

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-02A;

Volume Injected (uL): 1.0

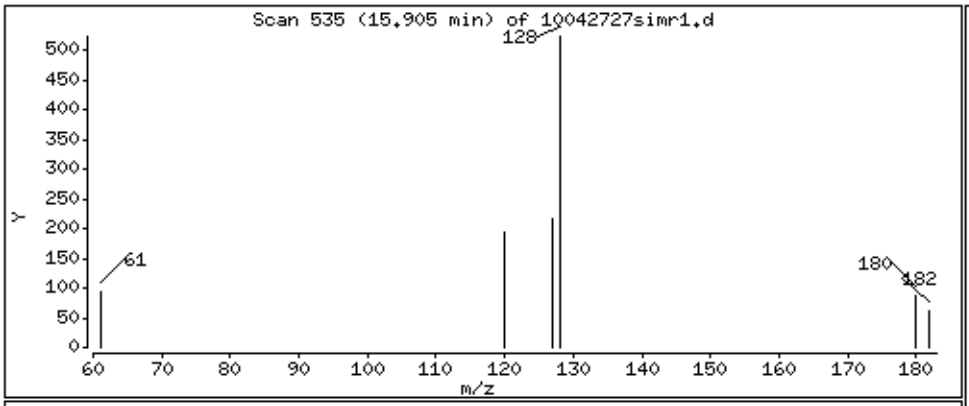
Operator: gm

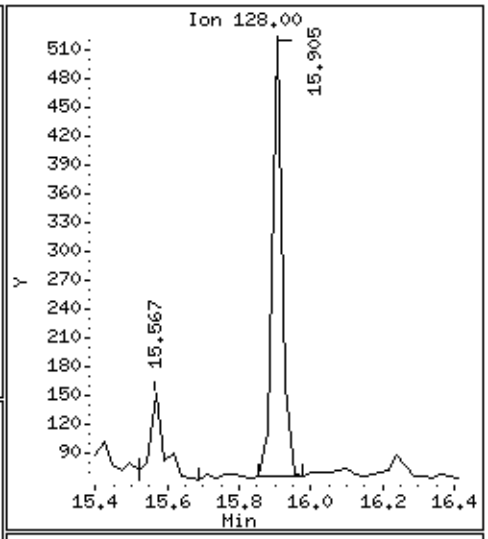
Column phase: DB-5.625

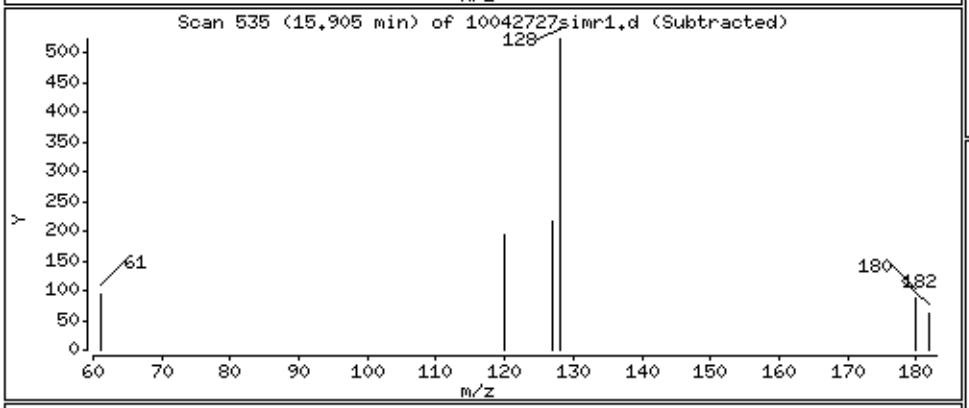
Column diameter: 0.25

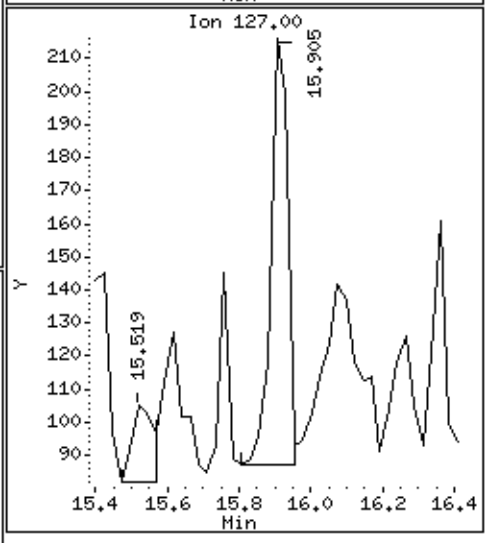
49 Naphthalene

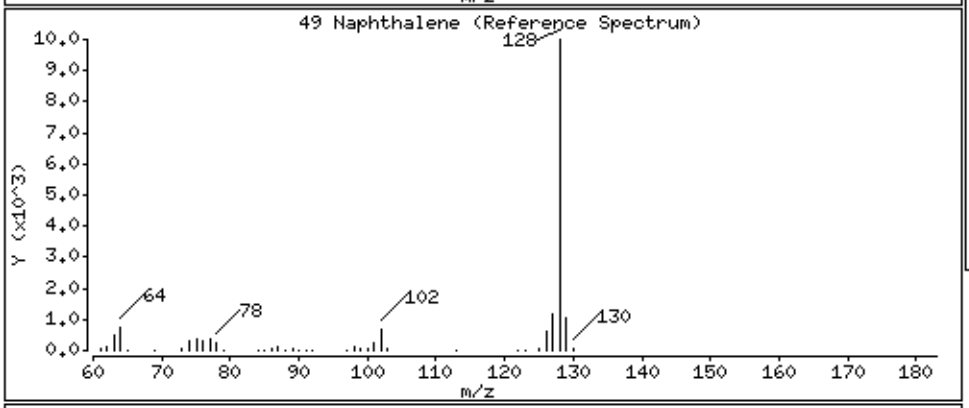
Concentration: 0.0138659 ug

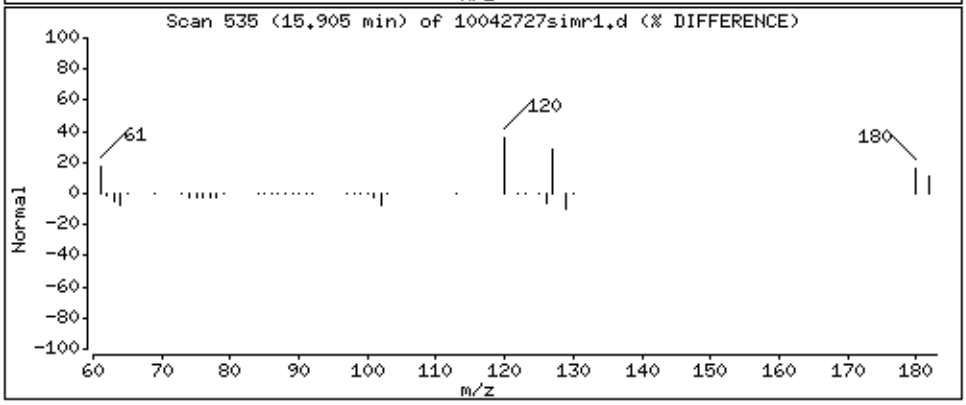












eurofins | Air Toxics

Client Sample ID: 915NP

Lab ID#: 1504459R1-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**10042728simr1**	**Date of Collection: 4/17/15 12:50:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/27/15 06:36 PM**	
		Date of Extraction: 4/27/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Benzene	0.40	0.51	0.38 J	0.48 J
1,2-Dichloroethane	0.10	0.13	Not Detected	Not Detected
Trichloroethene	0.10	0.15	Not Detected	Not Detected
Toluene	0.10	0.14	0.93	1.3
Tetrachloroethene	0.10	0.17	0.046 J	0.080 J
Ethyl Benzene	0.10	0.15	0.14	0.22
m,p-Xylene	0.10	0.14	0.47	0.68
o-Xylene	0.10	0.16	0.16	0.25
Naphthalene	0.10	0.41	0.0076 J	0.031 J
1,1-Dichloroethane	0.10	0.16	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.54	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.34	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.20	0.16	0.32
1,3,5-Trimethylbenzene	0.10	0.19	0.049 CJ	0.094 CJ
Vinyl Chloride	0.40	0.45	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 9792 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042728simr1.d
Lab Smp Id: 1504459R1-03A
Inj Date : 27-APR-2015 18:36
Operator : gm Inst ID: msd10.i
Smp Info : ;1504459R1-03A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 08-May-2015 15:50 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2	Vinyl Chloride	62	Compound Not Detected.					
4	1,1-Dichloroethene-CCC	96	Compound Not Detected.					
8	trans-1,2-Dichloroethene	96	Compound Not Detected.					
11	1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
14	cis-1,2-Dichloroethene	96	Compound Not Detected.					
17	1,1,1-Trichloroethane	97	Compound Not Detected.					
19	Benzene	78	7.938	7.938	(0.782)	7762	0.18958	0.379163(a)
20	1,2-Dichloroethane	62	Compound Not Detected.					
22	Trichloroethene	130	Compound Not Detected.					
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	232220	5.08120	10.1624
28	Toluene-CCC	92	9.912	9.912	(0.976)	18074	0.46667	0.933344
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	252921	5.00000	
30	1,1,2-Trichloroethane	97	Compound Not Detected.					
31	Tetrachloroethene	164	10.466	10.466	(1.031)	285	0.02321	0.0464138(aM)
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	1916	0.07210	0.144203
34	m,p-Xylene	106	11.613	11.613	(1.144)	6518	0.23447	0.468937

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
36 o-Xylene	106	12.062	12.062	(1.188)	2136	0.07849	0.156972
41 1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	2143	0.02435	0.0487069(a)
42 1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	5738	0.07815	0.156304
49 Naphthalene	128	15.905	15.905	(1.567)	442	0.00382	0.00763395(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042728simr1.d
Lab Smp Id: 1504459R1-03A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	252921	17.03

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 13-Jul-2015 12:28

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 27Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504459R1-03A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 26 Toluene-d8	10.0000	10.1624	101.62	70-130

Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

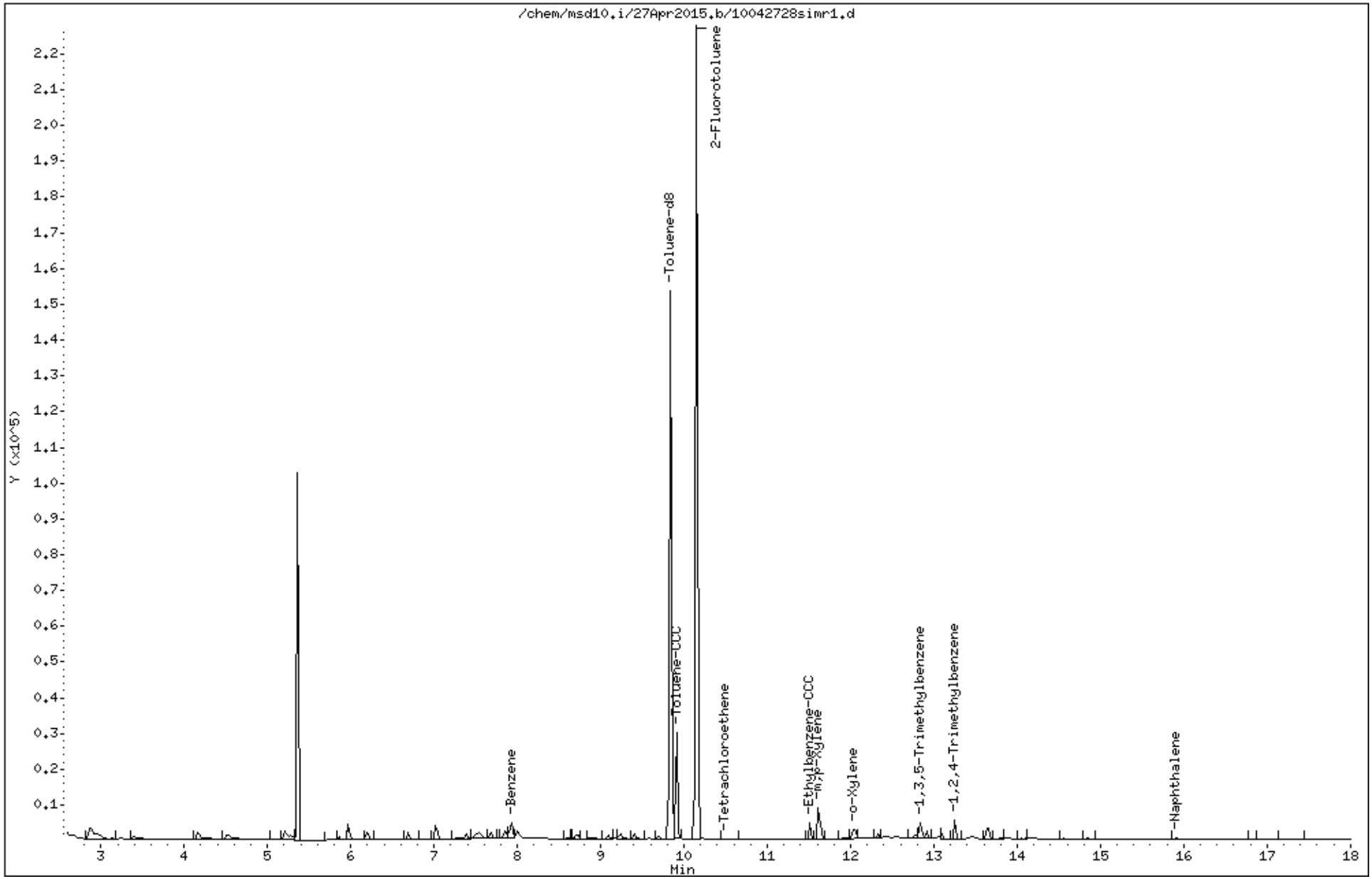
Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

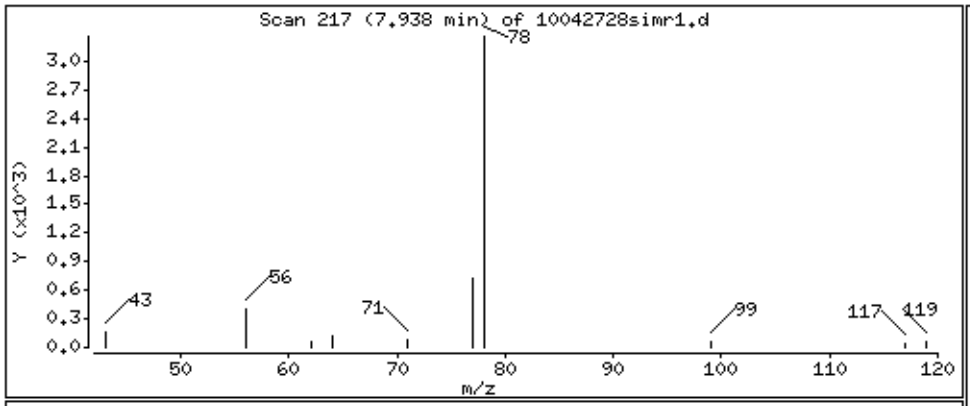
Operator: gm

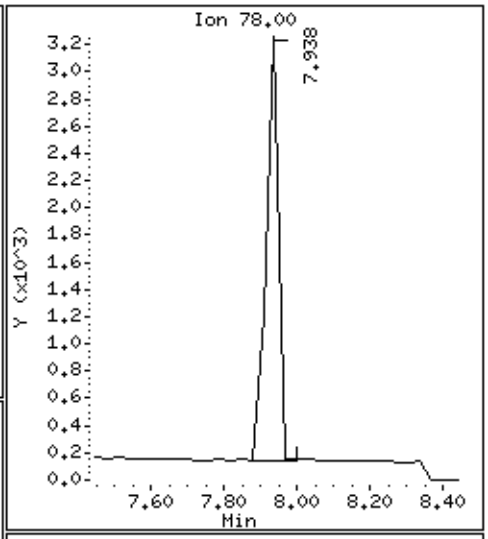
Column phase: DB-5.625

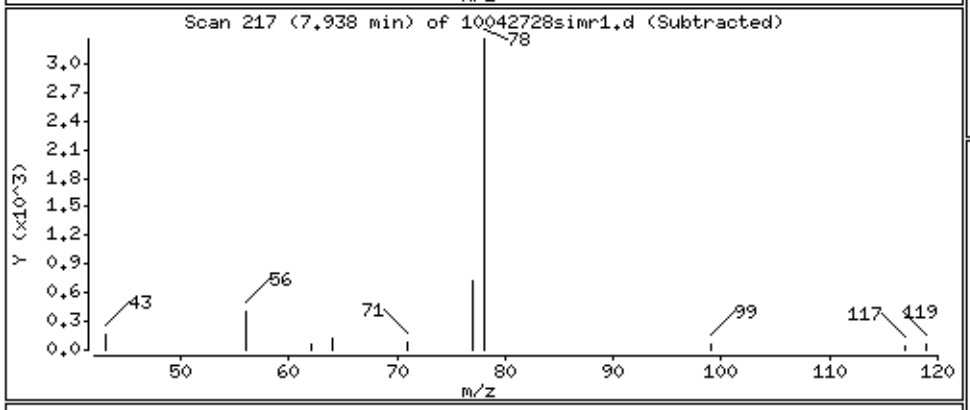
Column diameter: 0.25

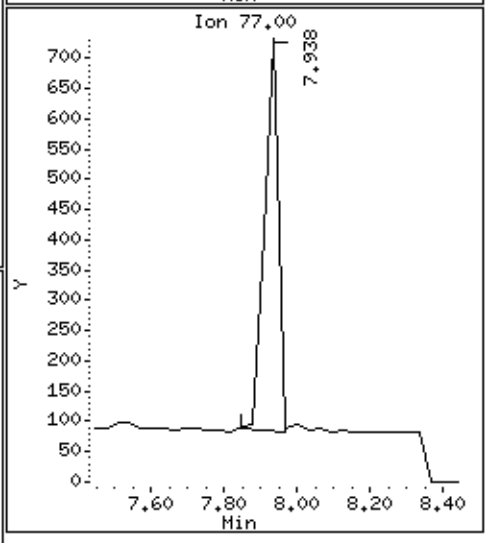
19 Benzene

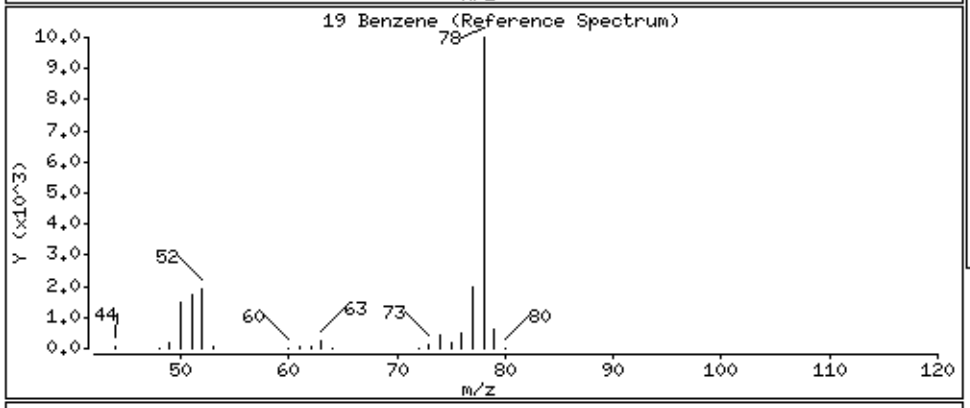
Concentration: 0.379163 ug

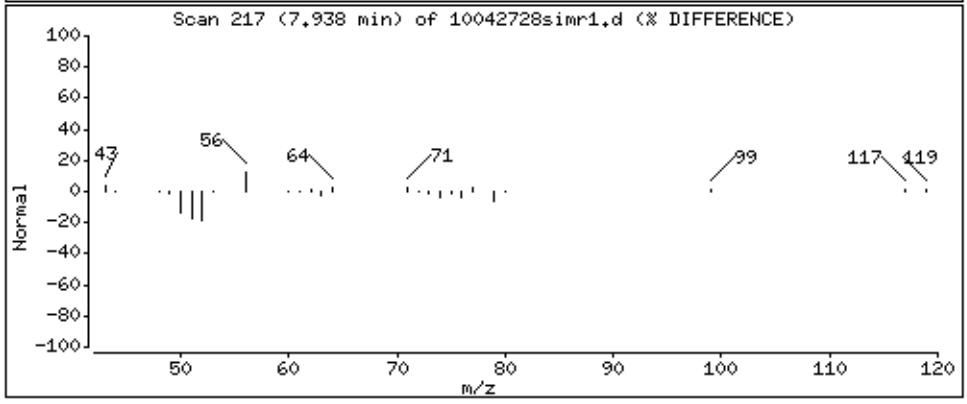












Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

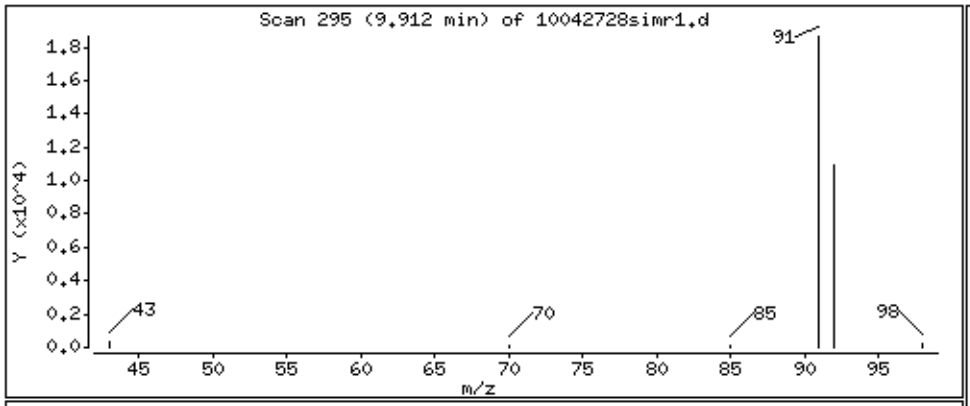
Operator: gm

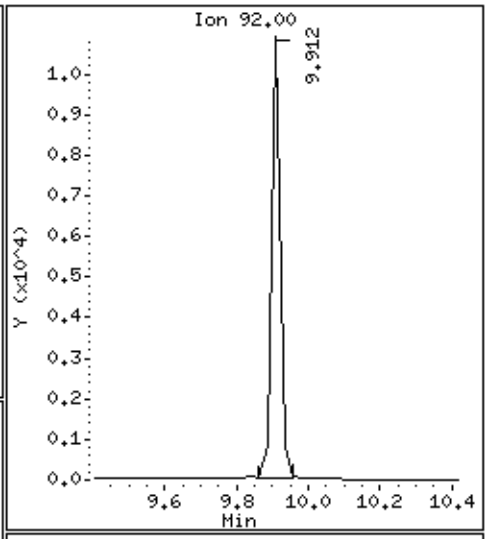
Column phase: DB-5.625

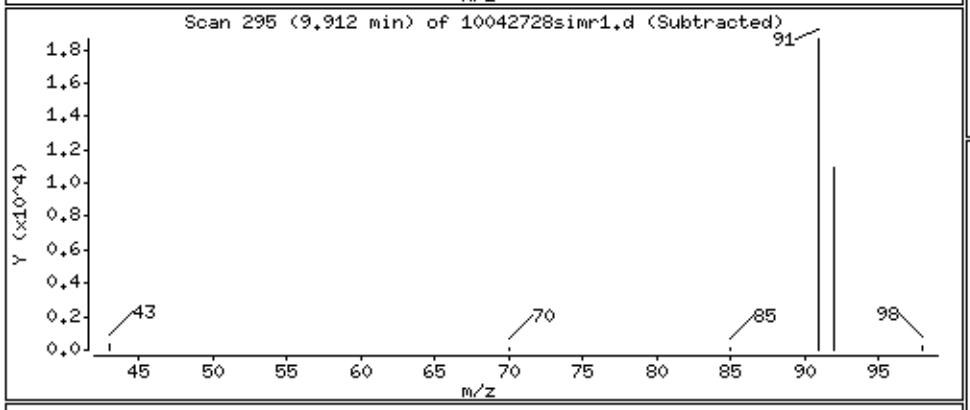
Column diameter: 0.25

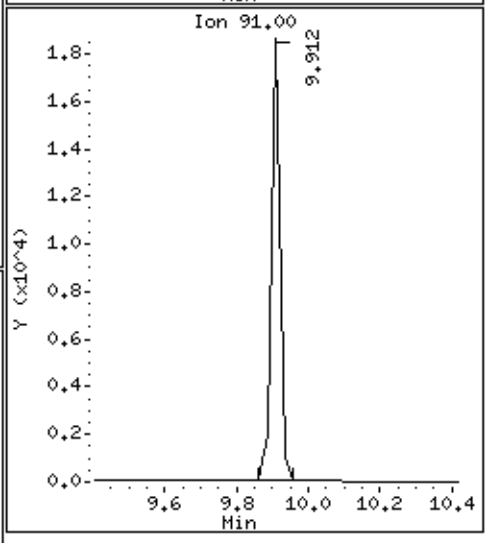
28 Toluene-CCC

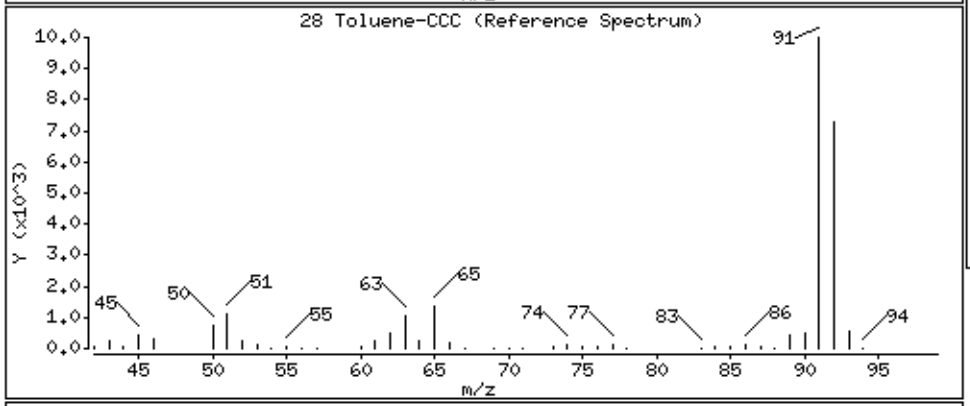
Concentration: 0.933344 ug

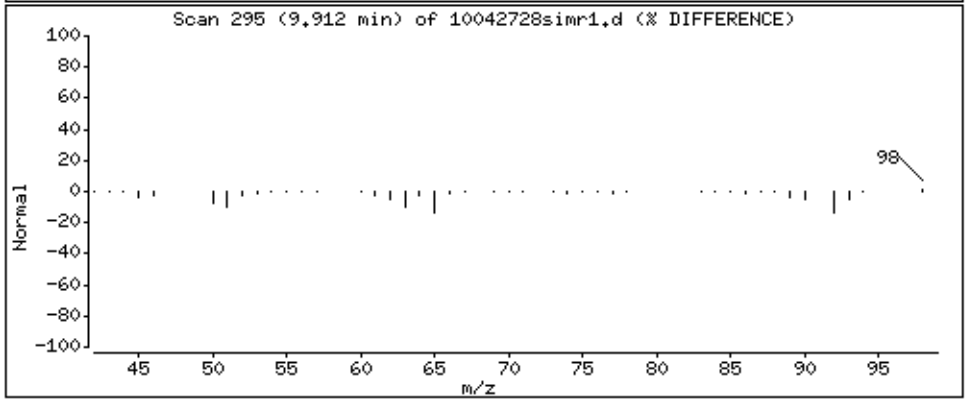












Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

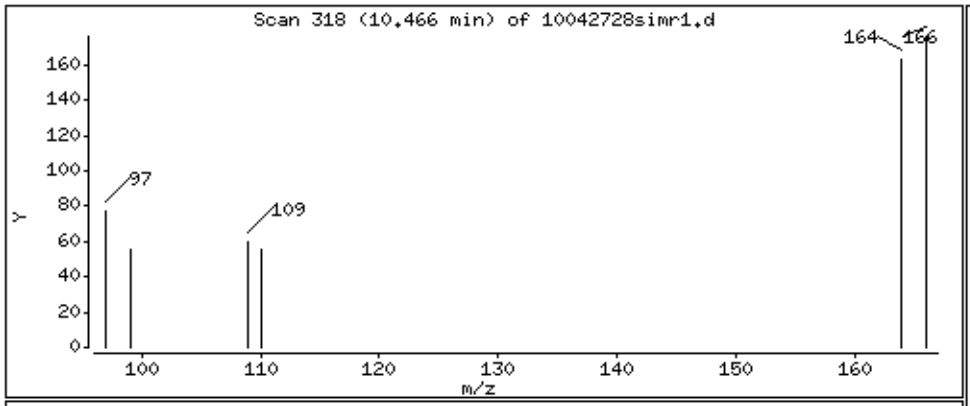
Operator: gm

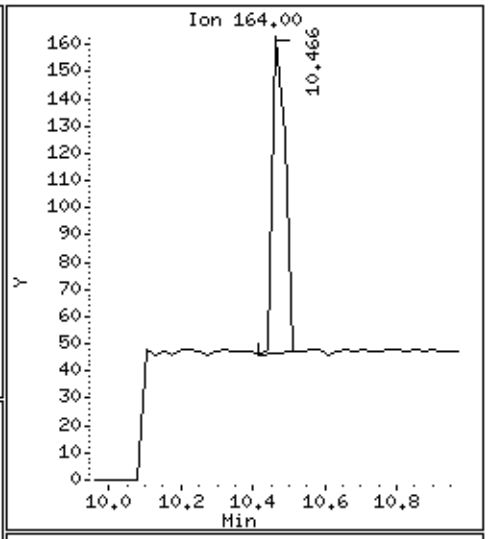
Column phase: DB-5.625

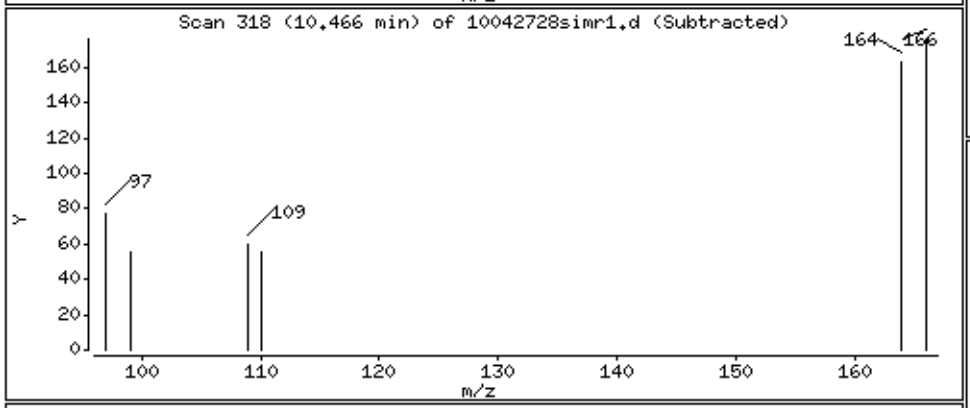
Column diameter: 0.25

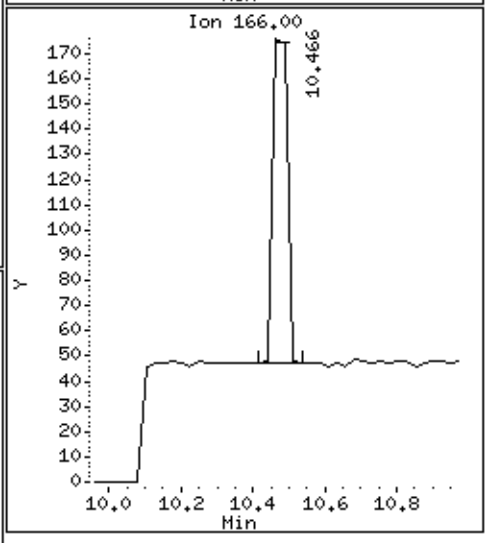
31 Tetrachloroethene

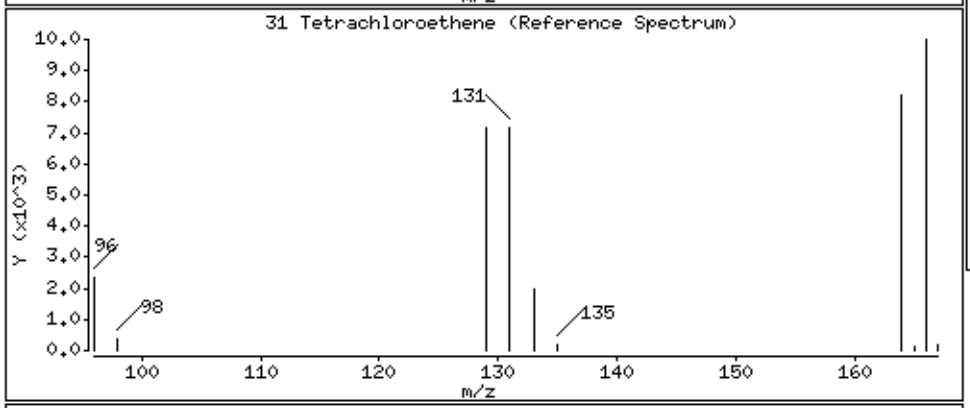
Concentration: 0.0464138 ug

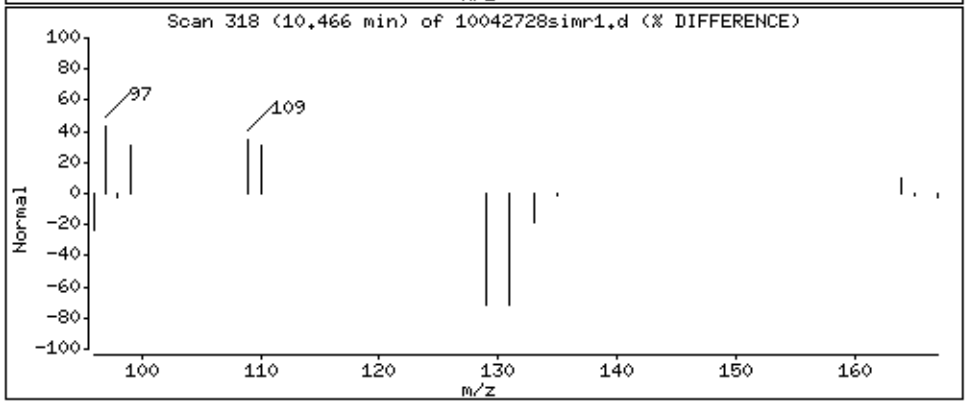












Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

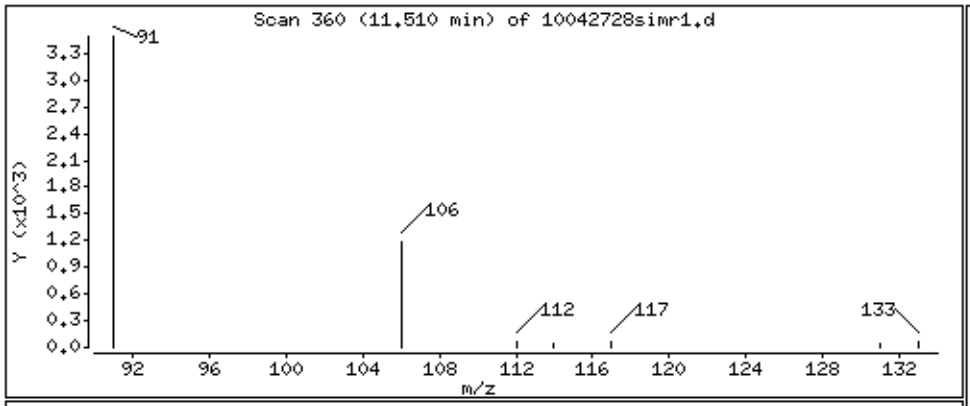
Operator: gm

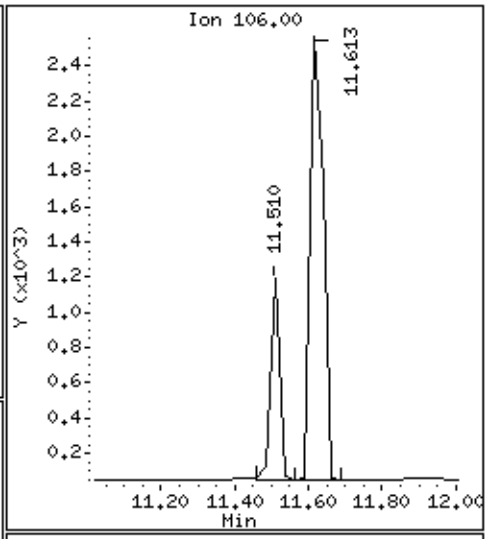
Column phase: DB-5.625

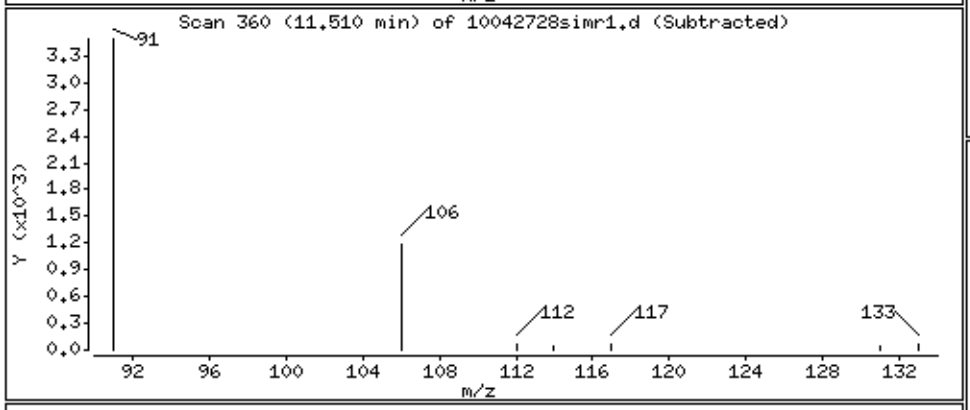
Column diameter: 0.25

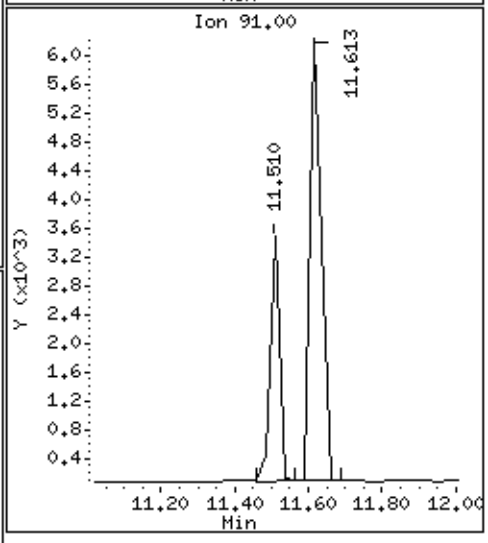
33 Ethylbenzene-CCC

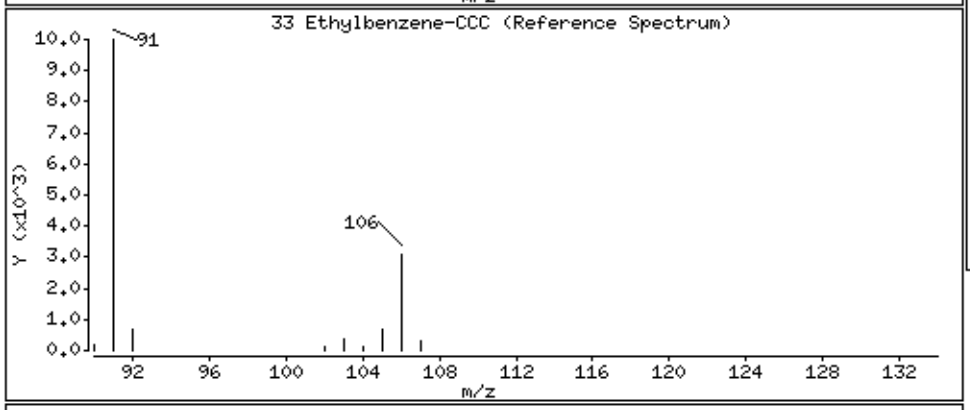
Concentration: 0.144203 ug

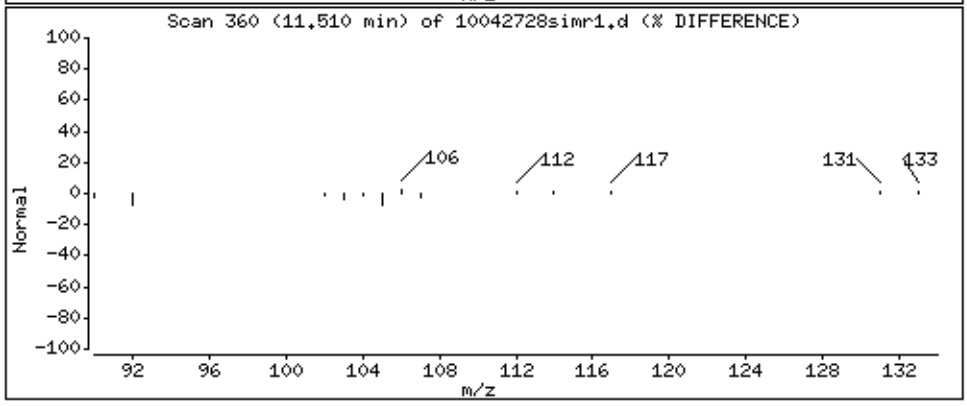












Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

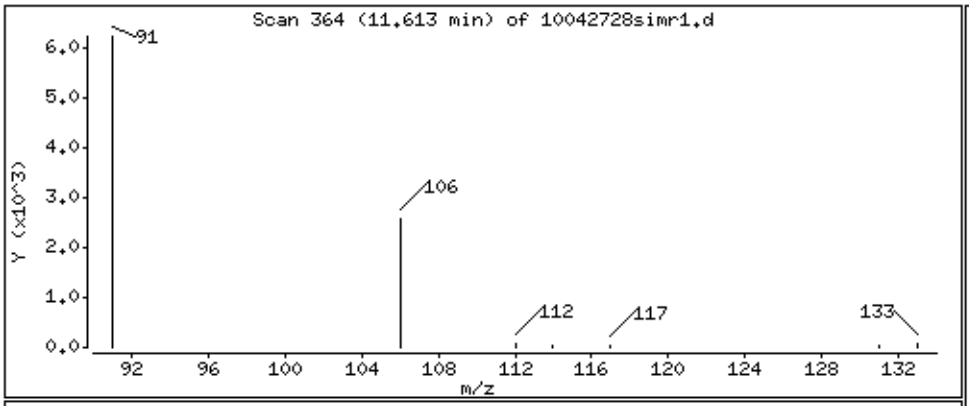
Operator: gm

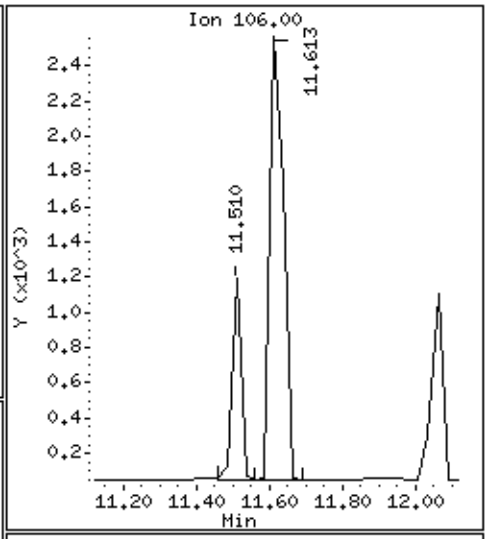
Column phase: DB-5.625

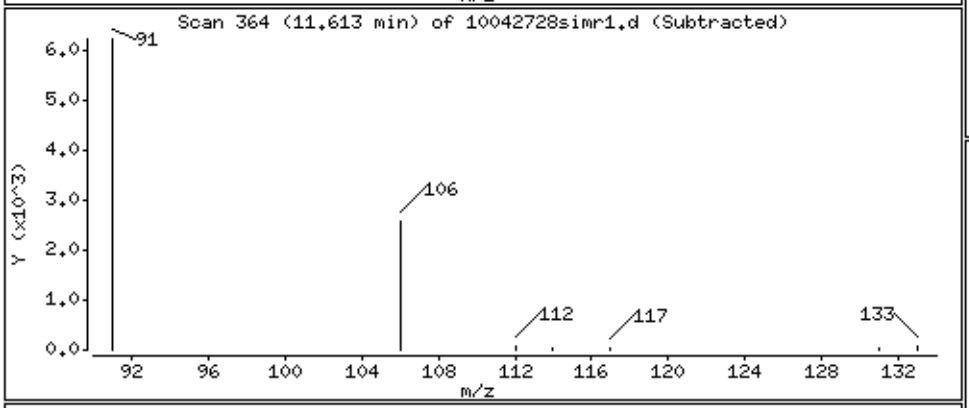
Column diameter: 0.25

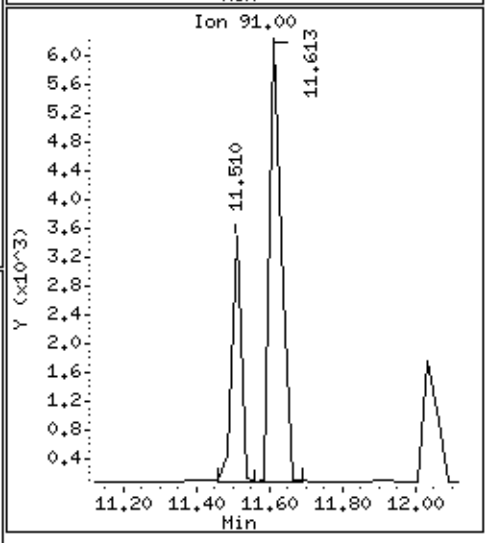
34 m,p-Xylene

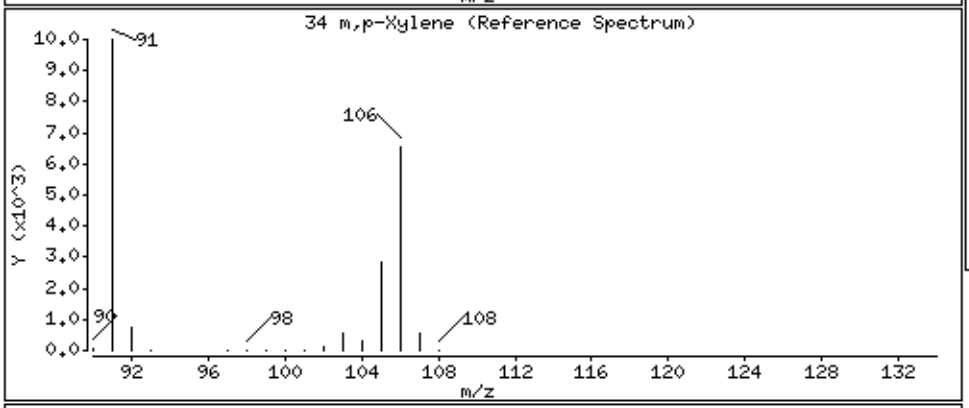
Concentration: 0.468937 ug

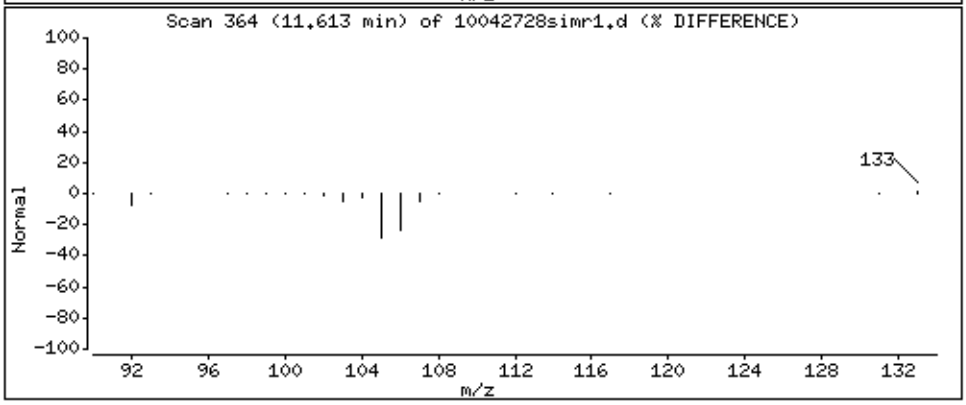












Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

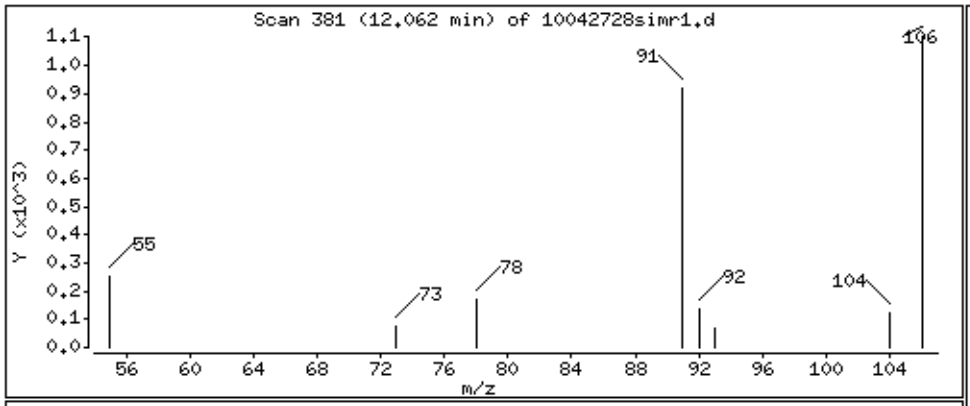
Operator: gm

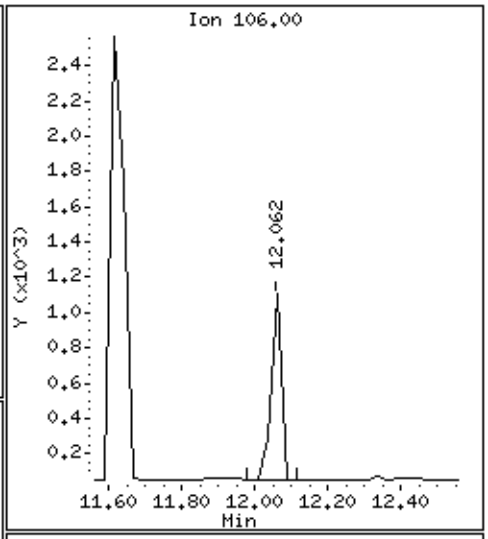
Column phase: DB-5.625

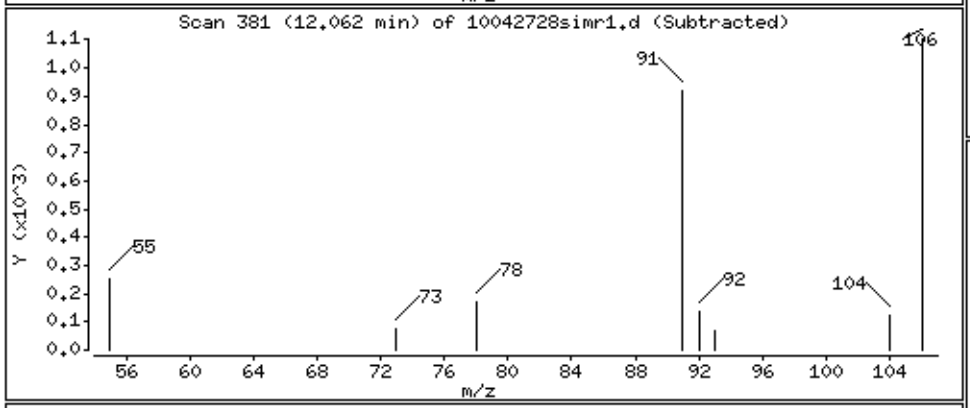
Column diameter: 0.25

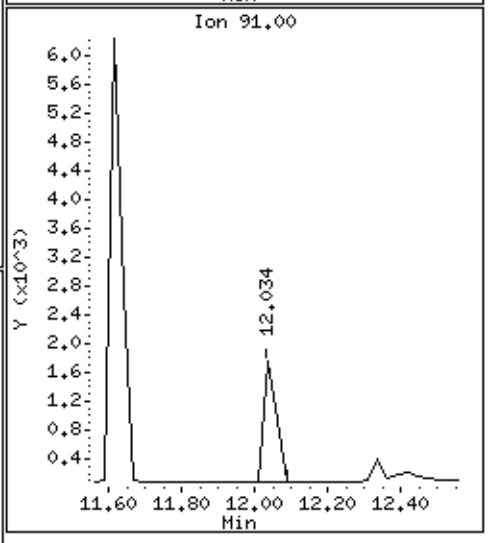
36 o-Xylene

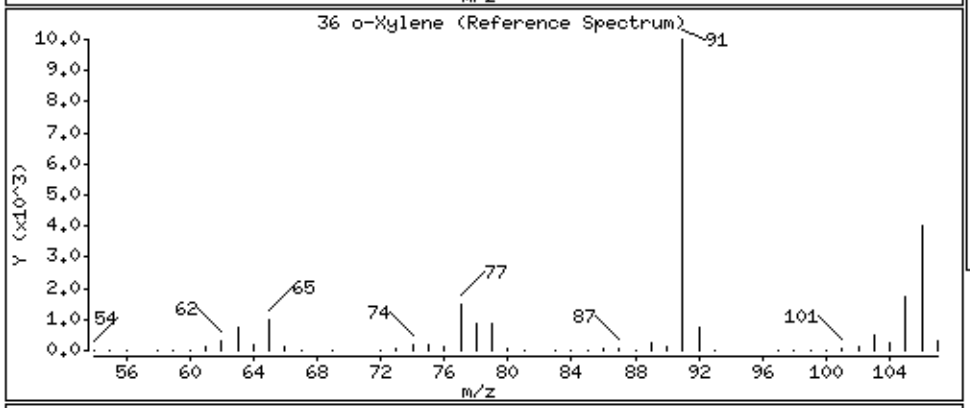
Concentration: 0.156972 ug

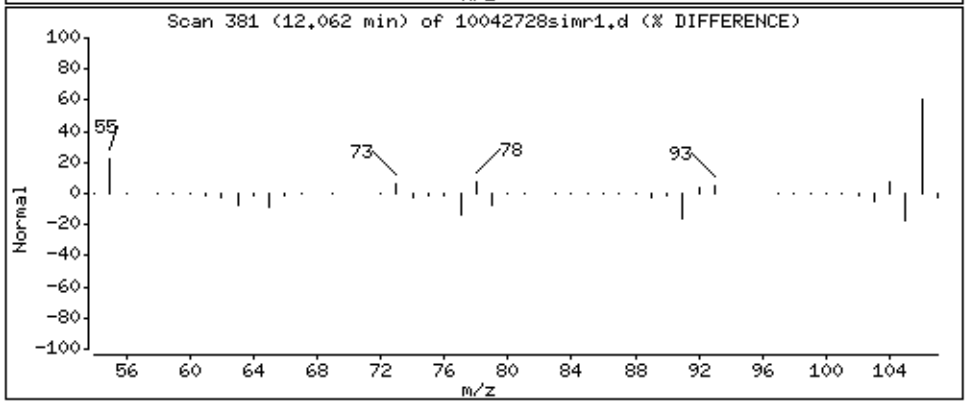












Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

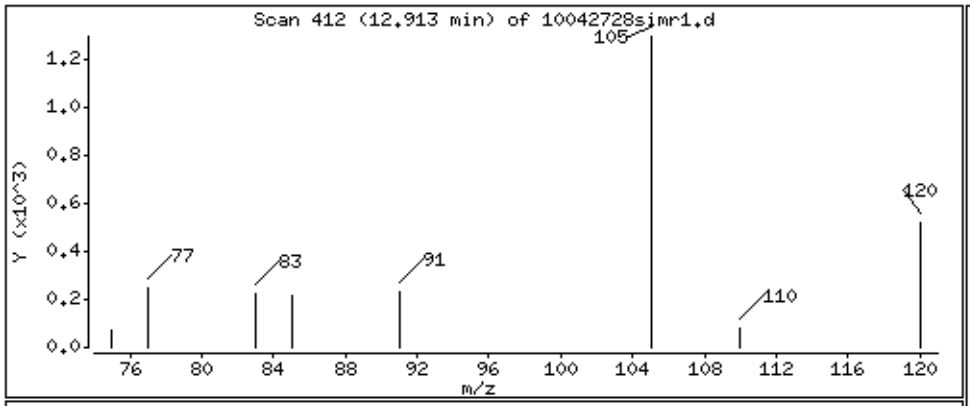
Operator: gm

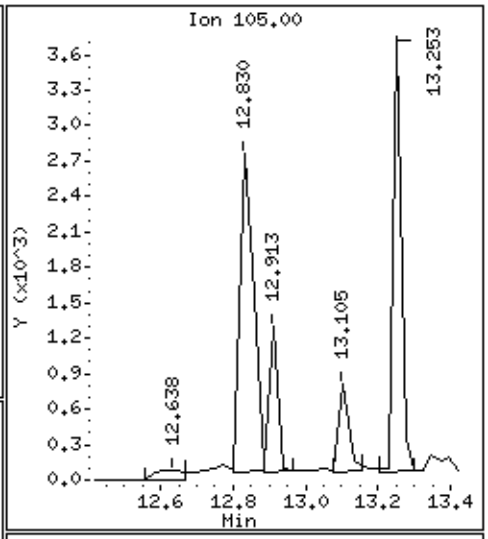
Column phase: DB-5.625

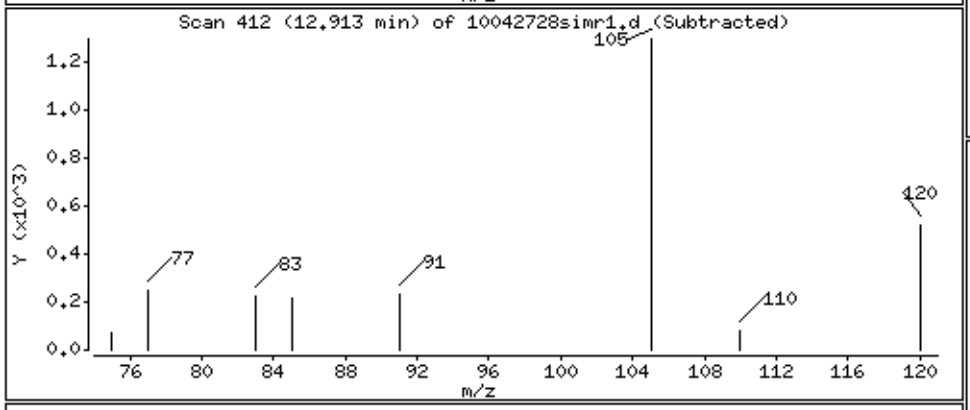
Column diameter: 0.25

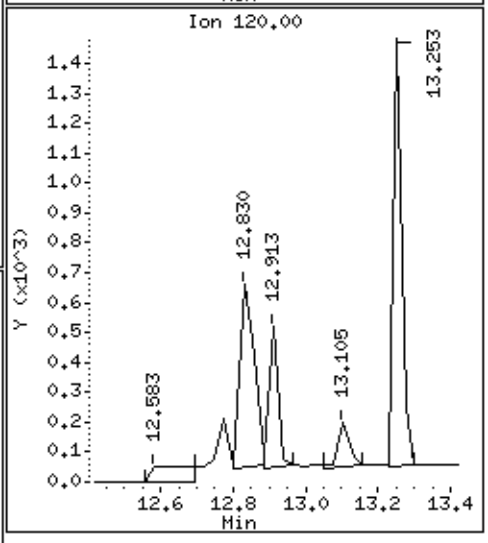
41 1,3,5-Trimethylbenzene

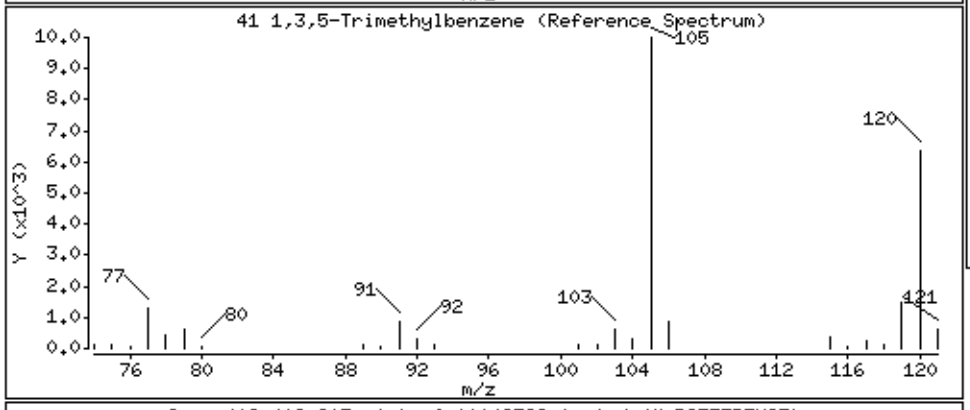
Concentration: 0.0487069 ug

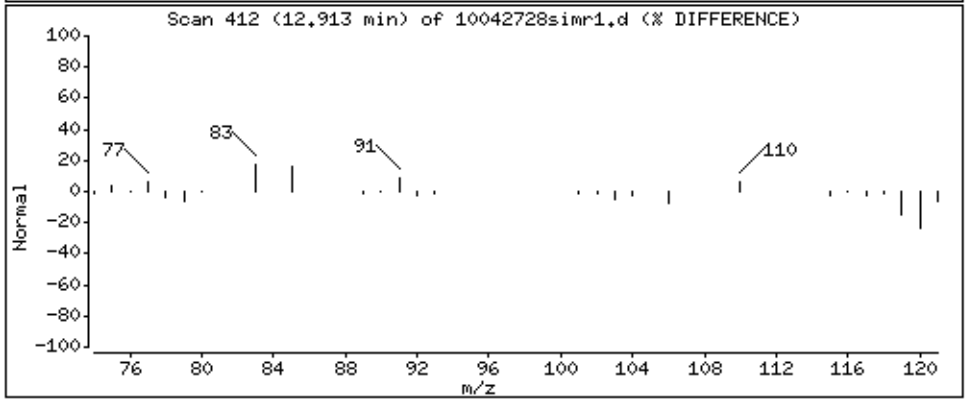












Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

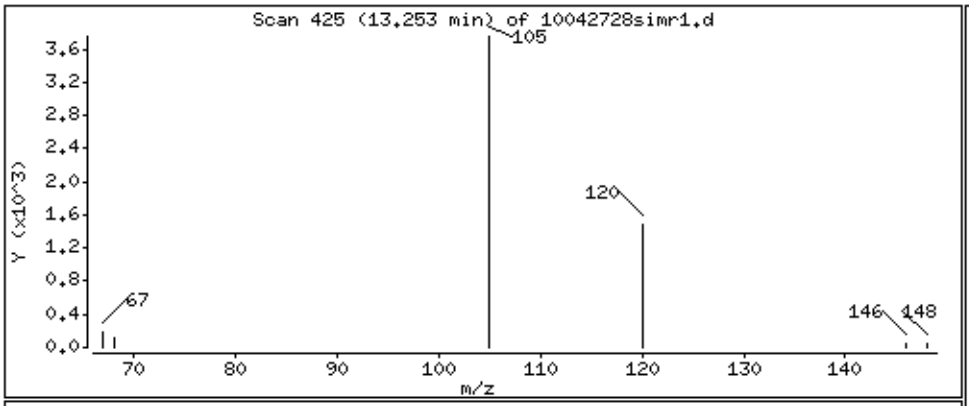
Operator: gm

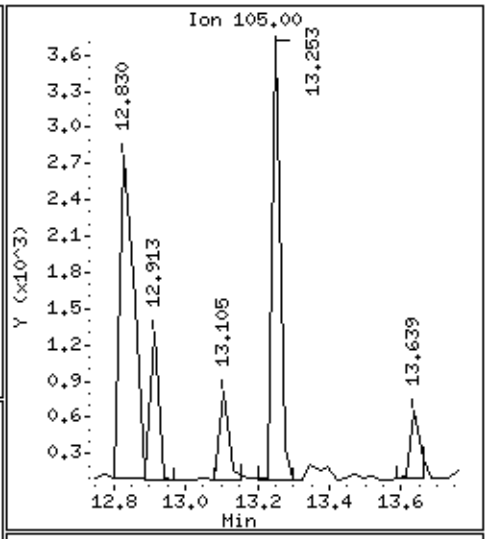
Column phase: DB-5.625

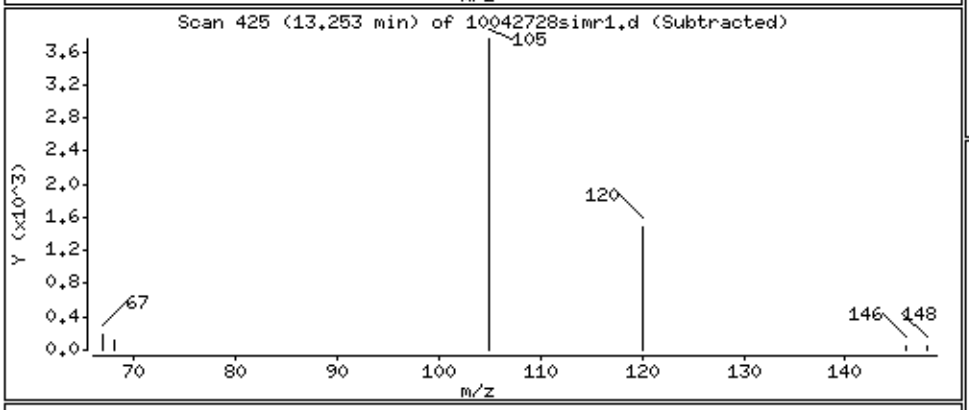
Column diameter: 0.25

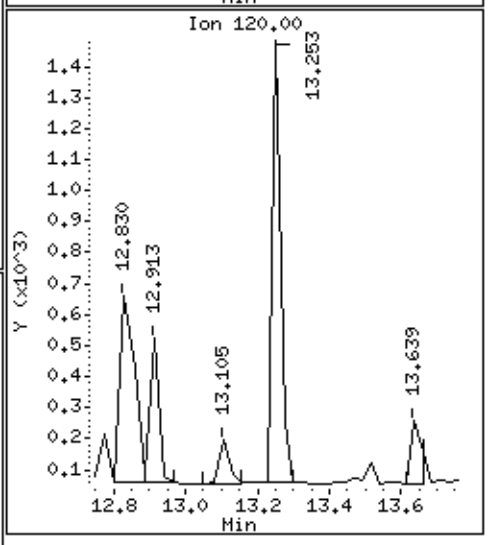
42 1,2,4-Trimethylbenzene

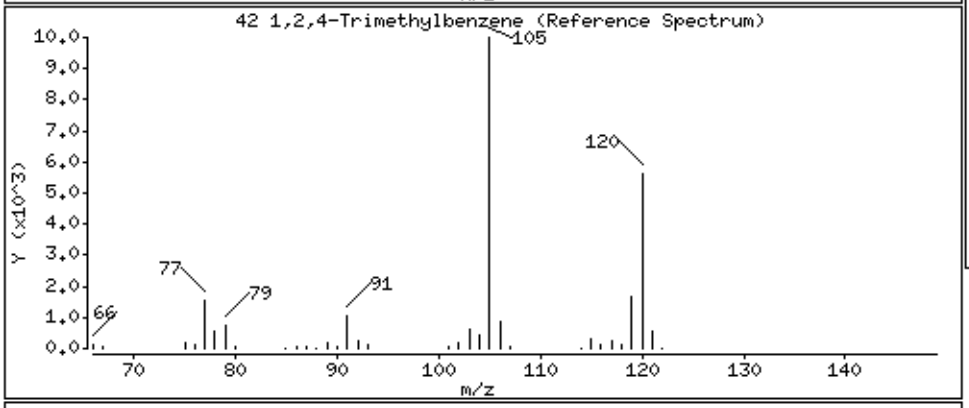
Concentration: 0.156304 ug

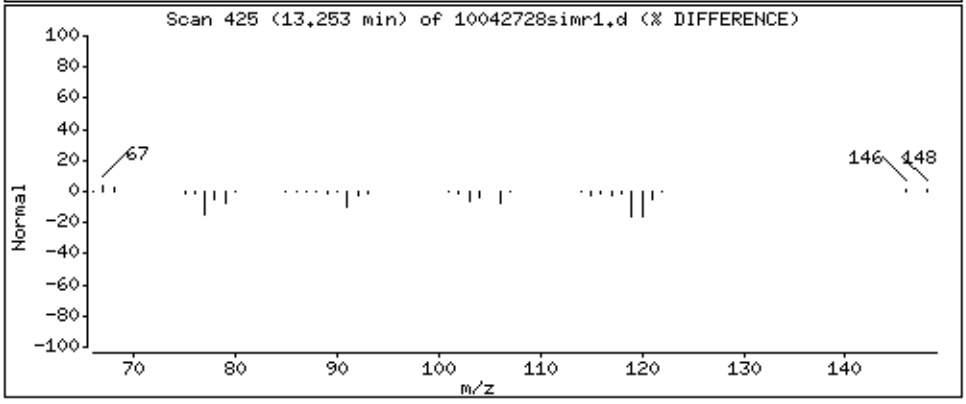












Data File: /chem/msd10.i/27Apr2015.b/10042728simr1.d

Date : 27-APR-2015 18:36

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-03A;

Volume Injected (uL): 1.0

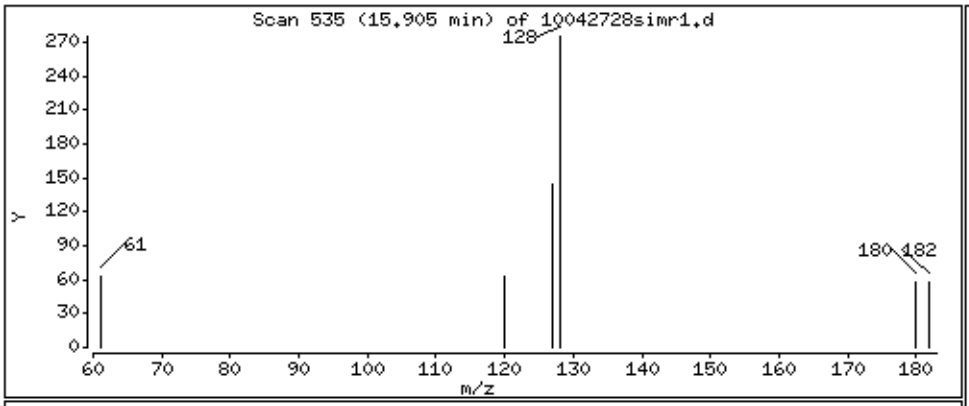
Operator: gm

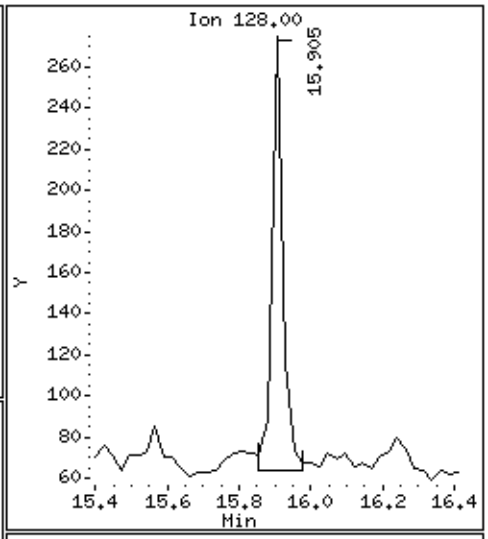
Column phase: DB-5.625

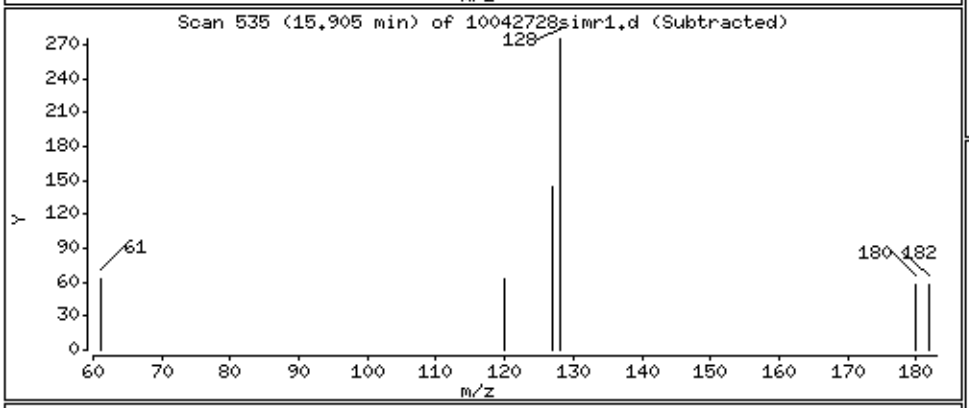
Column diameter: 0.25

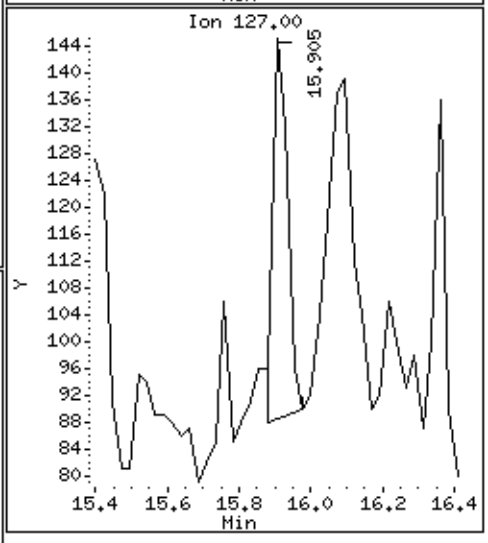
49 Naphthalene

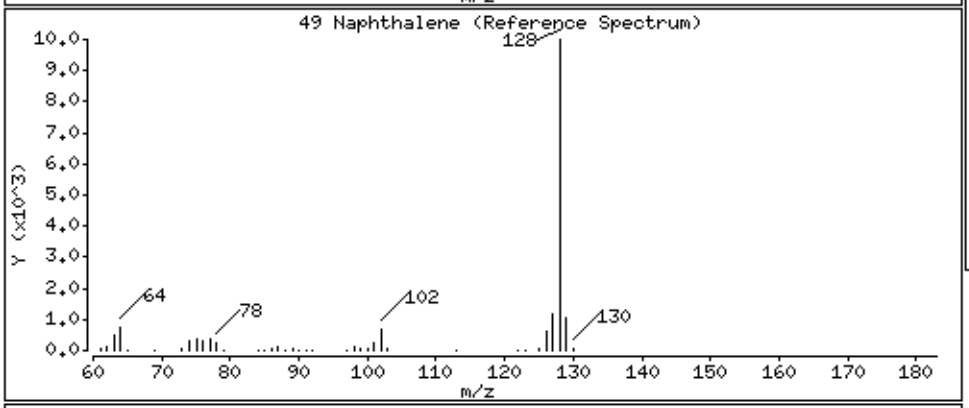
Concentration: 0.00763395 ug

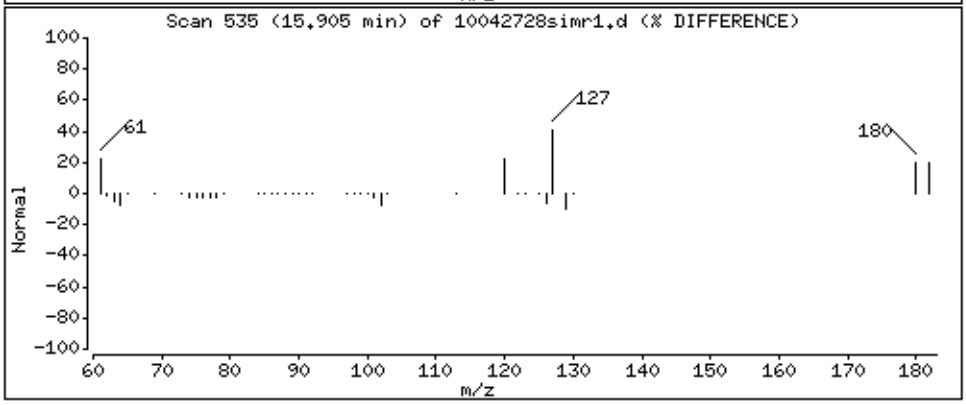












eurofins | Air Toxics

Client Sample ID: 913NP

Lab ID#: 1504459R1-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**10042729simr1**	**Date of Collection: 4/17/15 12:15:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 4/27/15 07:00 PM**
		Date of Extraction: 4/27/15

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Benzene	0.40	0.50	0.71	0.88
1,2-Dichloroethane	0.10	0.13	0.21	0.27
Trichloroethene	0.10	0.14	0.042 J	0.060 J
Toluene	0.10	0.13	1.8	2.5
Tetrachloroethene	0.10	0.17	0.055 J	0.093 J
Ethyl Benzene	0.10	0.15	0.28	0.42
m,p-Xylene	0.10	0.14	0.84	1.2
o-Xylene	0.10	0.15	0.28	0.43
Naphthalene	0.10	0.40	0.015 J	0.059 J
1,1-Dichloroethane	0.10	0.16	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.52	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.20	0.25	0.50
1,3,5-Trimethylbenzene	0.10	0.19	0.071 CJ	0.13 CJ
Vinyl Chloride	0.40	0.44	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10065 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042729simr1.d
Lab Smp Id: 1504459R1-04A
Inj Date : 27-APR-2015 19:00
Operator : gm Inst ID: msd10.i
Smp Info : ;1504459R1-04A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 08-May-2015 15:50 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
	2 Vinyl Chloride	62	Compound Not Detected.					
	4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
	8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
	14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	17 1,1,1-Trichloroethane	97	Compound Not Detected.					
	19 Benzene	78	7.938	7.938	(0.782)	15585	0.35537	0.710735
	20 1,2-Dichloroethane	62	8.000	7.999	(0.788)	1944	0.10372	0.207443
	22 Trichloroethene	130	8.562	8.562	(0.843)	288	0.02089	0.0417739(aM)
$	26 Toluene-d8	98	9.839	9.839	(0.969)	244512	4.99477	9.98954
	28 Toluene-CCC	92	9.912	9.912	(0.976)	38370	0.92491	1.84981
*	29 2-Fluorotoluene	109	10.153	10.153	(1.000)	270917	5.00000	
	30 1,1,2-Trichloroethane	97	Compound Not Detected.					
	31 Tetrachloroethene	164	10.466	10.466	(1.031)	365	0.02775	0.0554936(a)
	33 Ethylbenzene-CCC	106	11.510	11.510	(1.134)	4054	0.14242	0.284846
	34 m,p-Xylene	106	11.613	11.613	(1.144)	12462	0.41851	0.837021

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
36 o-Xylene	106	12.062	12.062	(1.188)	4094	0.14044	0.280878
41 1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	3344	0.03548	0.0709551(a)
42 1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	9987	0.12699	0.253976
49 Naphthalene	128	15.905	15.905	(1.567)	918	0.00740	0.0148019(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 13-Jul-2015 12:28

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042729simr1.d
Lab Smp Id: 1504459R1-04A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	270917	25.36

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 13-Jul-2015 12:28

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 27Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504459R1-04A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 26 Toluene-d8	10.0000	9.98954	99.90	70-130

Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

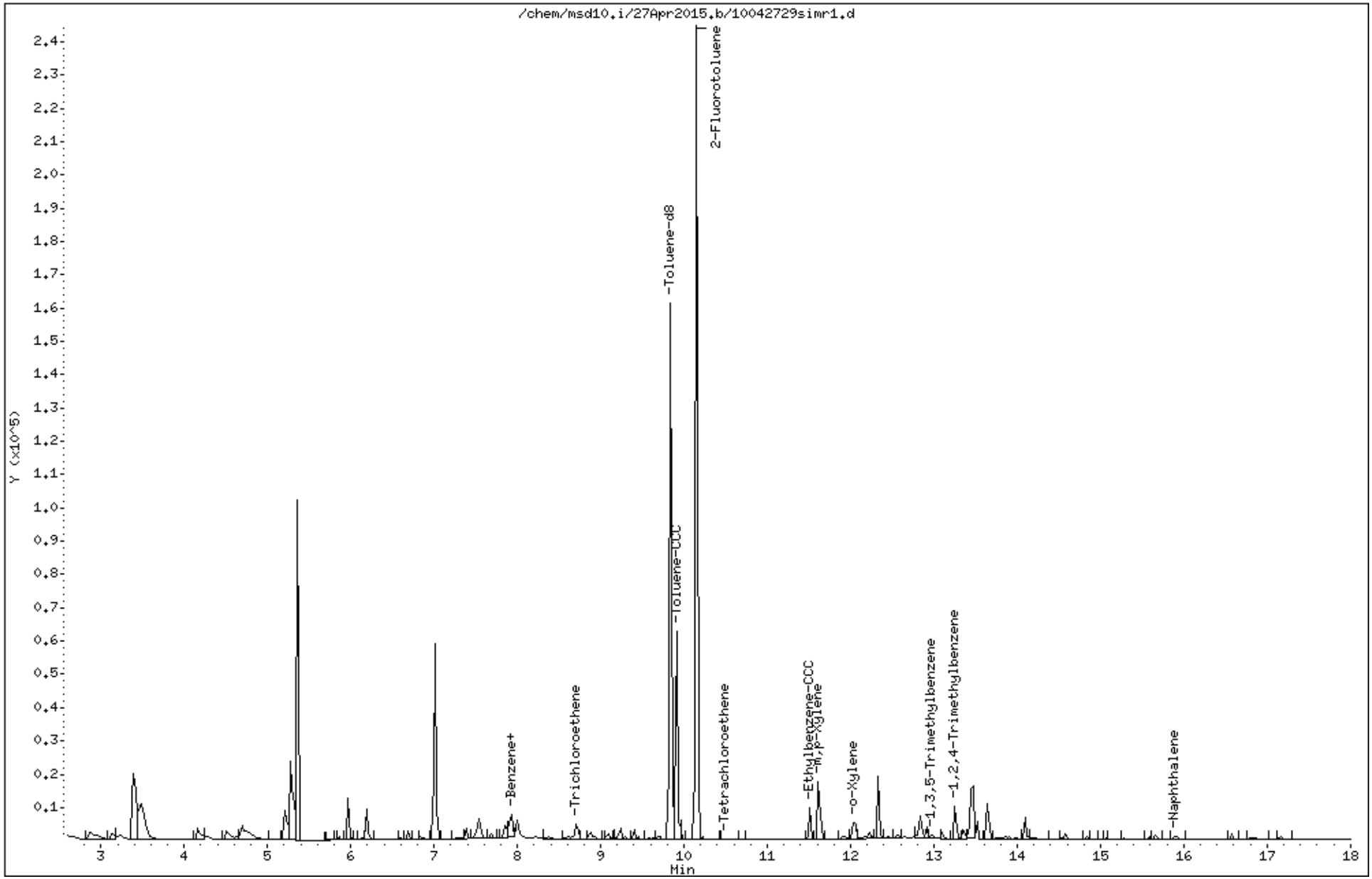
Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

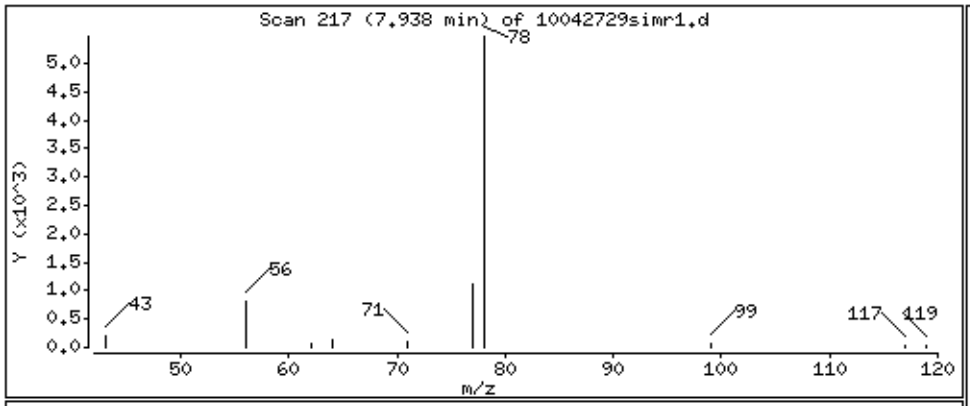
Operator: gm

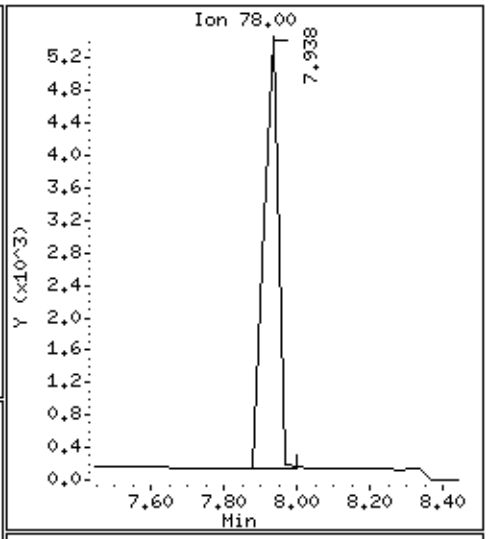
Column phase: DB-5.625

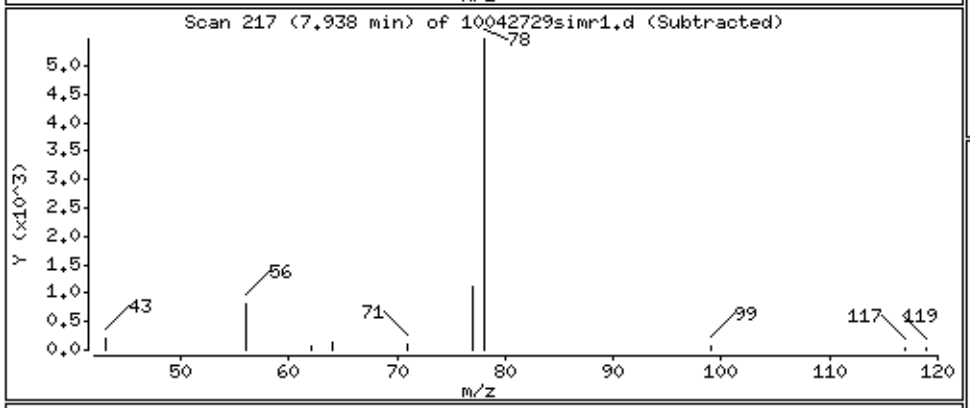
Column diameter: 0.25

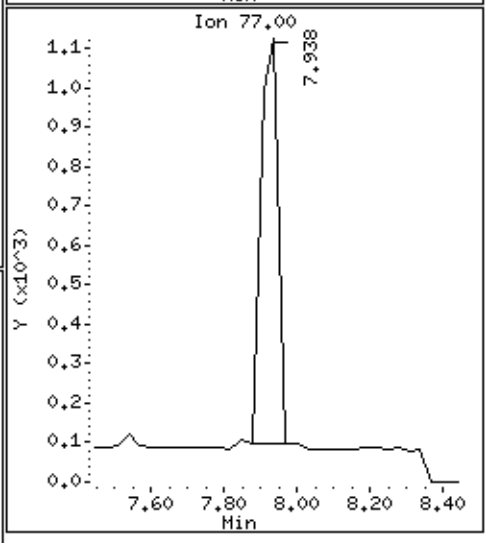
19 Benzene

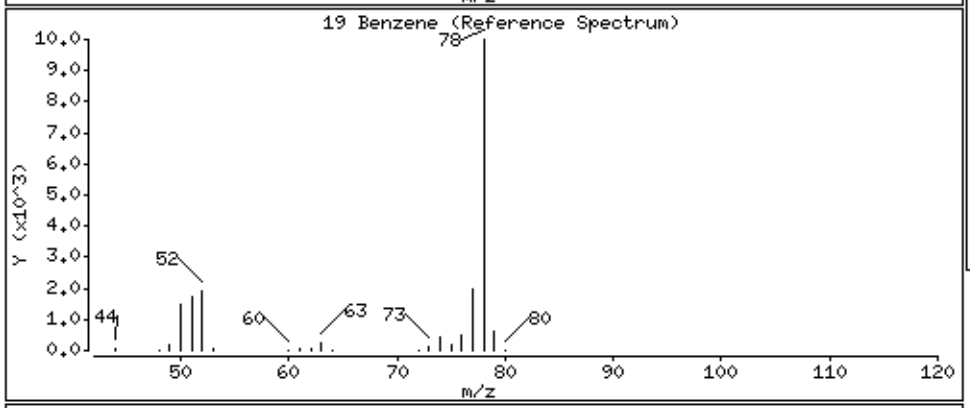
Concentration: 0.710735 ug

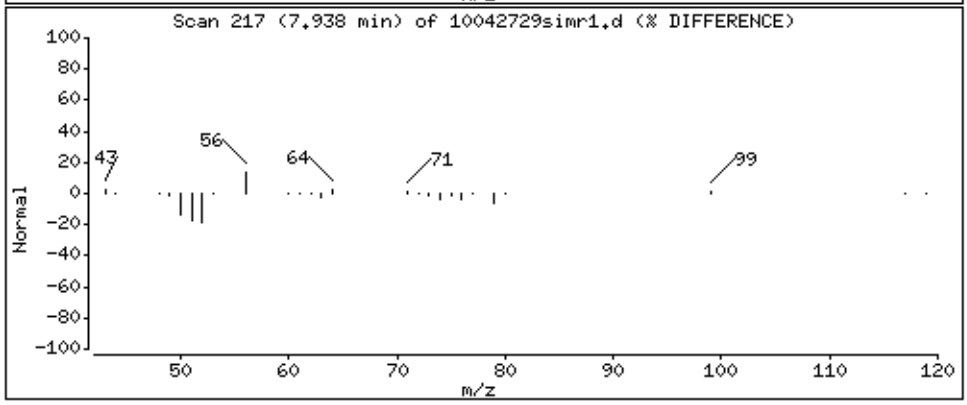












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

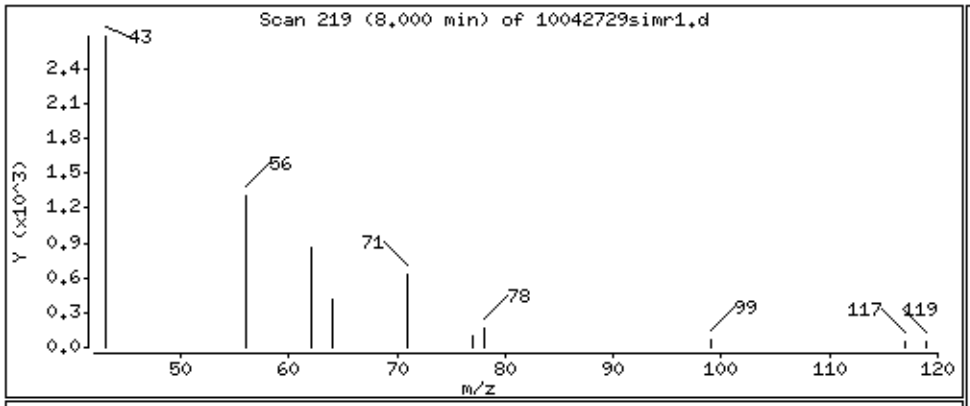
Operator: gm

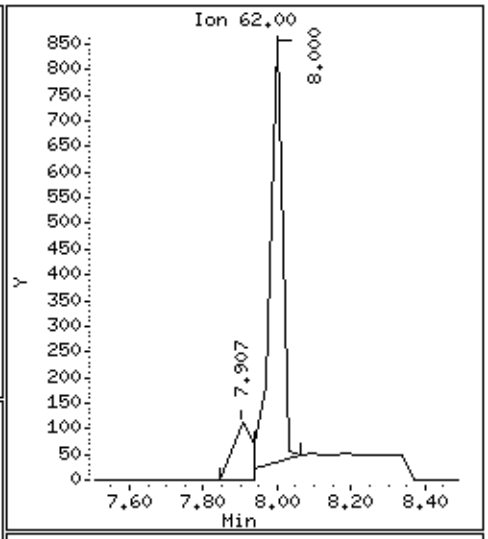
Column phase: DB-5.625

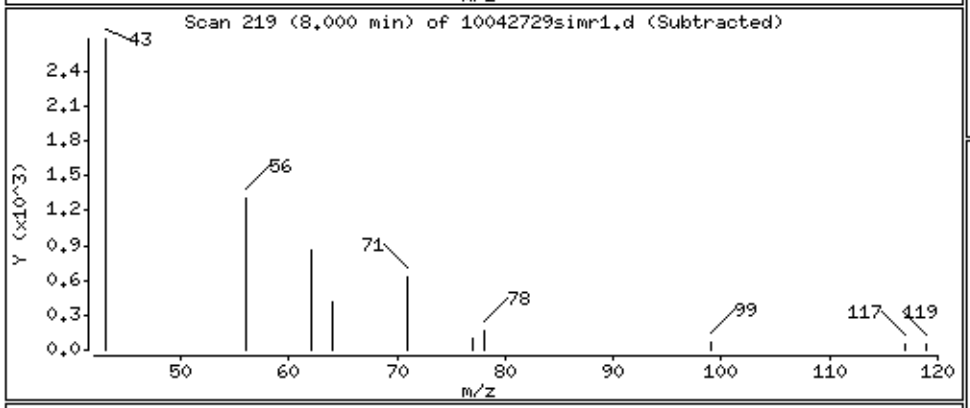
Column diameter: 0.25

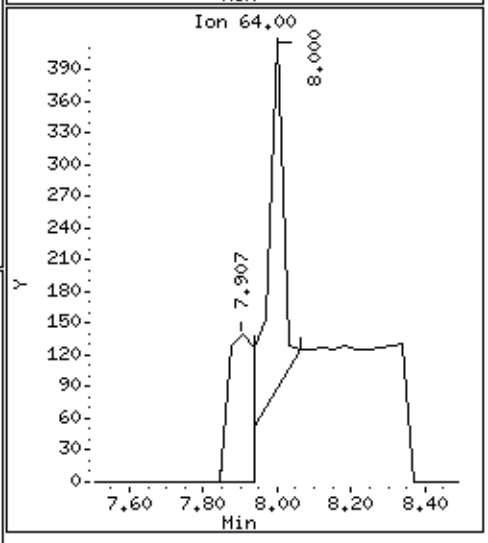
20 1,2-Dichloroethane

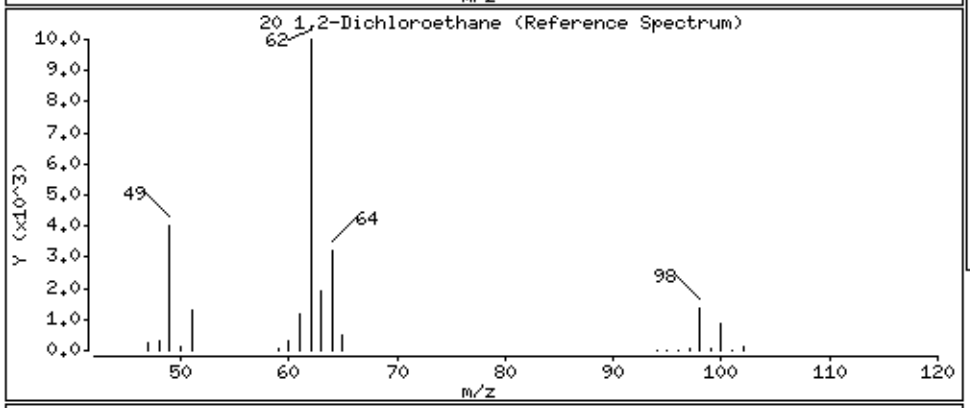
Concentration: 0.207443 ug

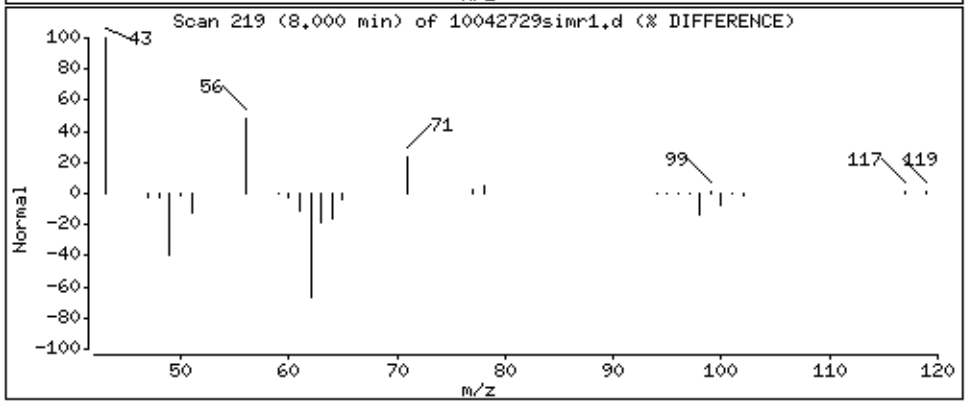












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

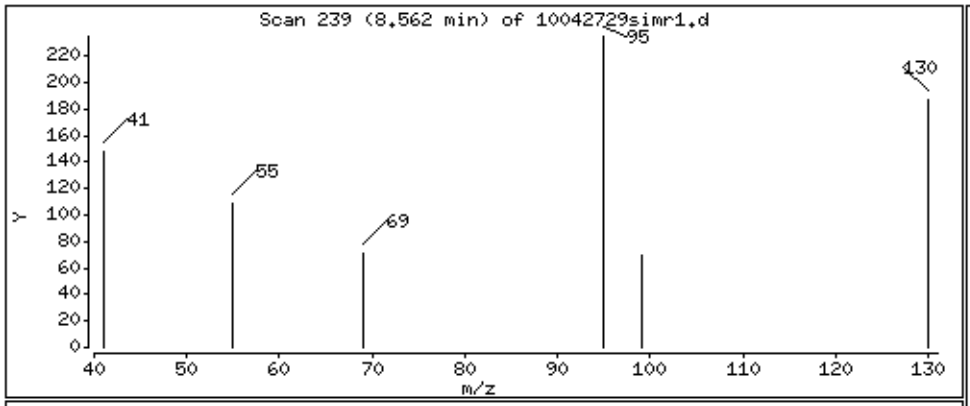
Operator: gm

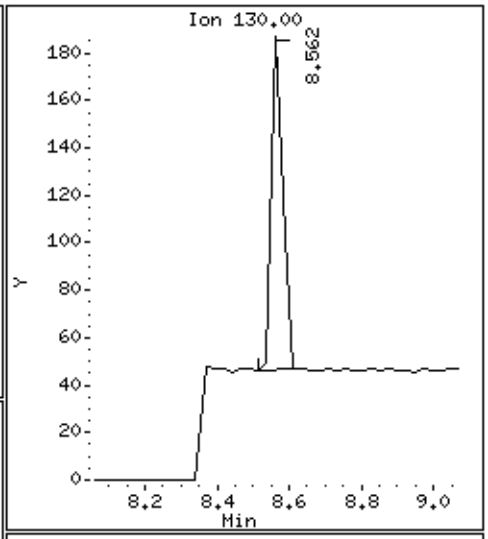
Column phase: DB-5.625

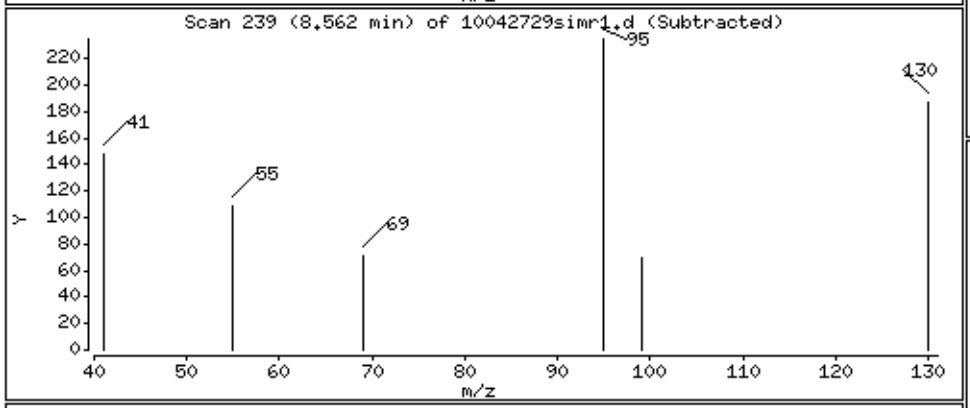
Column diameter: 0.25

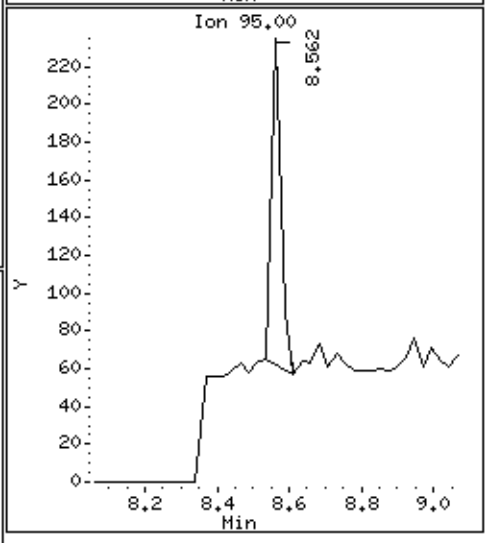
22 Trichloroethene

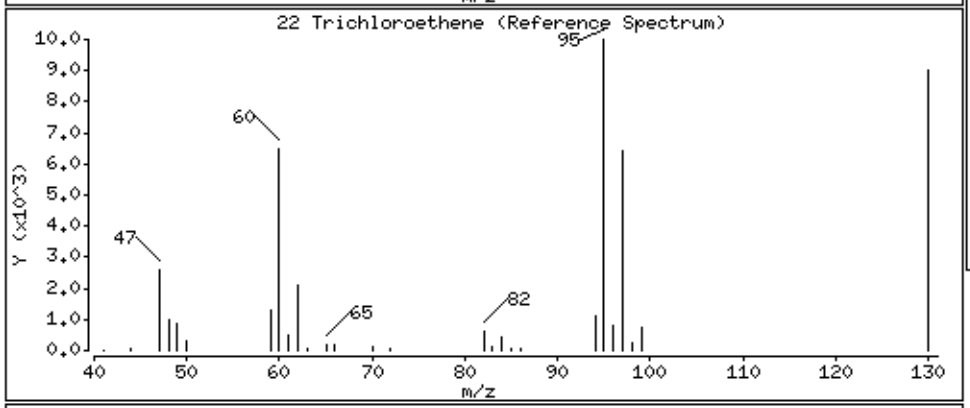
Concentration: 0.0417739 ug

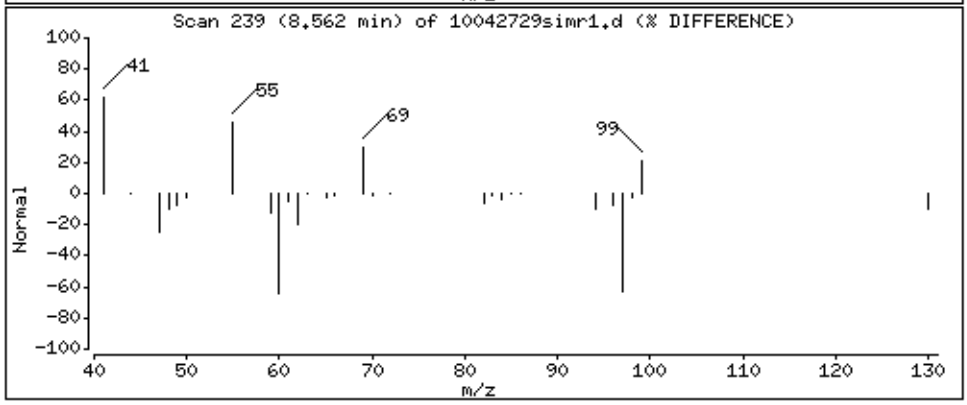












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

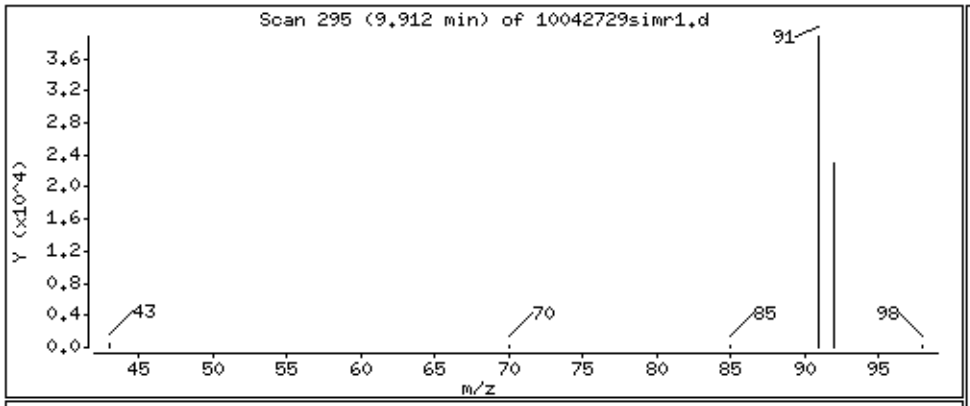
Operator: gm

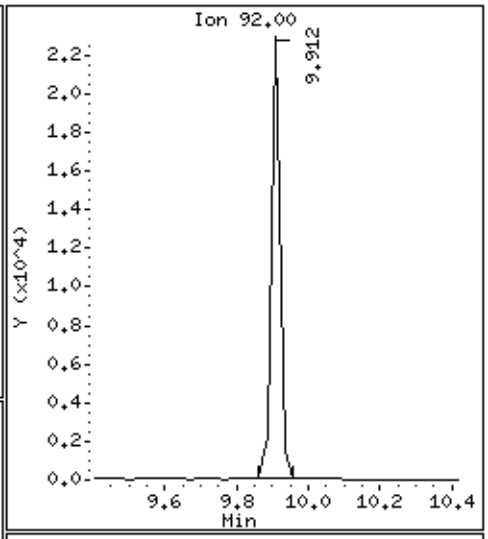
Column phase: DB-5.625

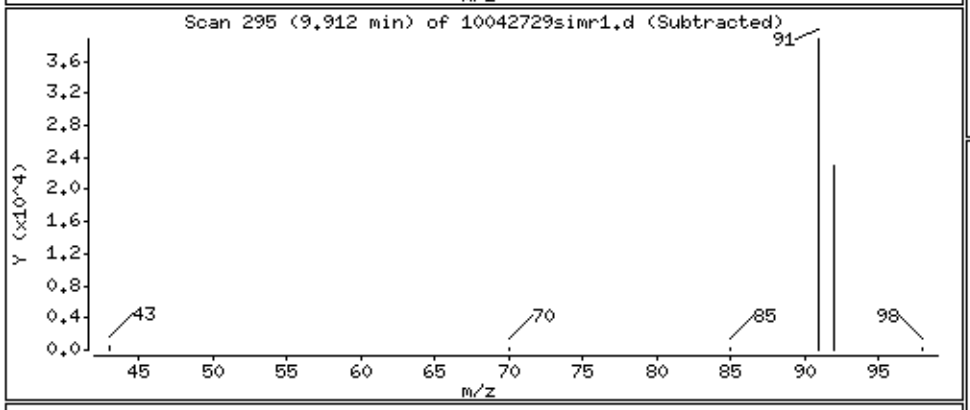
Column diameter: 0.25

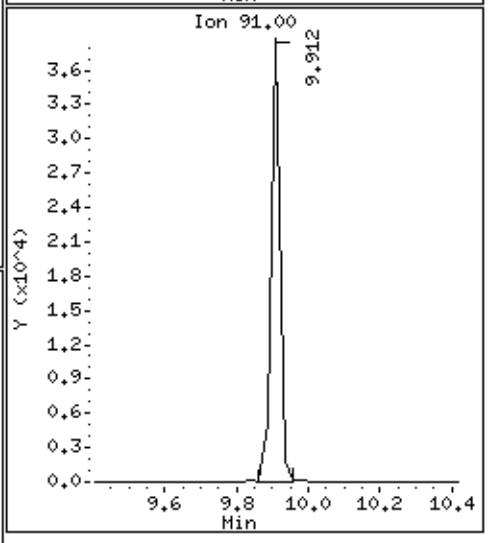
28 Toluene-CCC

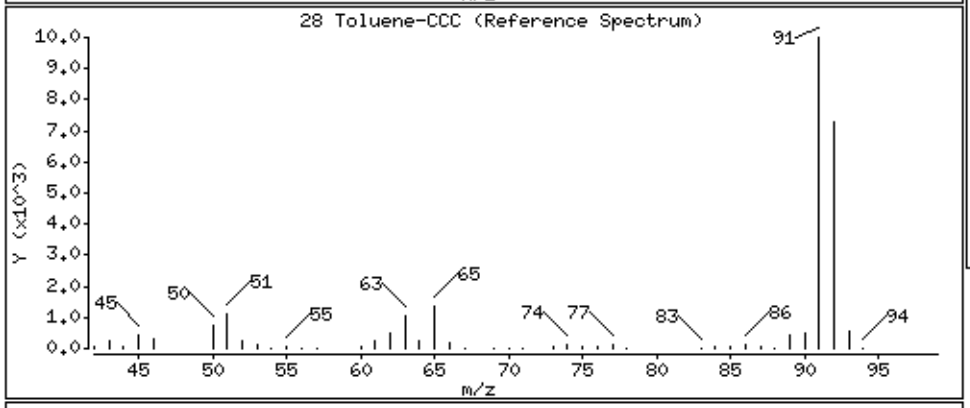
Concentration: 1.84981 ug

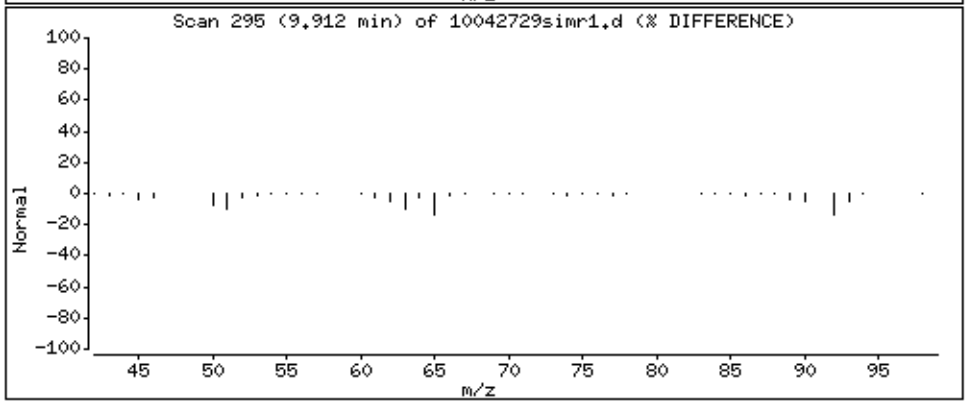












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

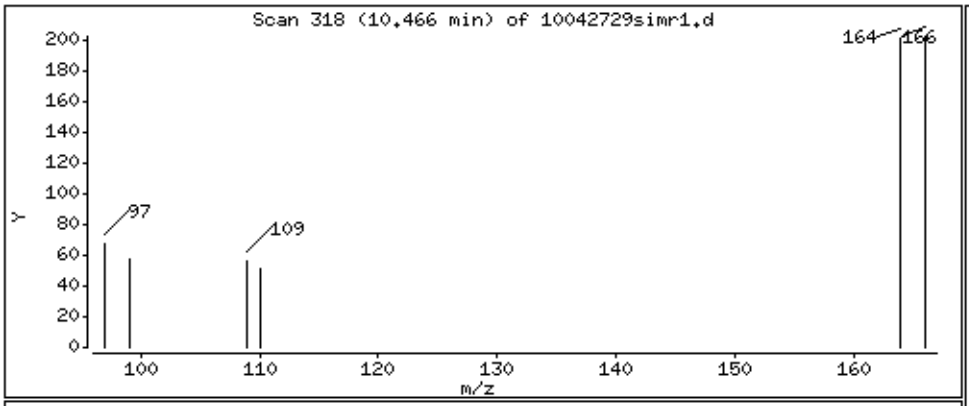
Operator: gm

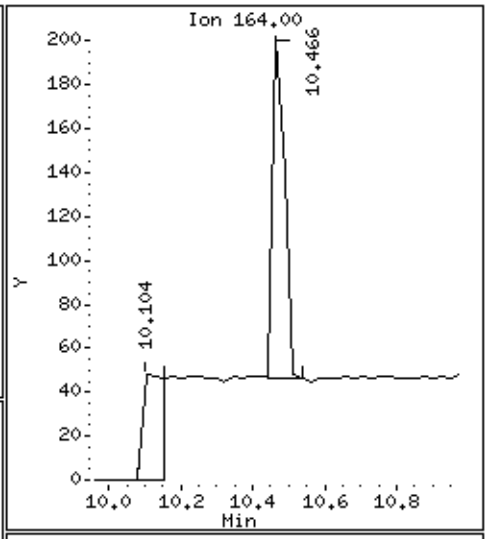
Column phase: DB-5.625

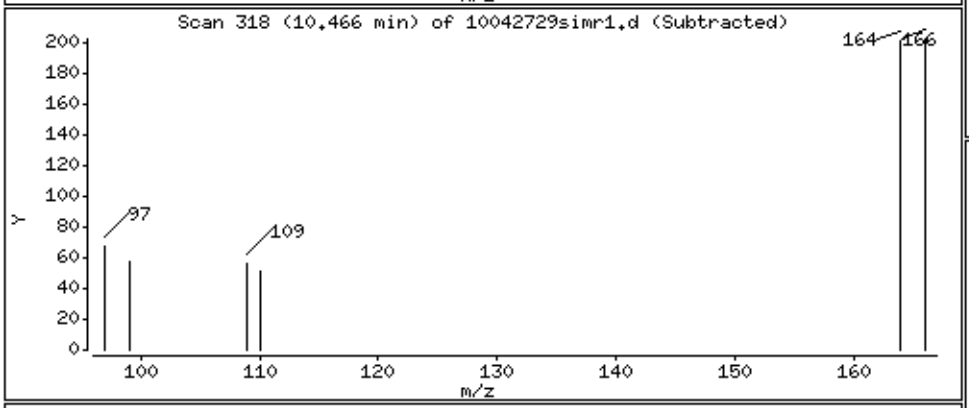
Column diameter: 0.25

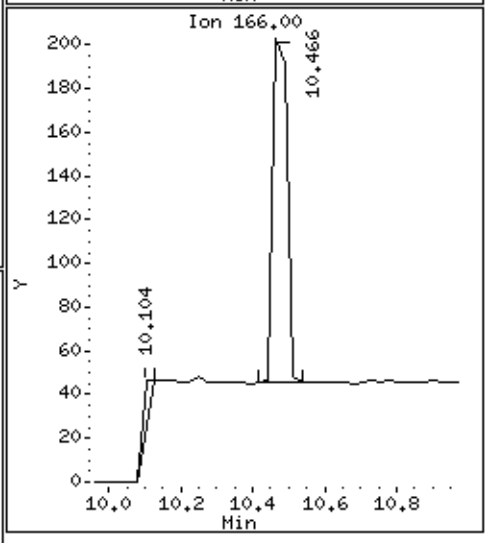
31 Tetrachloroethene

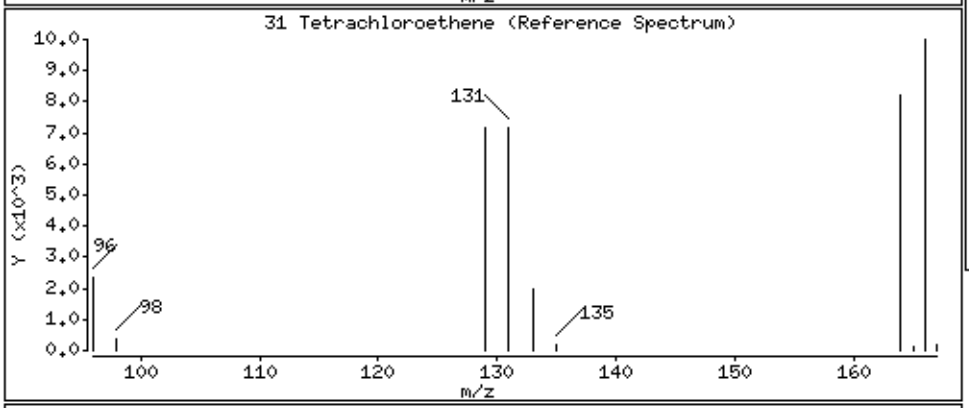
Concentration: 0.0554936 ug

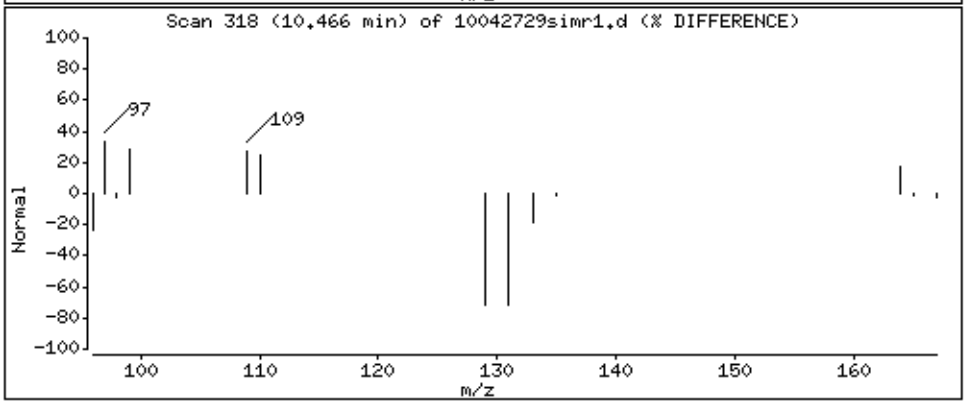












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

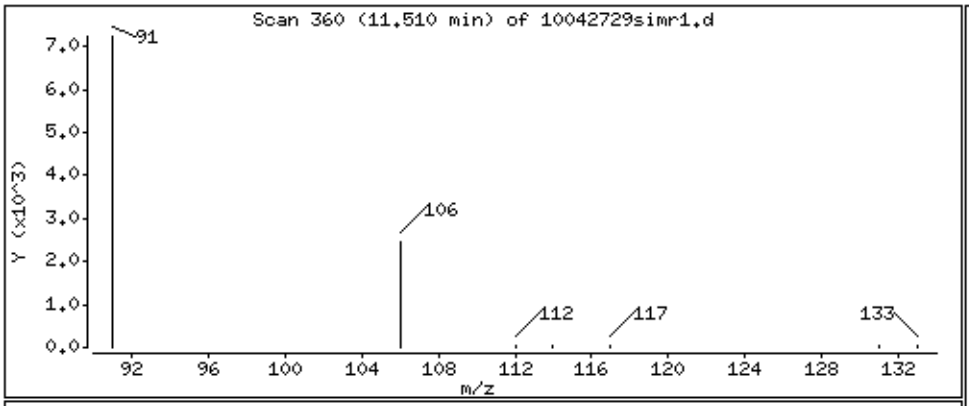
Operator: gm

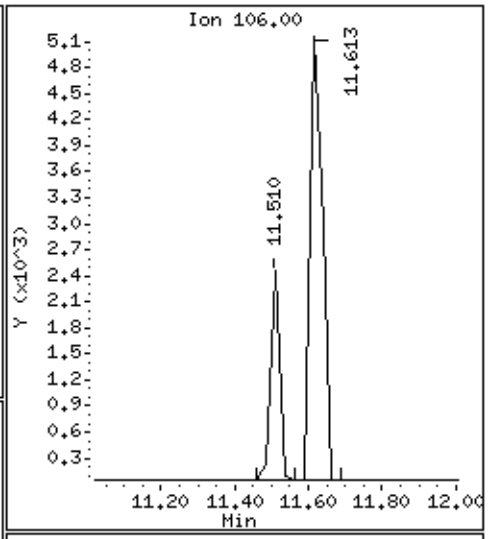
Column phase: DB-5.625

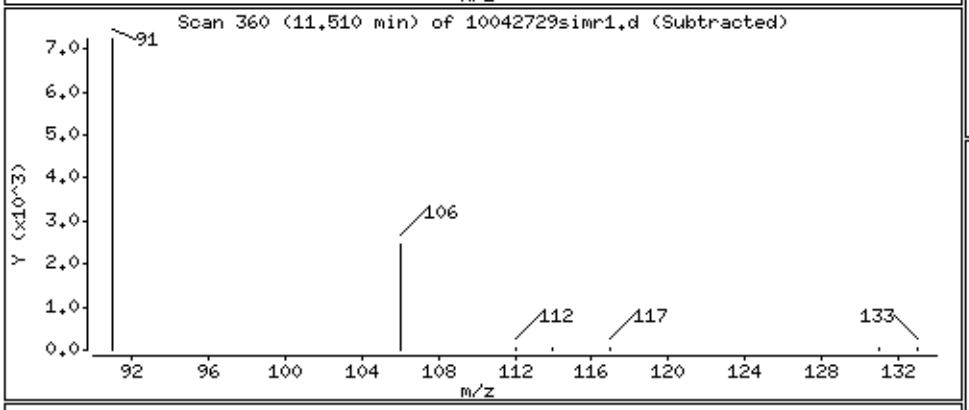
Column diameter: 0.25

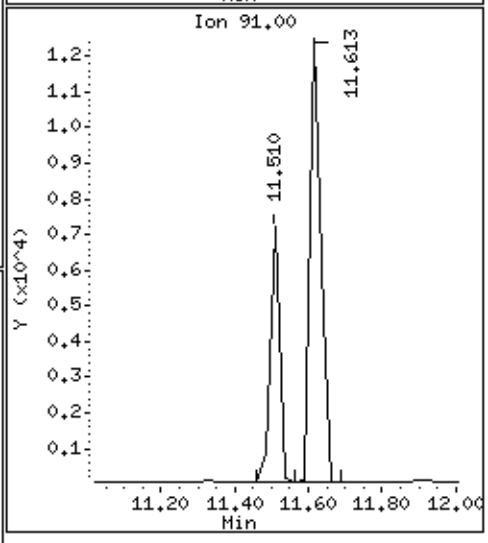
33 Ethylbenzene-CCC

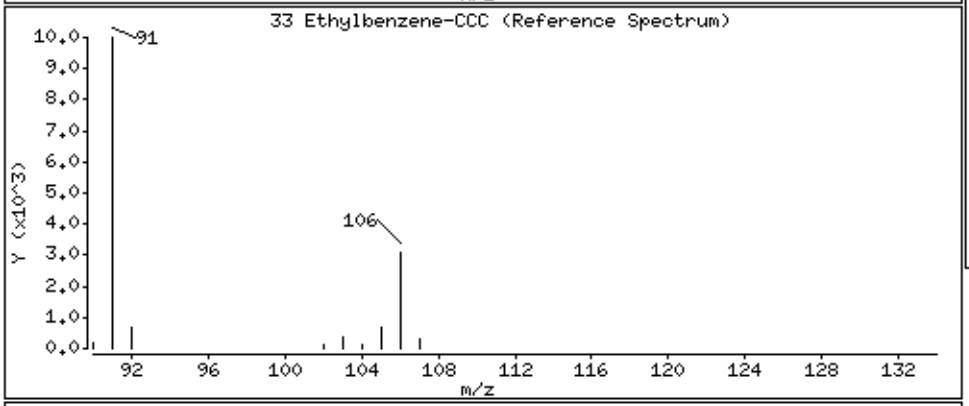
Concentration: 0.284846 ug

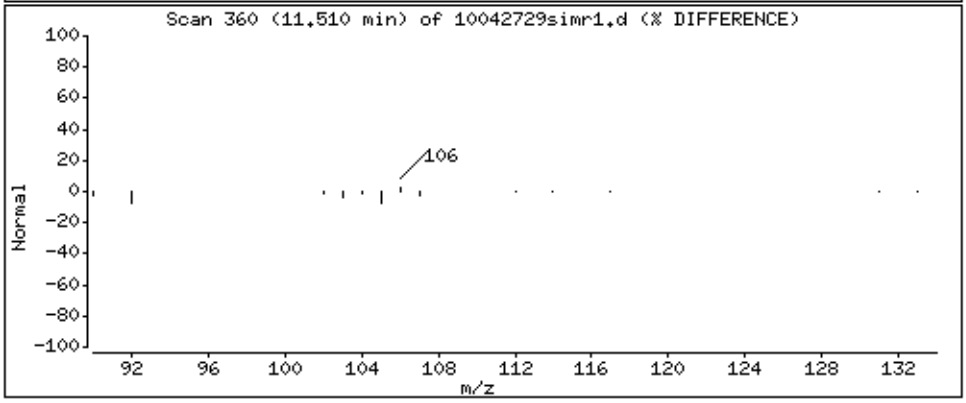












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

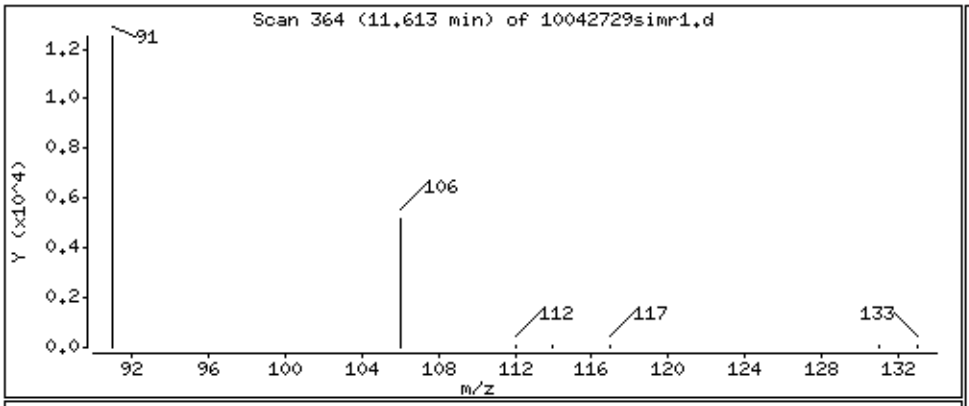
Operator: gm

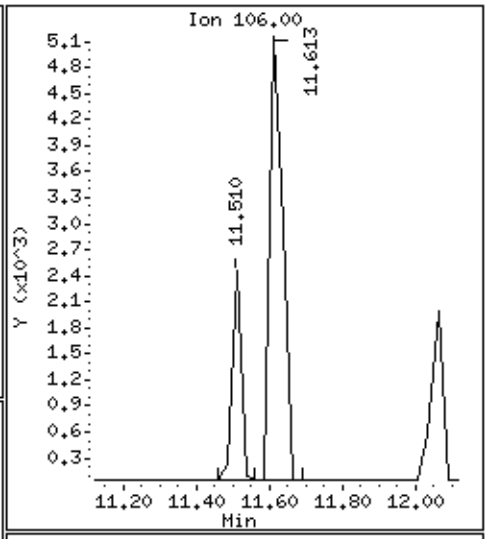
Column phase: DB-5.625

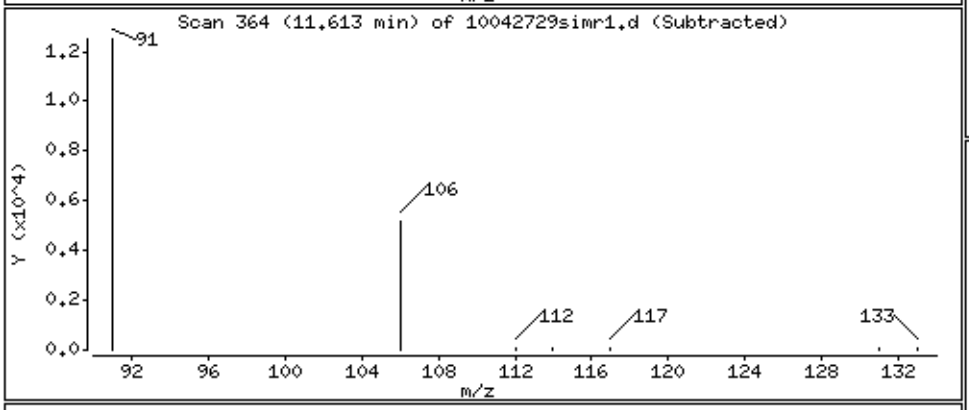
Column diameter: 0.25

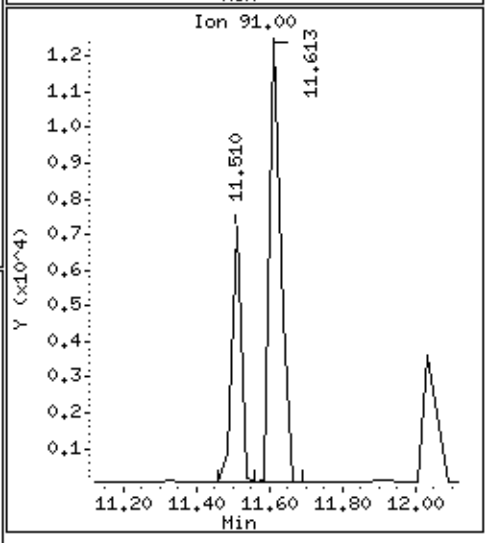
34 m,p-Xylene

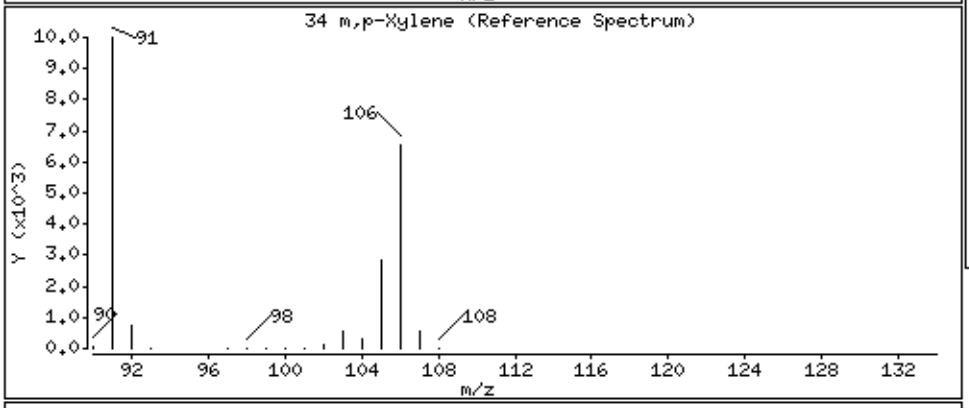
Concentration: 0.837021 ug

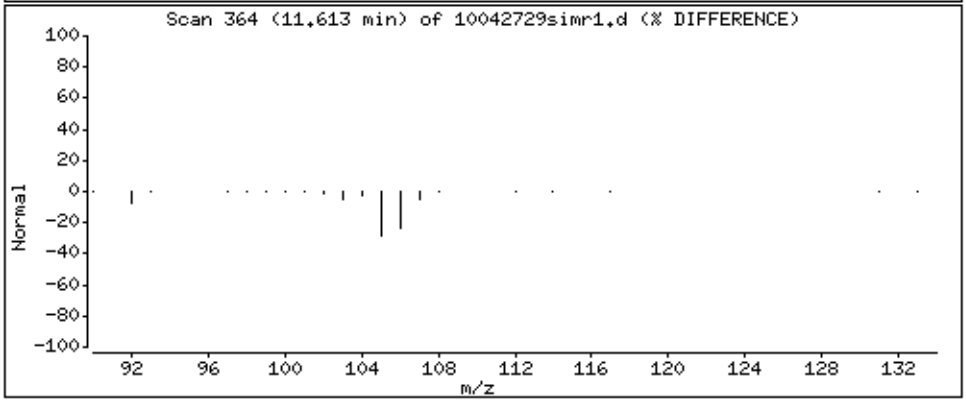












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

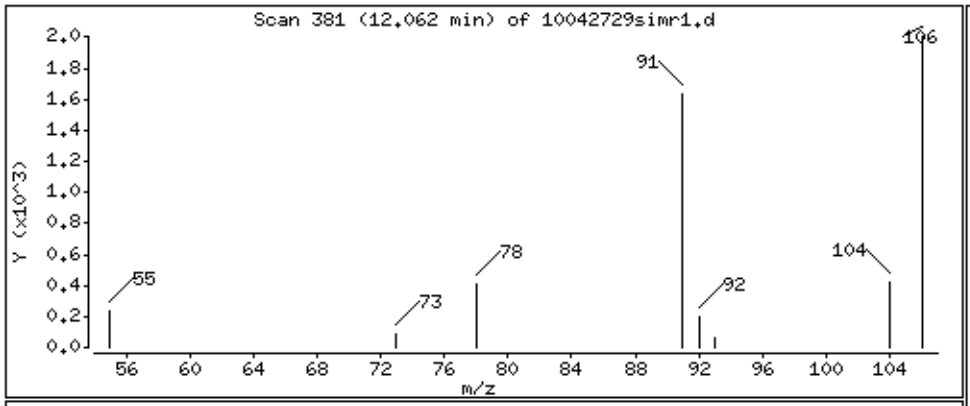
Operator: gm

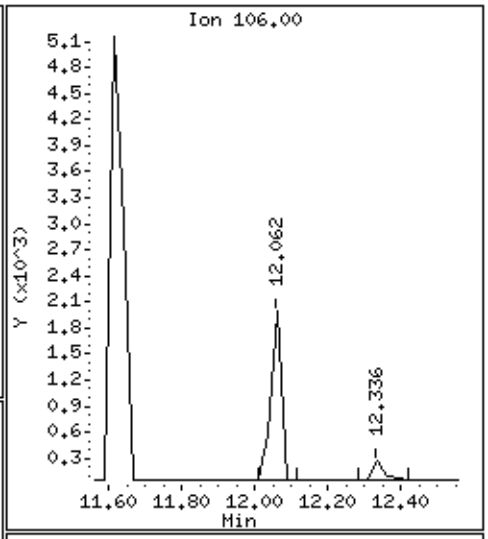
Column phase: DB-5.625

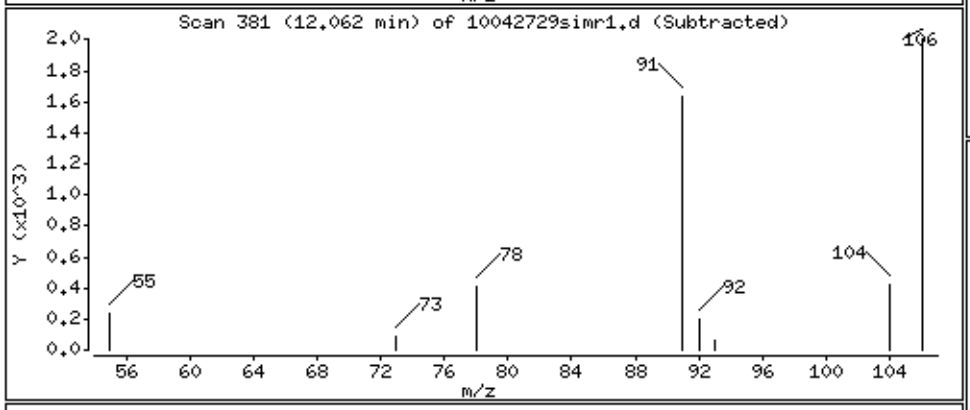
Column diameter: 0.25

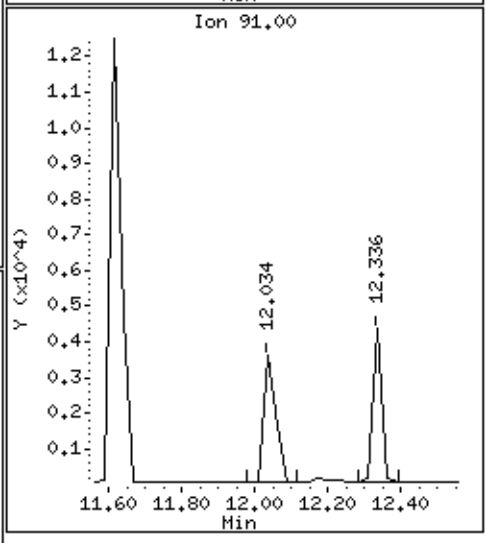
36 o-Xylene

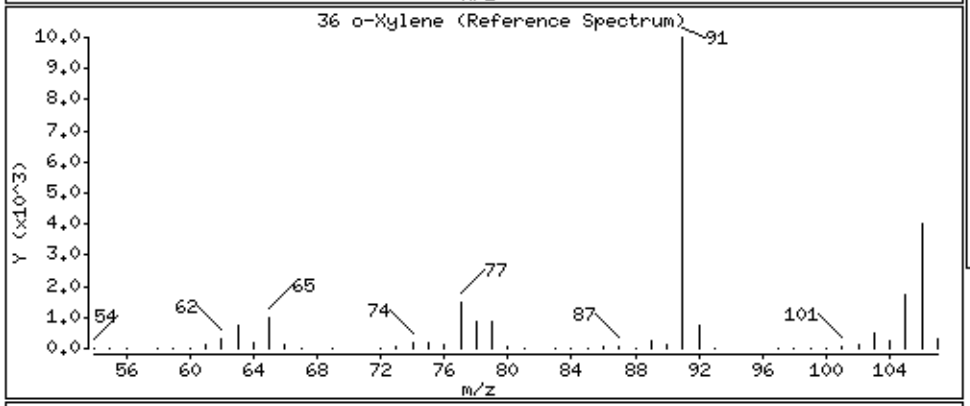
Concentration: 0.280878 ug

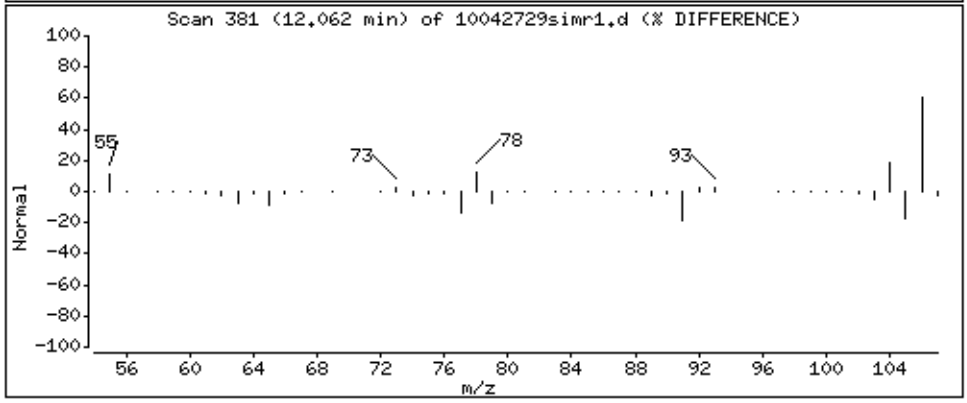












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

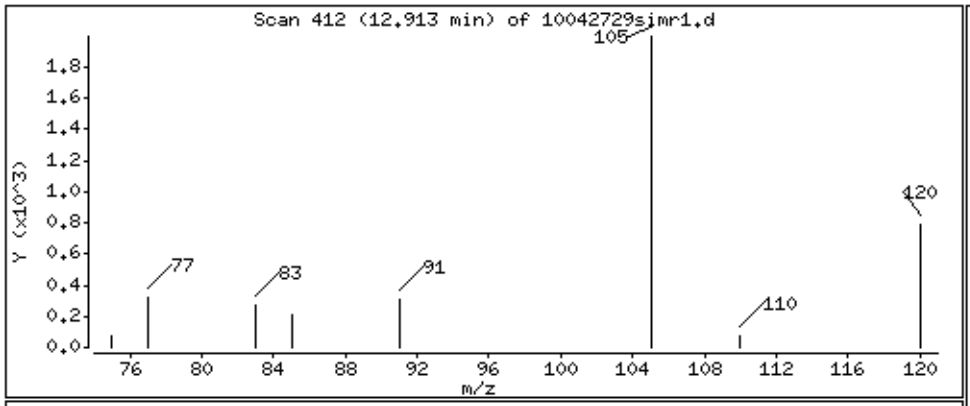
Operator: gm

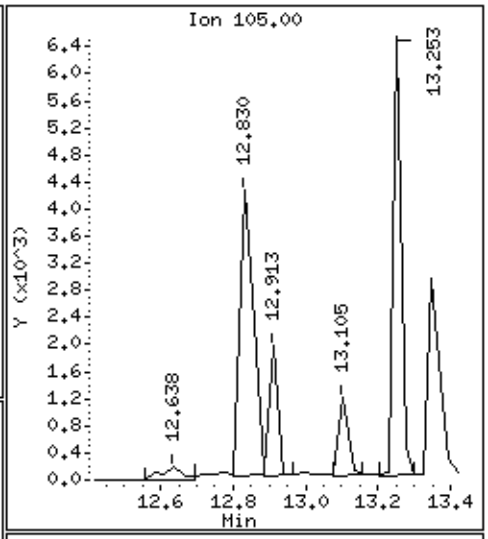
Column phase: DB-5.625

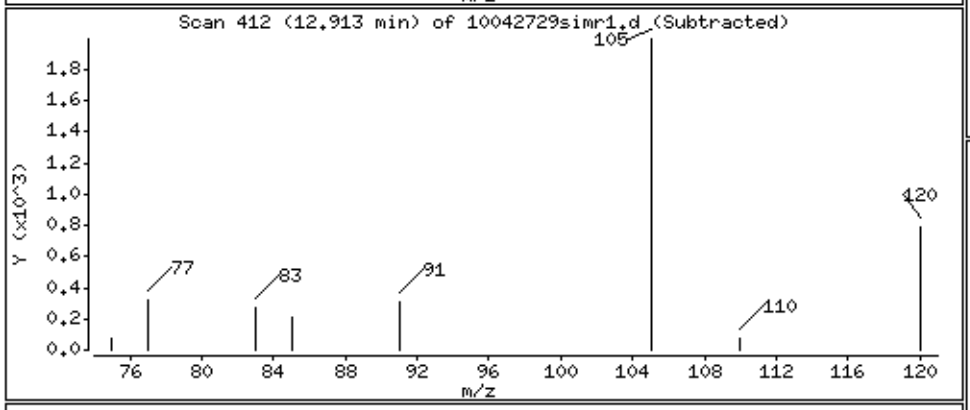
Column diameter: 0.25

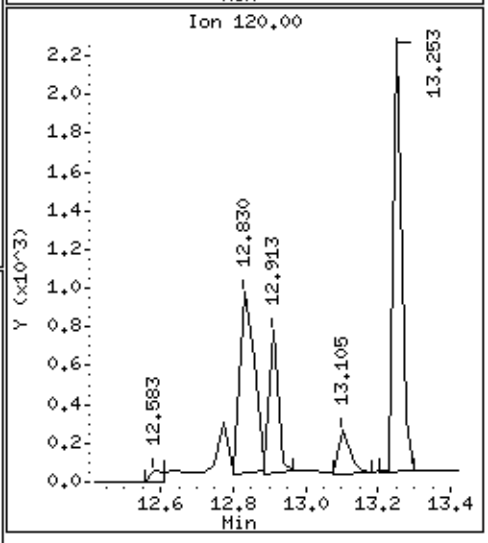
41 1,3,5-Trimethylbenzene

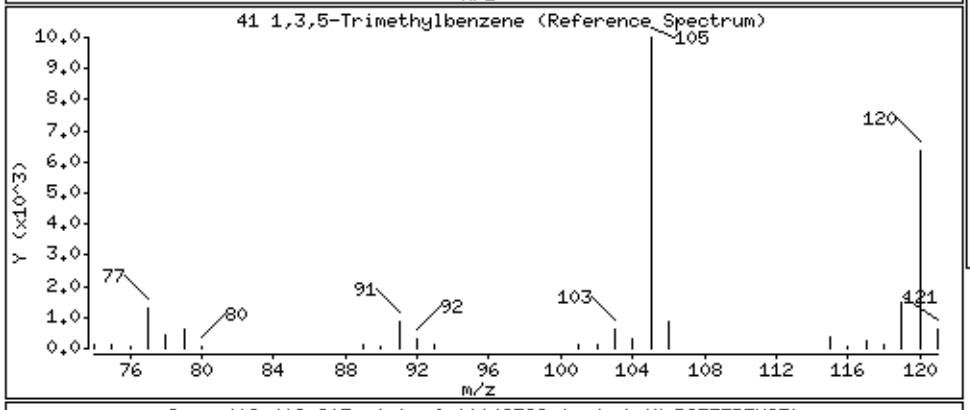
Concentration: 0.0709551 ug

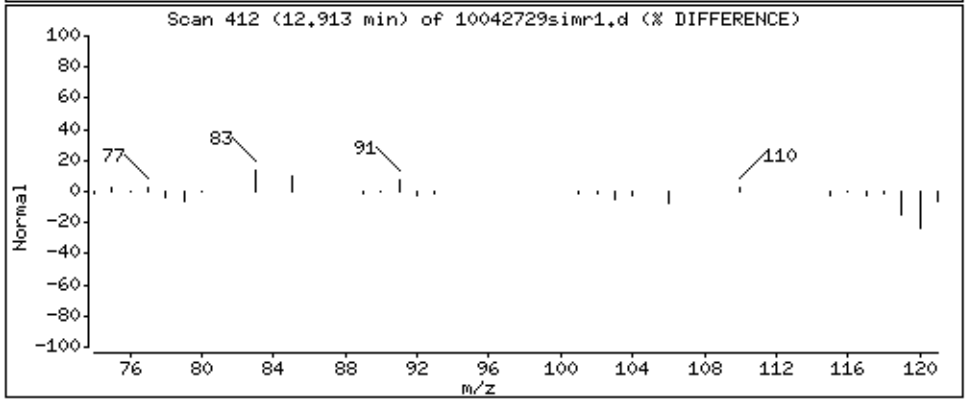












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

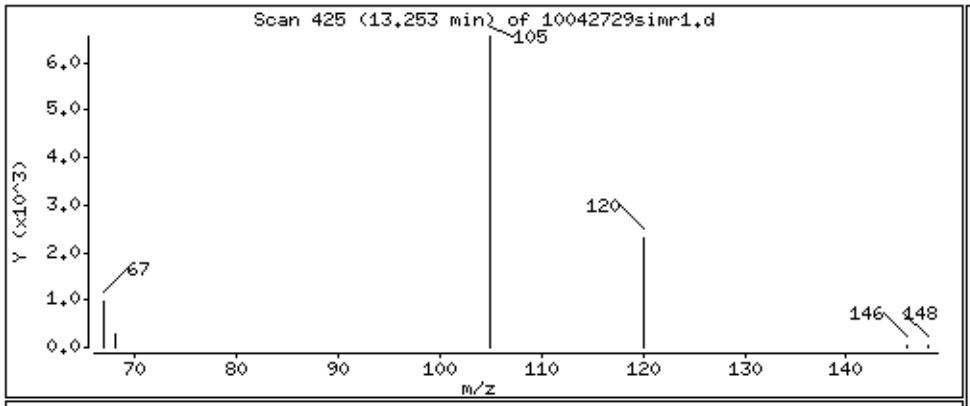
Operator: gm

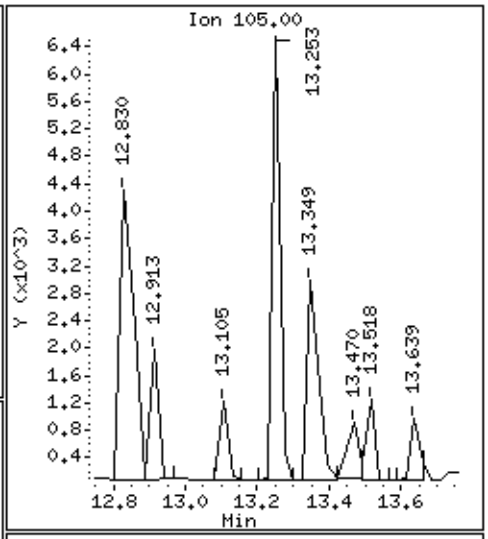
Column phase: DB-5.625

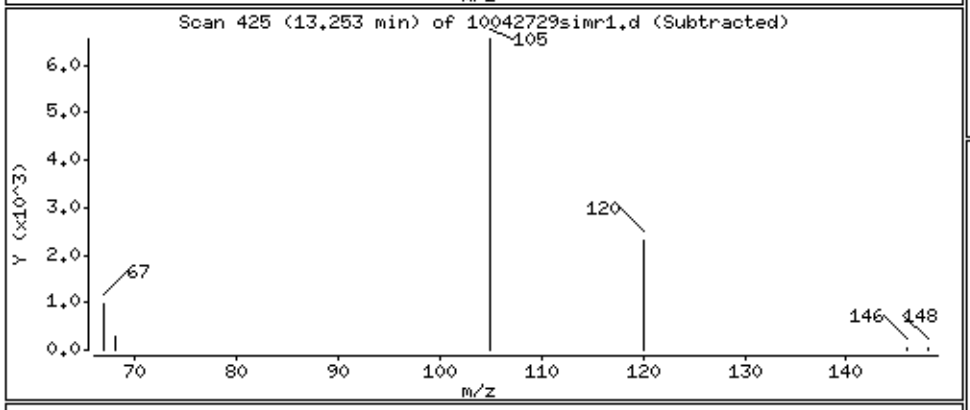
Column diameter: 0.25

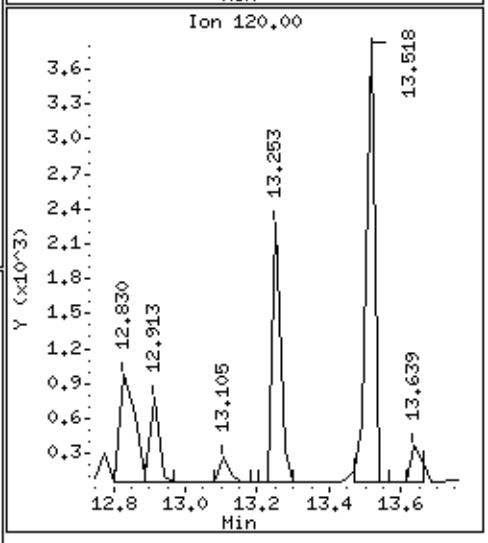
42 1,2,4-Trimethylbenzene

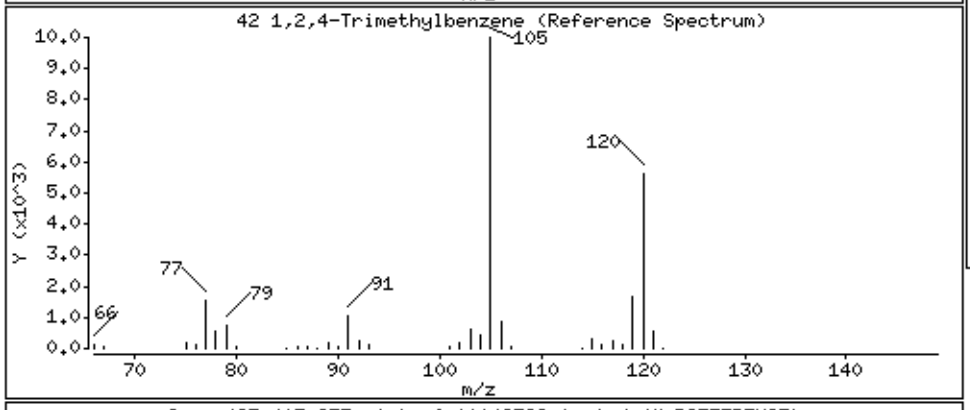
Concentration: 0.253976 ug

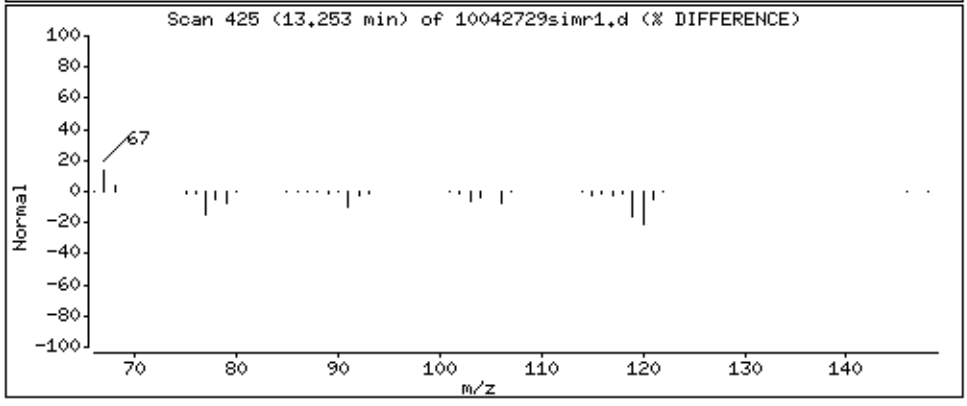












Data File: /chem/msd10.i/27Apr2015.b/10042729simr1.d

Date : 27-APR-2015 19:00

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-04A;

Volume Injected (uL): 1.0

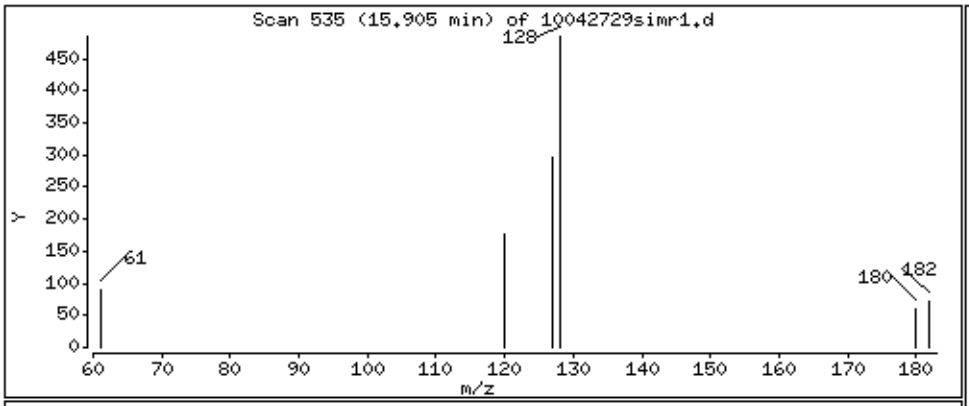
Operator: gm

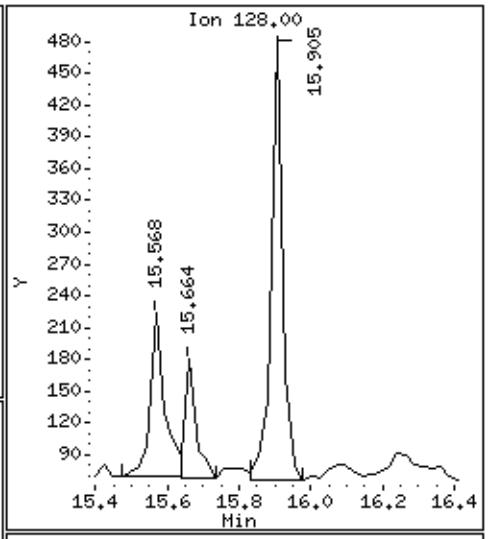
Column phase: DB-5.625

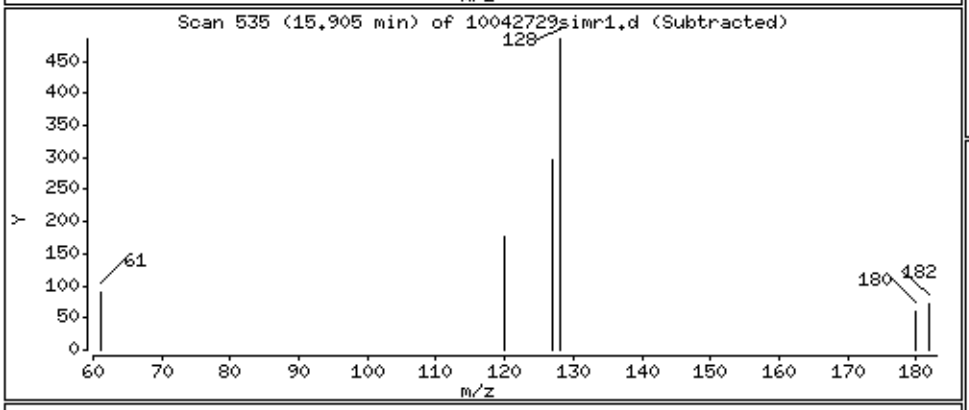
Column diameter: 0.25

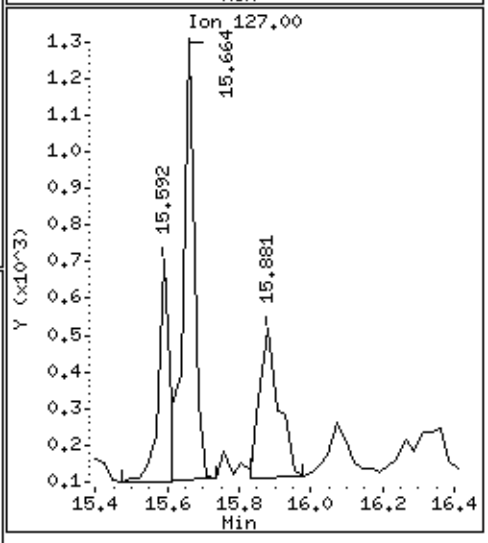
49 Naphthalene

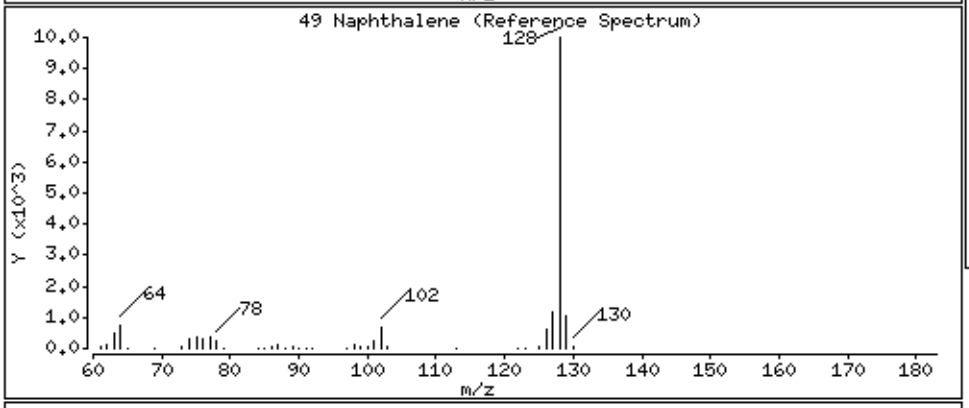
Concentration: 0.0148019 ug

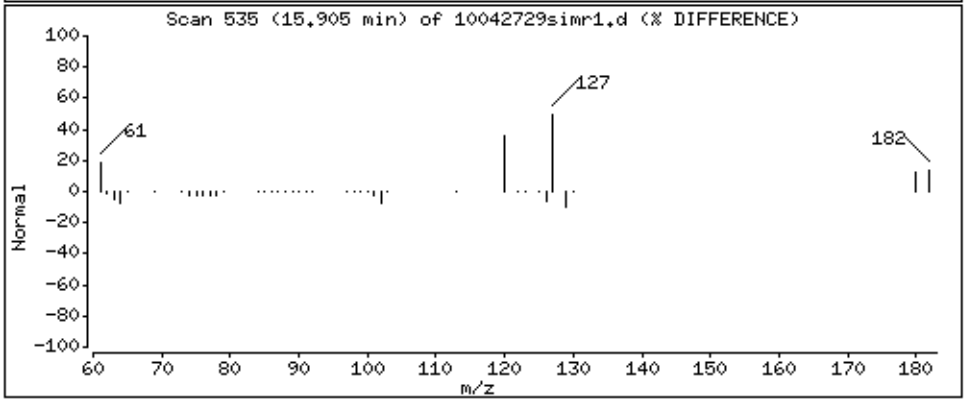












eurofins | Air Toxics

Client Sample ID: 914NP

Lab ID#: 1504459R1-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**10042730simr1**	**Date of Collection: 4/17/15 12:35:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 4/27/15 07:24 PM**
		Date of Extraction: 4/27/15

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Benzene	0.40	0.50	0.44	0.55
1,2-Dichloroethane	0.10	0.13	0.033 J	0.043 J
Trichloroethene	0.10	0.14	0.013 J	0.018 J
Toluene	0.10	0.13	0.99	1.3
Tetrachloroethene	0.10	0.17	0.046 J	0.078 J
Ethyl Benzene	0.10	0.15	0.14	0.21
m,p-Xylene	0.10	0.14	0.46	0.65
o-Xylene	0.10	0.15	0.15	0.23
Naphthalene	0.10	0.40	0.0083 J	0.033 J
1,1-Dichloroethane	0.10	0.16	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.52	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.20	0.19	0.37
1,3,5-Trimethylbenzene	0.10	0.19	0.050 CJ	0.094 CJ
Vinyl Chloride	0.40	0.44	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10070 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042730simr1.d
Lab Smp Id: 1504459R1-05A
Inj Date : 27-APR-2015 19:24
Operator : gm Inst ID: msd10.i
Smp Info : ;1504459R1-05A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 08-May-2015 15:50 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2	Vinyl Chloride	62	Compound Not Detected.					
4	1,1-Dichloroethene-CCC	96	Compound Not Detected.					
8	trans-1,2-Dichloroethene	96	Compound Not Detected.					
11	1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
14	cis-1,2-Dichloroethene	96	Compound Not Detected.					
17	1,1,1-Trichloroethane	97	Compound Not Detected.					
19	Benzene	78	7.938	7.938	(0.782)	10844	0.22243	0.444854
20	1,2-Dichloroethane	62	8.000	7.999	(0.788)	347	0.01665	0.0333088(aM)
22	Trichloroethene	130	8.586	8.562	(0.846)	99	0.00646	0.0129174(aM)
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	270879	4.97758	9.95516
28	Toluene-CCC	92	9.912	9.912	(0.976)	22762	0.49356	0.987129
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	301168	5.00000	
30	1,1,2-Trichloroethane	97	Compound Not Detected.					
31	Tetrachloroethene	164	10.466	10.466	(1.031)	338	0.02311	0.0462269(a)
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	2244	0.07092	0.141833
34	m,p-Xylene	106	11.613	11.613	(1.144)	7550	0.22808	0.456166

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
36 o-Xylene	106	12.062	12.062	(1.188)	2478	0.07647	0.152932
41 1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	2624	0.02504	0.0500851(a)
42 1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	8151	0.09323	0.186464
49 Naphthalene	128	15.905	15.905	(1.567)	571	0.00414	0.00828208(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042730simr1.d
Lab Smp Id: 1504459R1-05A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	301168	39.35

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 13-Jul-2015 12:28

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 27Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504459R1-05A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 26 Toluene-d8	10.0000	9.95516	99.55	70-130

Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

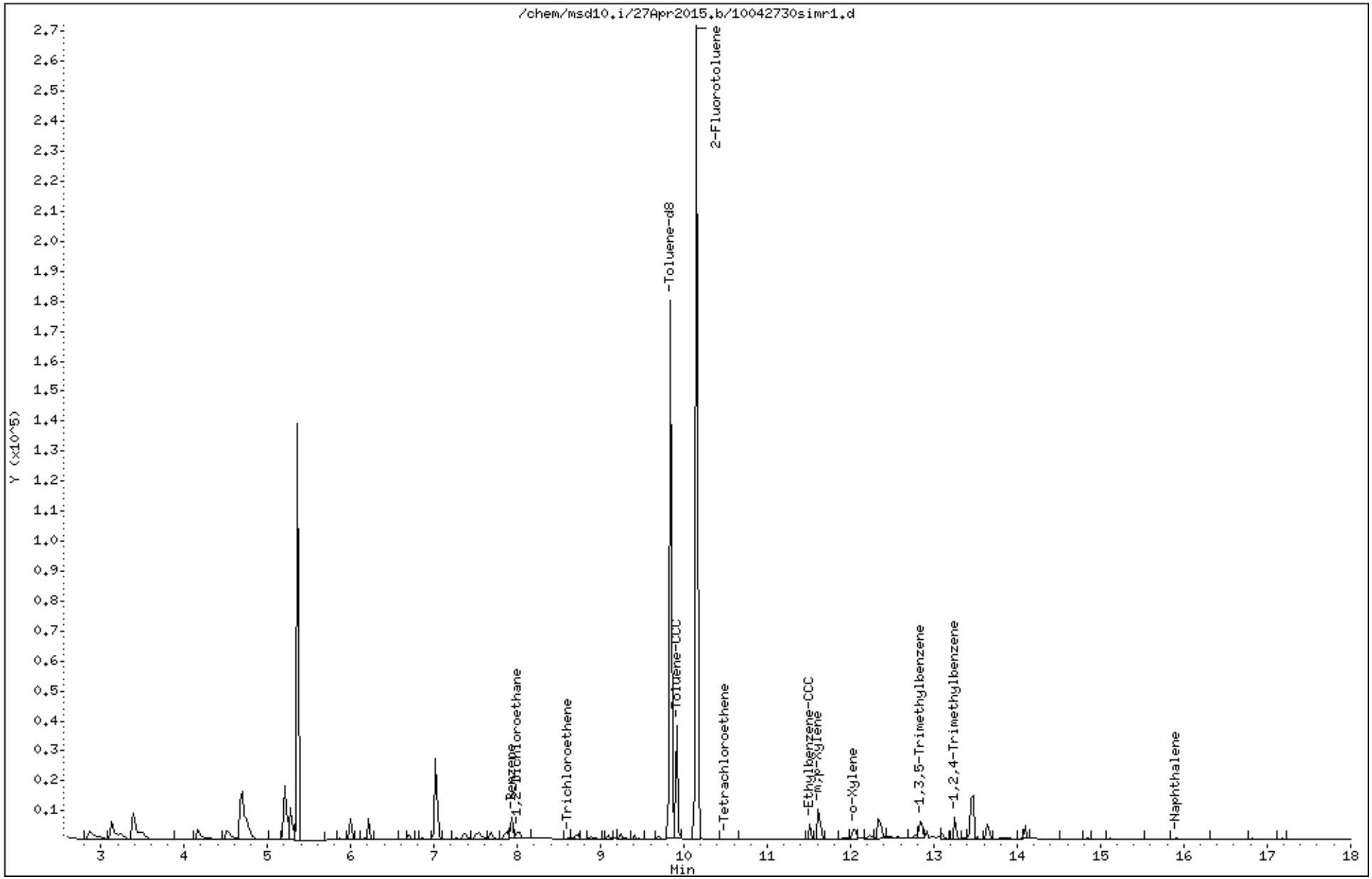
Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

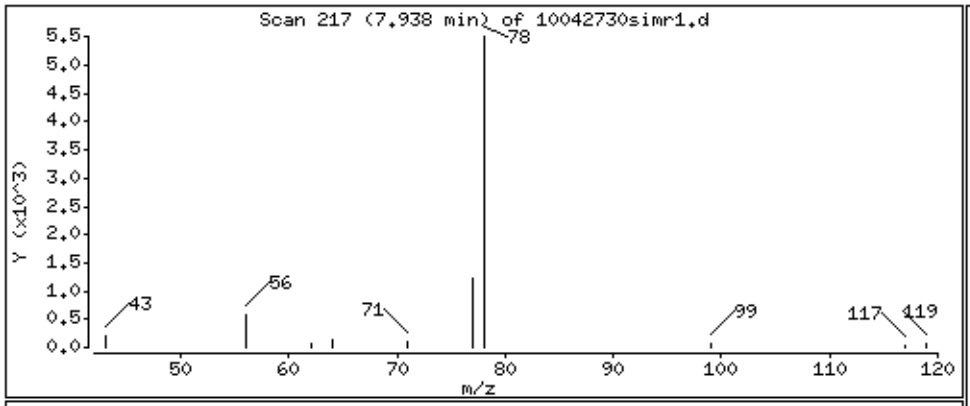
Operator: gm

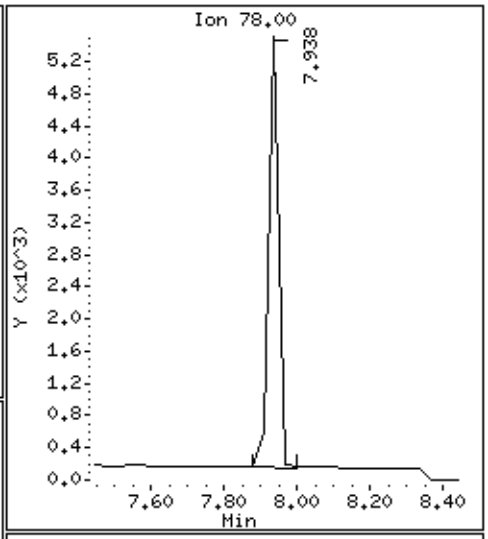
Column phase: DB-5.625

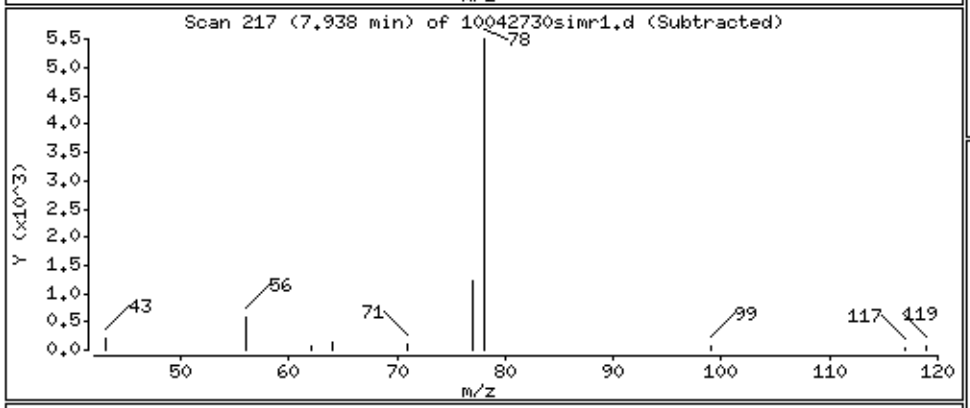
Column diameter: 0.25

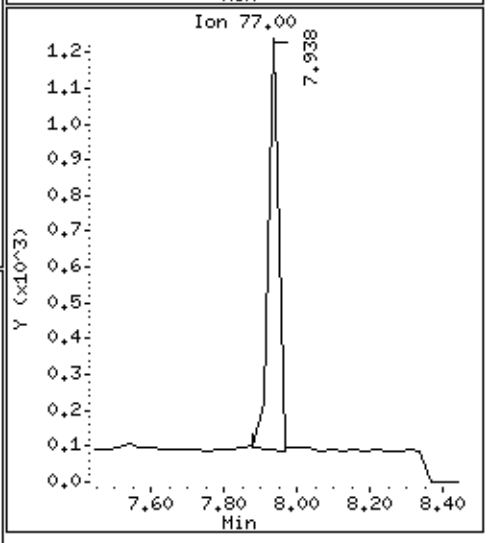
19 Benzene

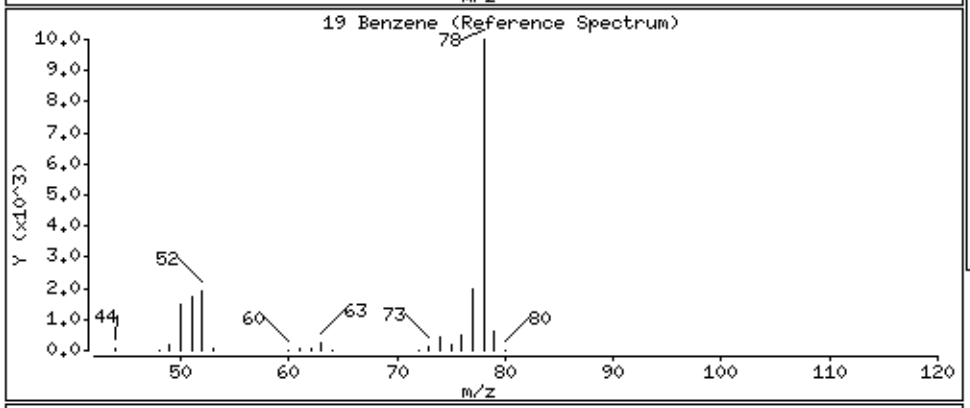
Concentration: 0.444854 ug

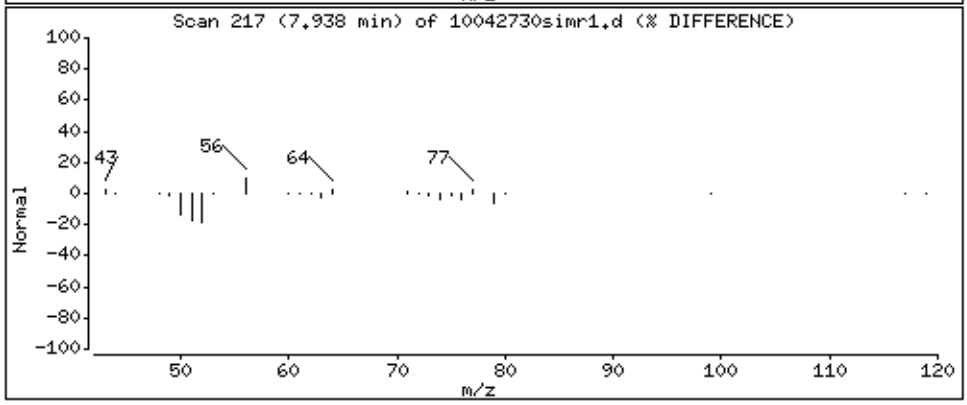












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

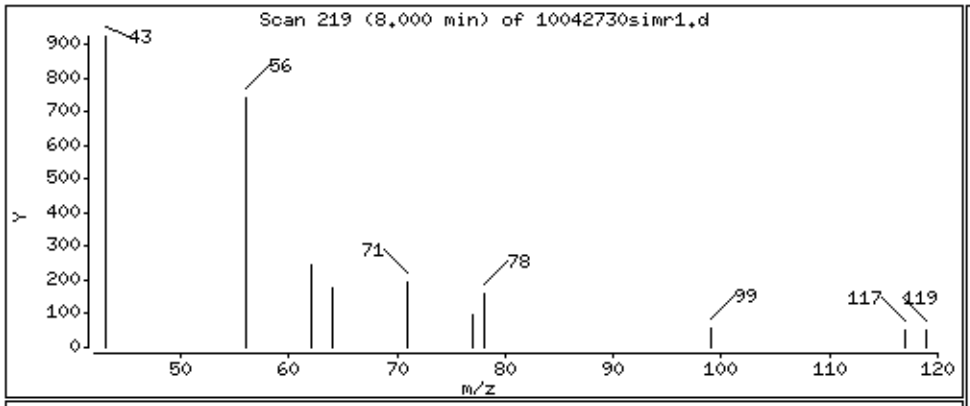
Operator: gm

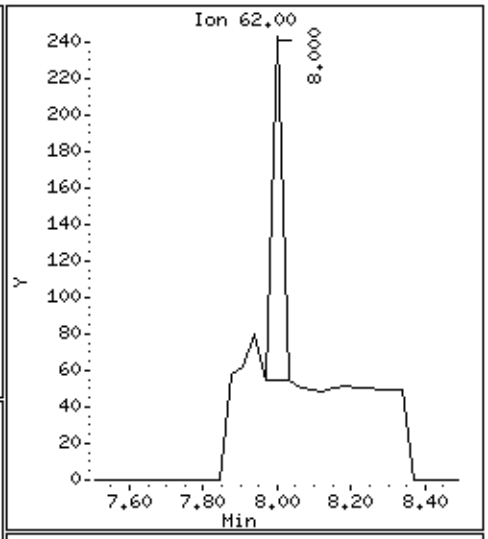
Column phase: DB-5.625

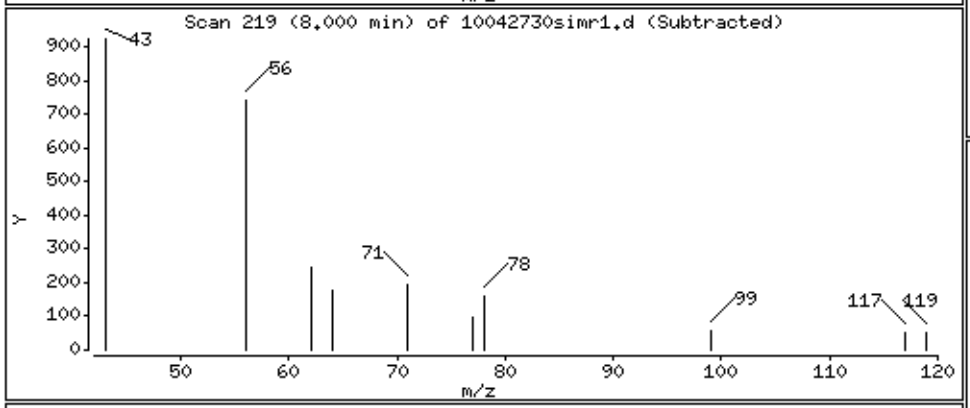
Column diameter: 0.25

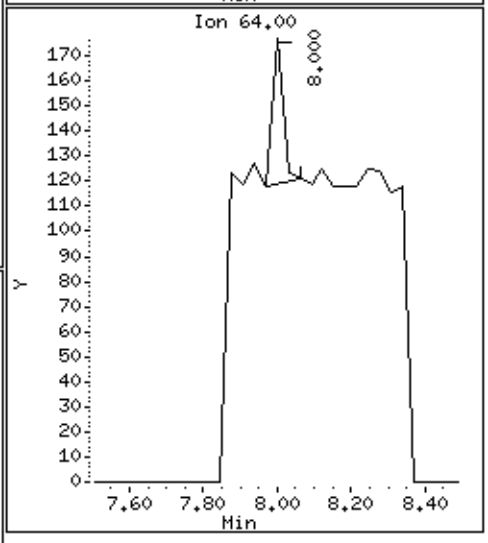
20 1,2-Dichloroethane

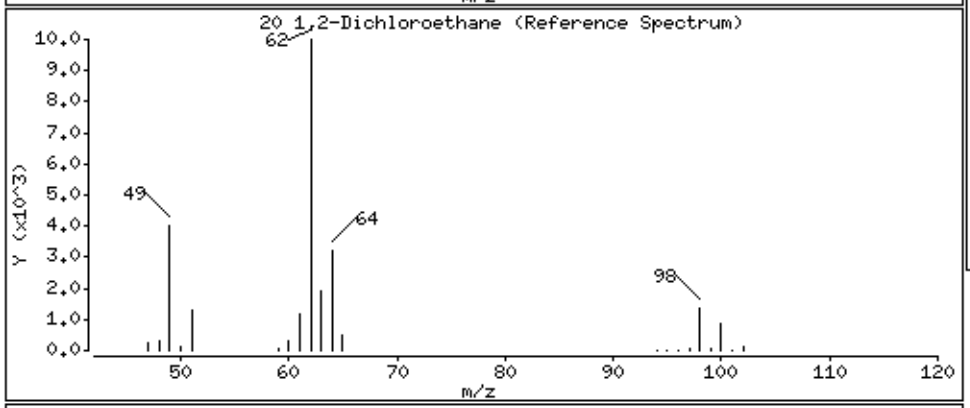
Concentration: 0.0333088 ug

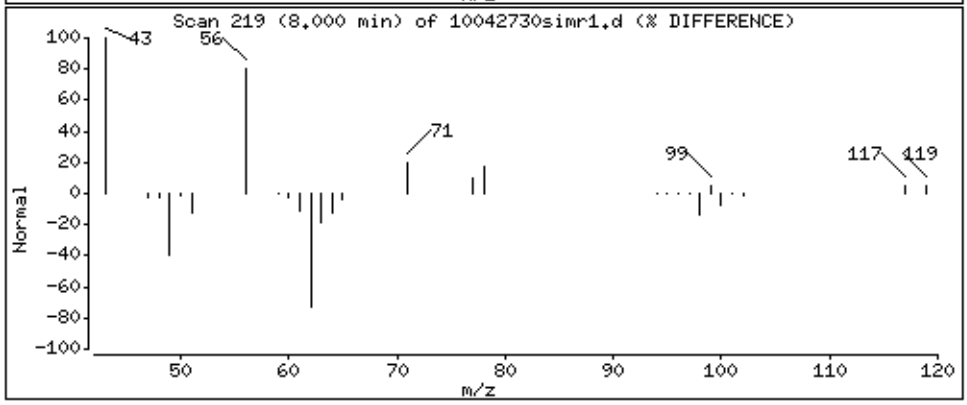












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

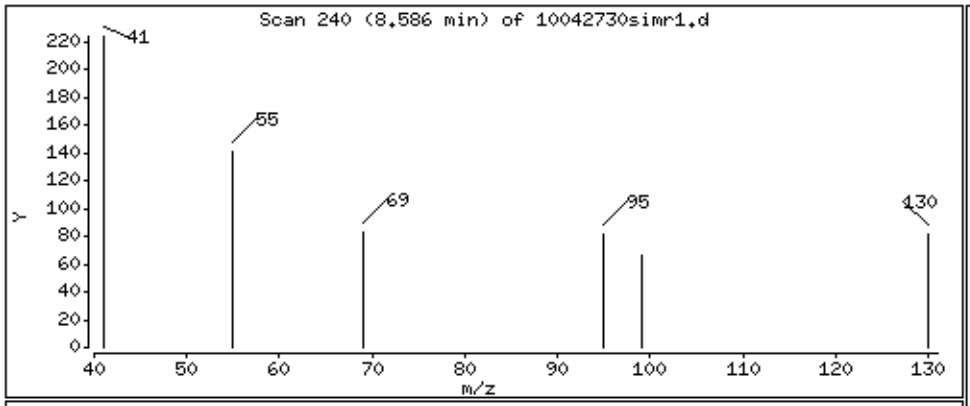
Operator: gm

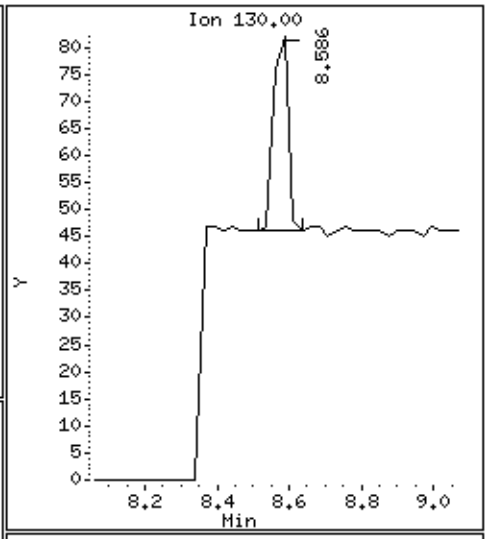
Column phase: DB-5.625

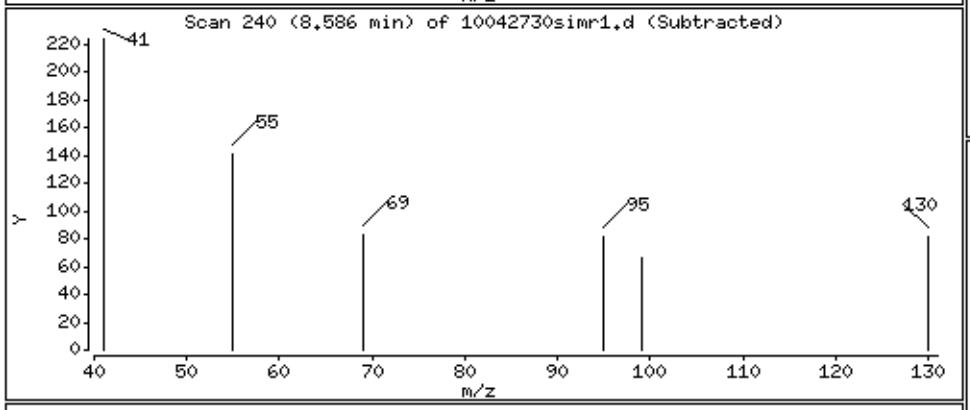
Column diameter: 0.25

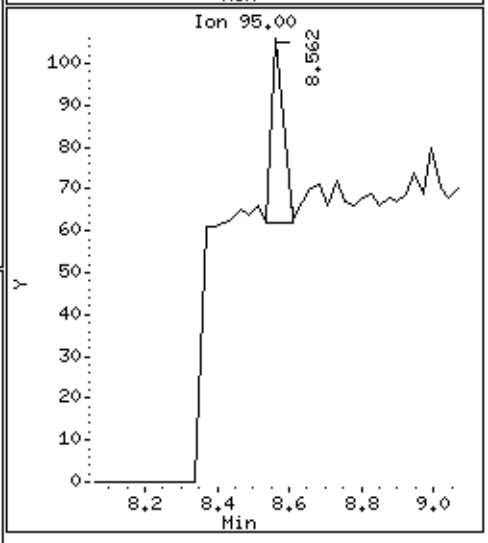
22 Trichloroethene

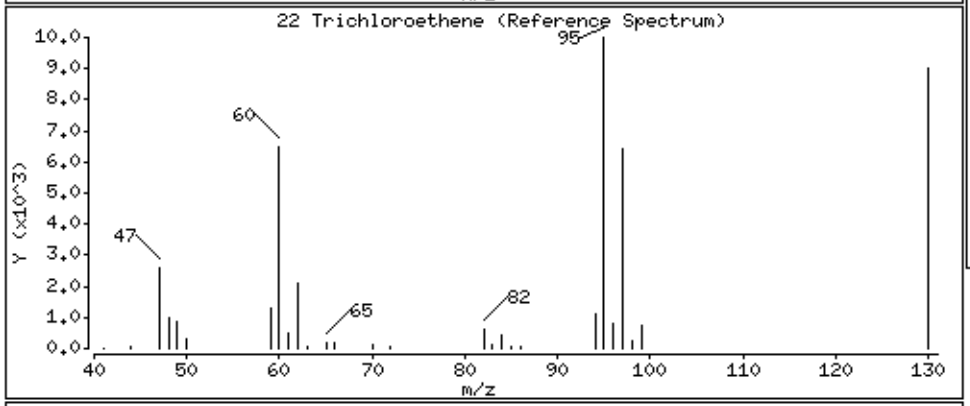
Concentration: 0.0129174 ug

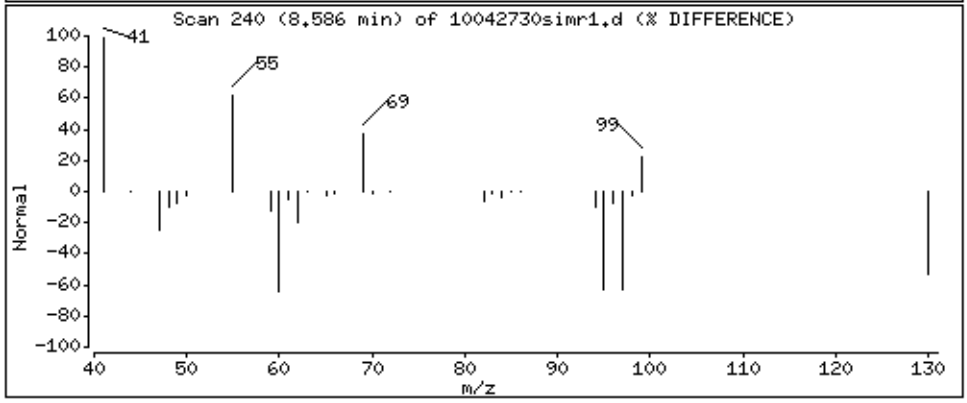












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

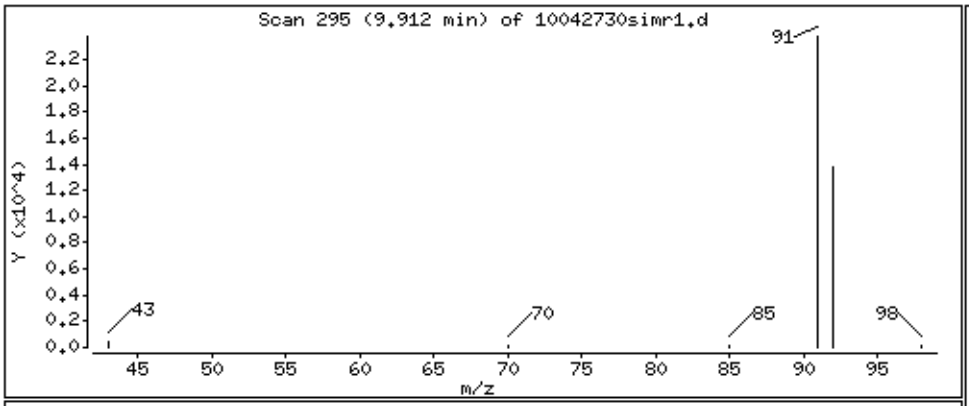
Operator: gm

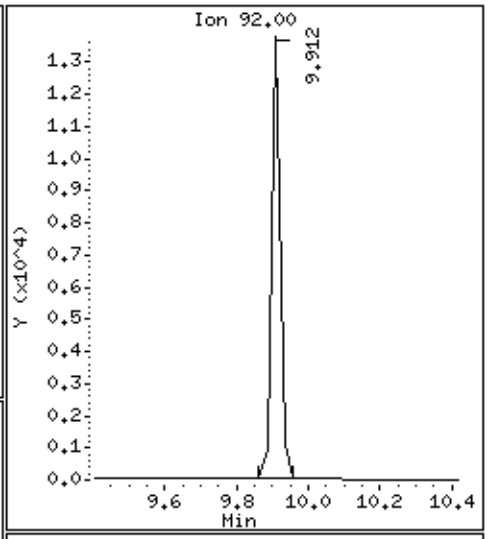
Column phase: DB-5.625

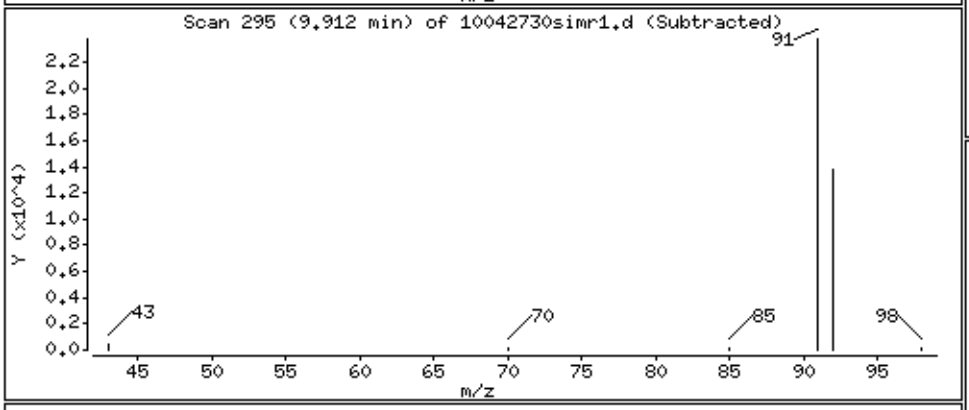
Column diameter: 0.25

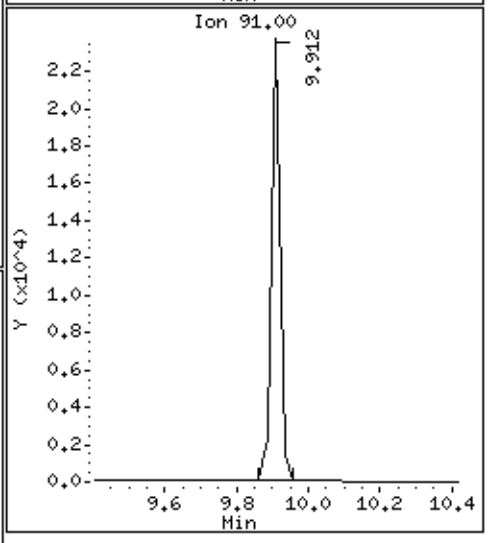
28 Toluene-CCC

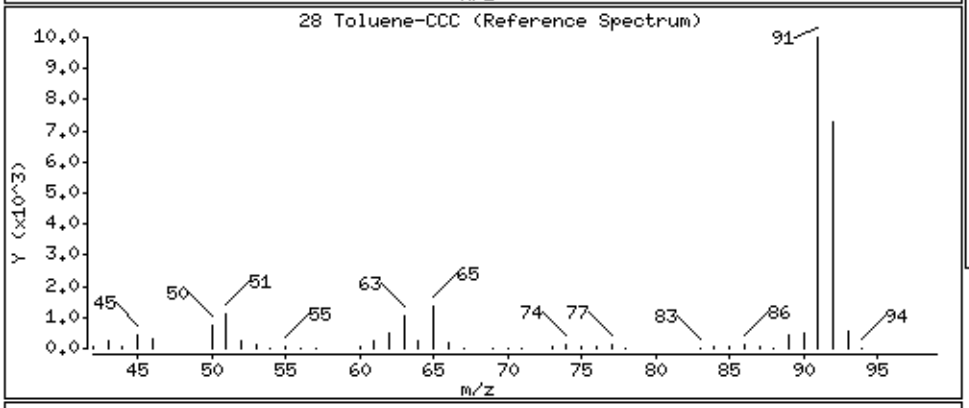
Concentration: 0.987129 ug

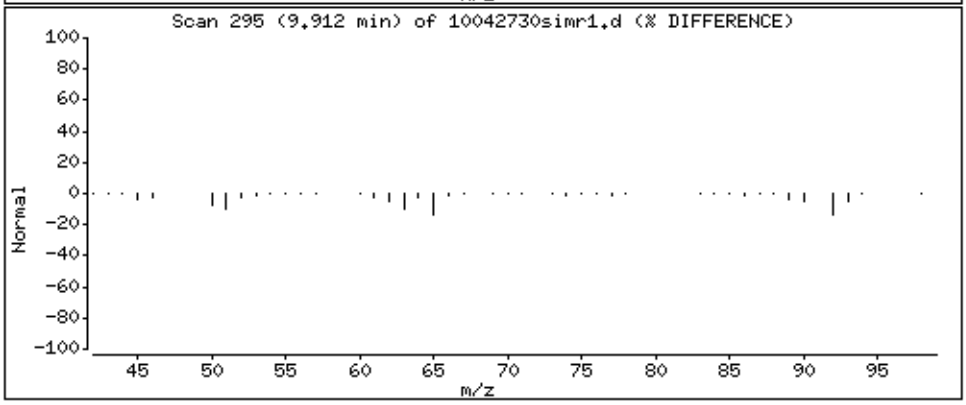












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

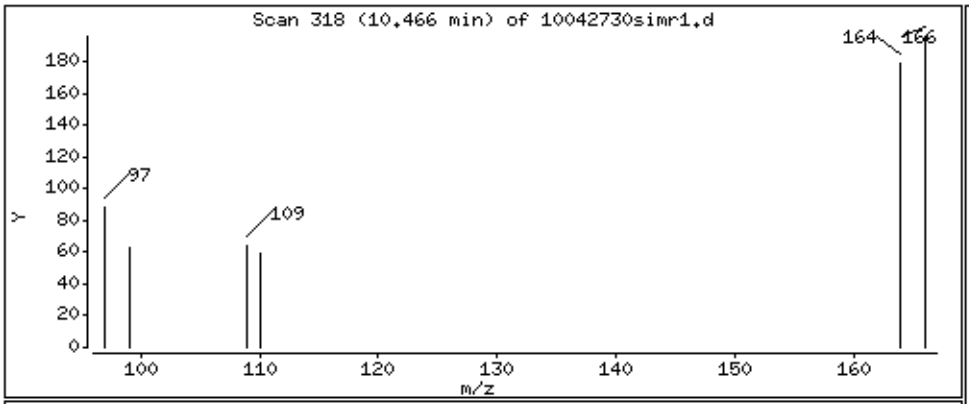
Operator: gm

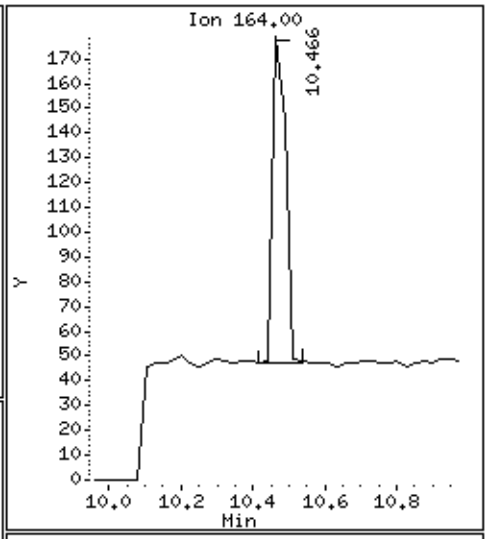
Column phase: DB-5.625

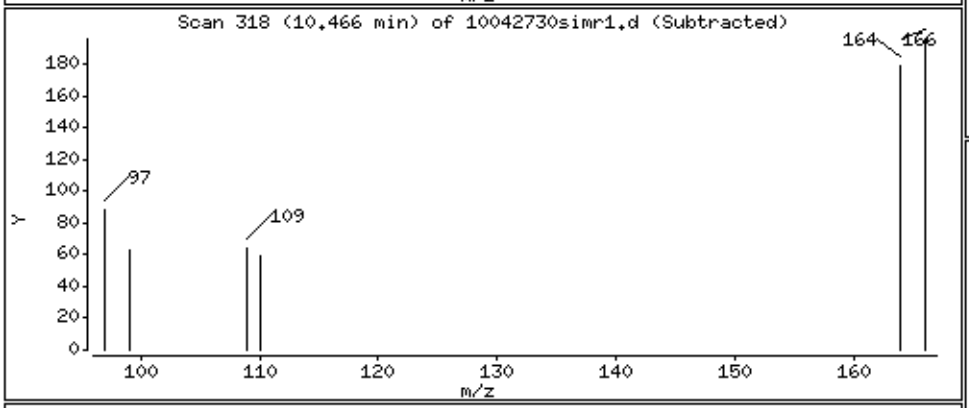
Column diameter: 0.25

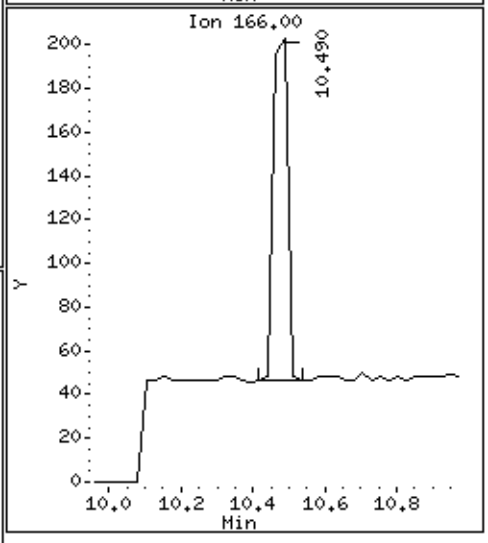
31 Tetrachloroethene

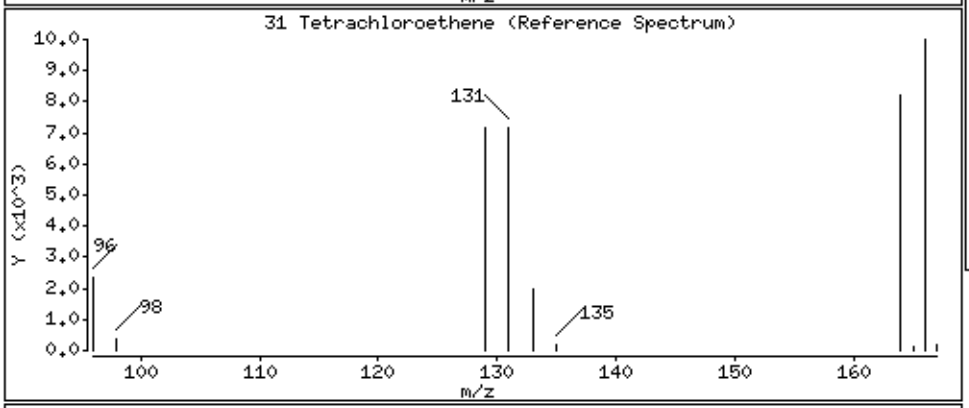
Concentration: 0.0462269 ug

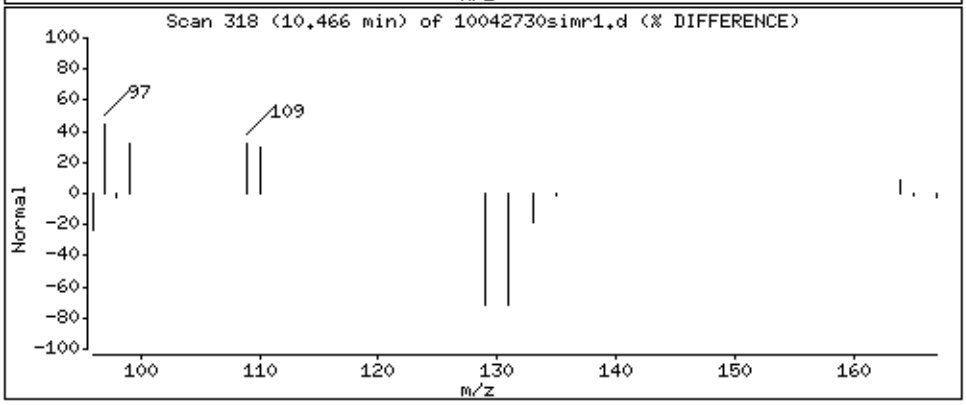












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

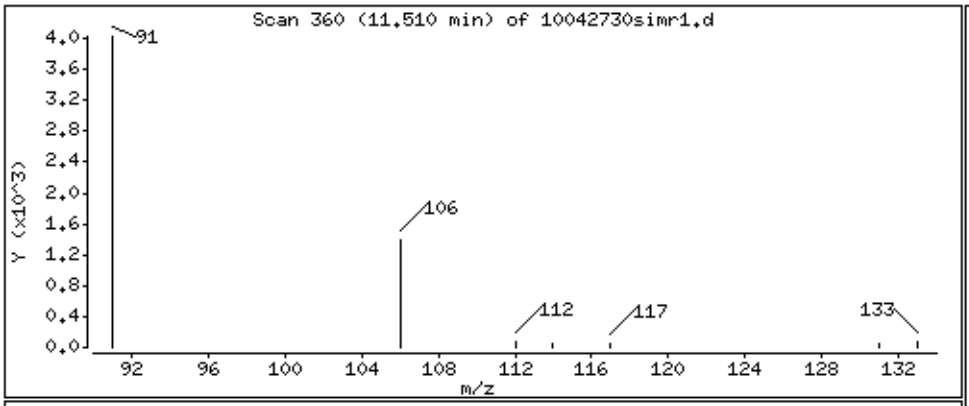
Operator: gm

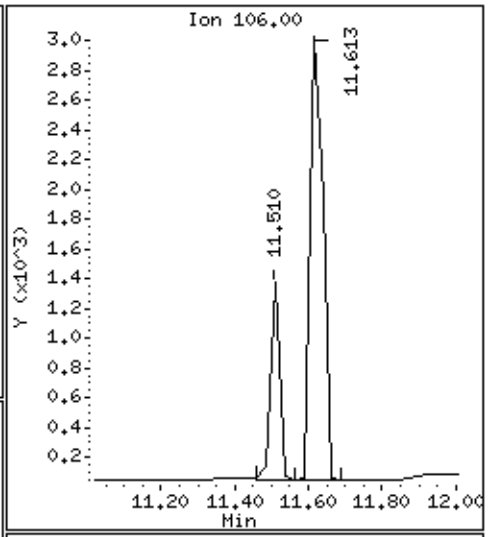
Column phase: DB-5.625

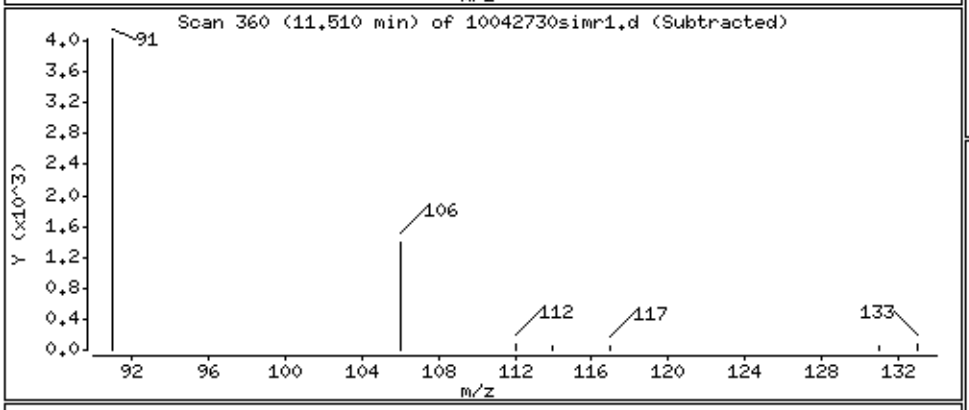
Column diameter: 0.25

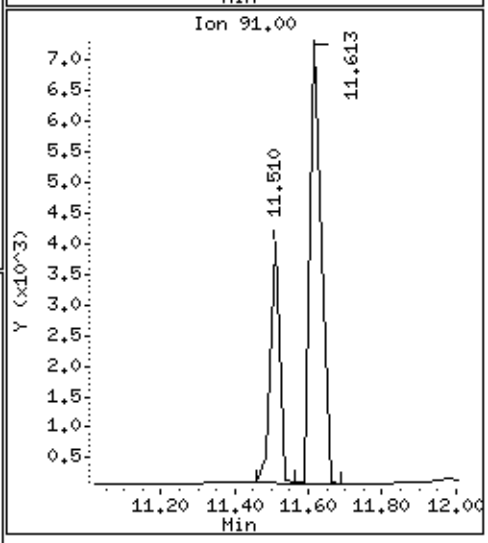
33 Ethylbenzene-CCC

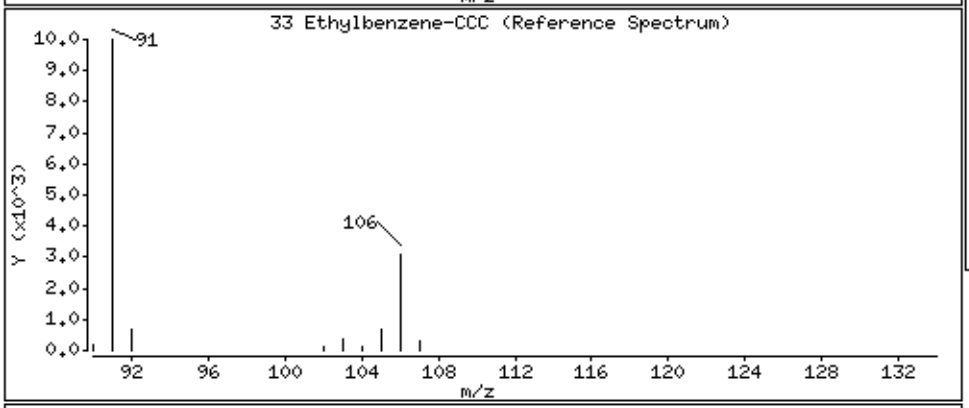
Concentration: 0.141833 ug

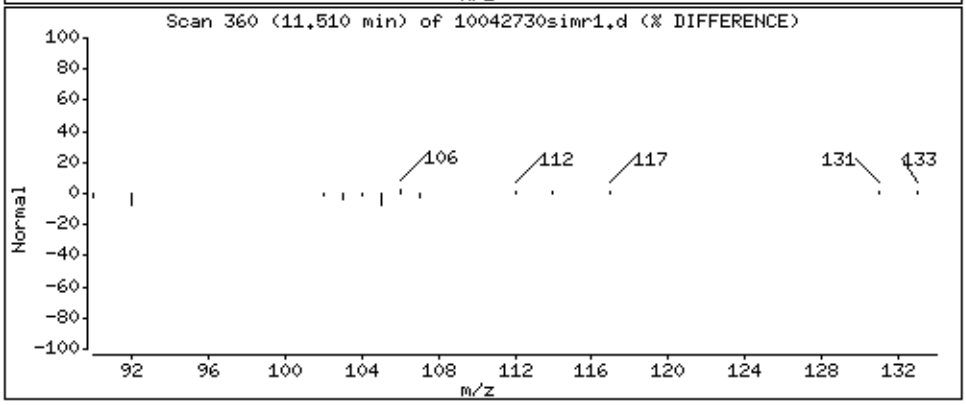












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

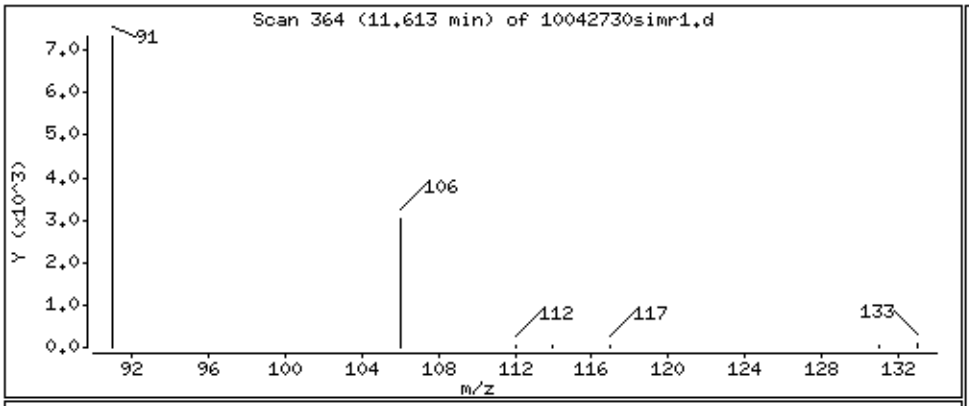
Operator: gm

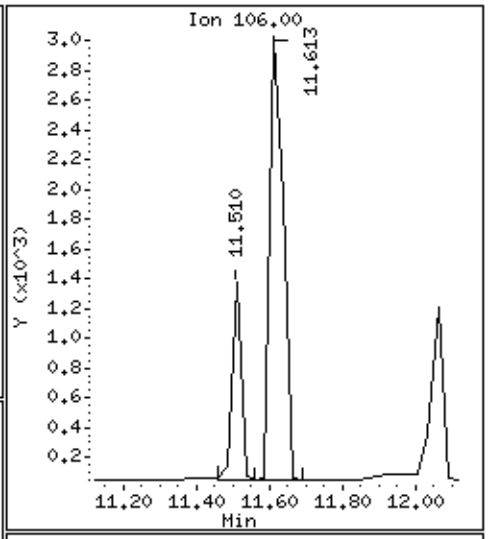
Column phase: DB-5.625

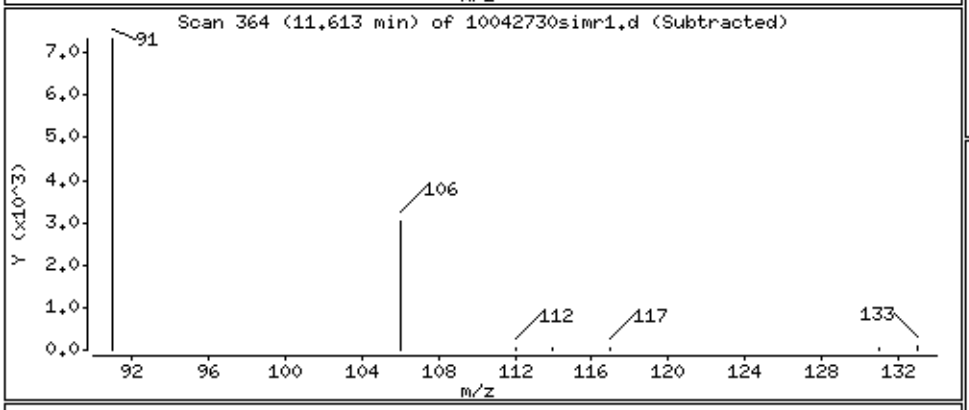
Column diameter: 0.25

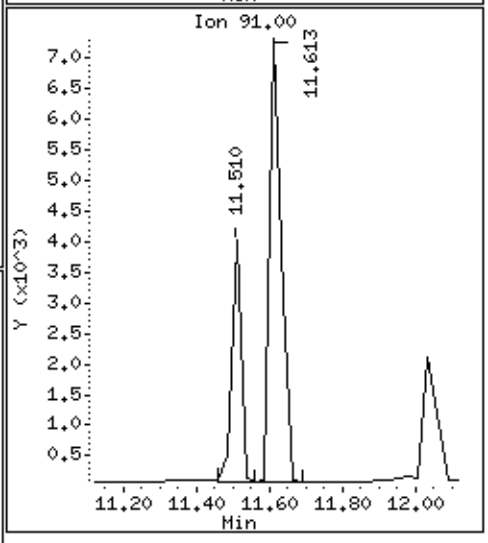
34 m,p-Xylene

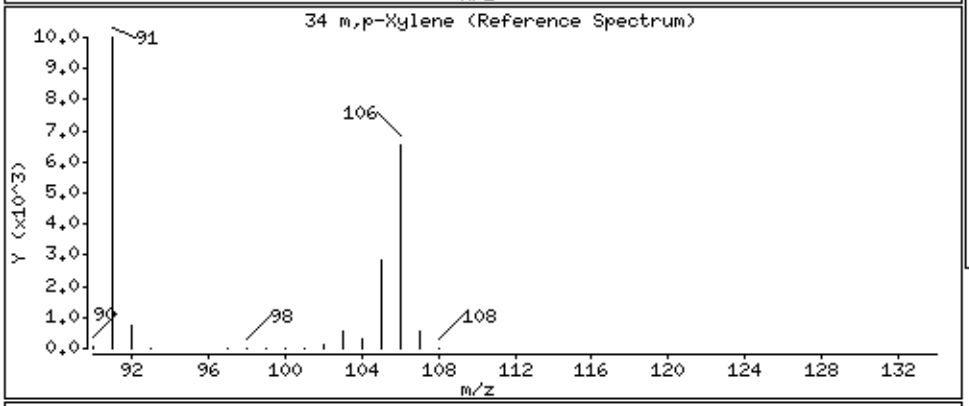
Concentration: 0.456166 ug

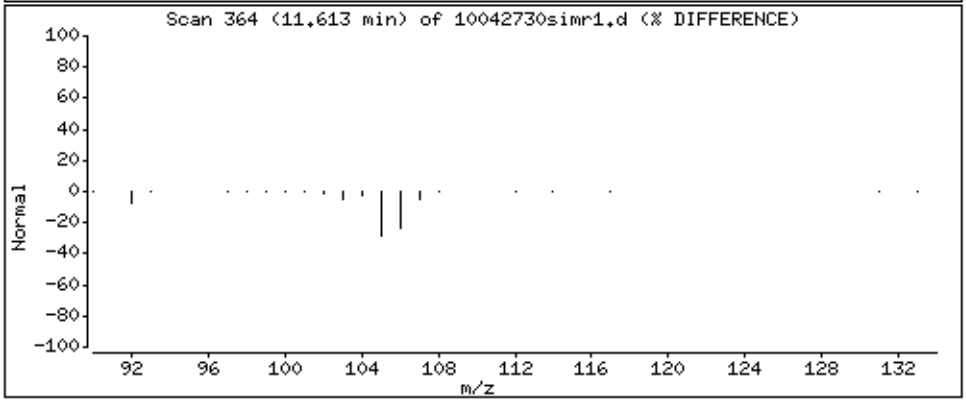












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

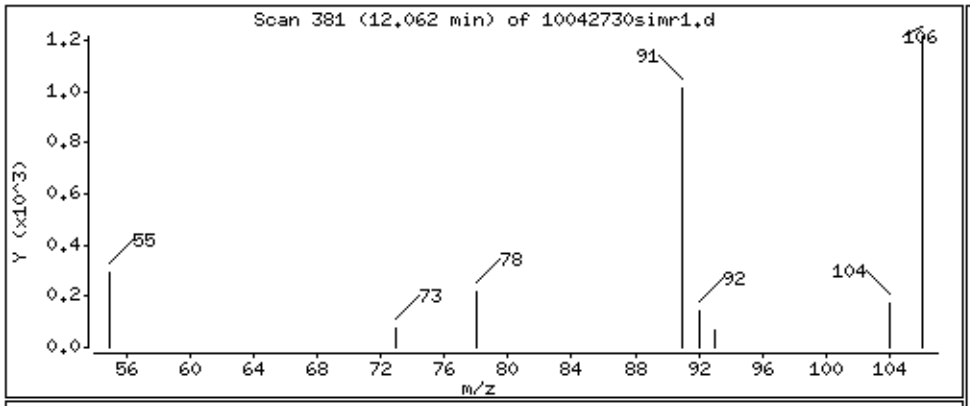
Operator: gm

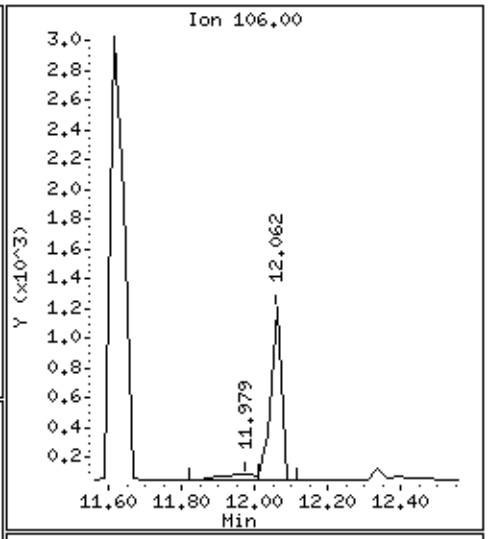
Column phase: DB-5.625

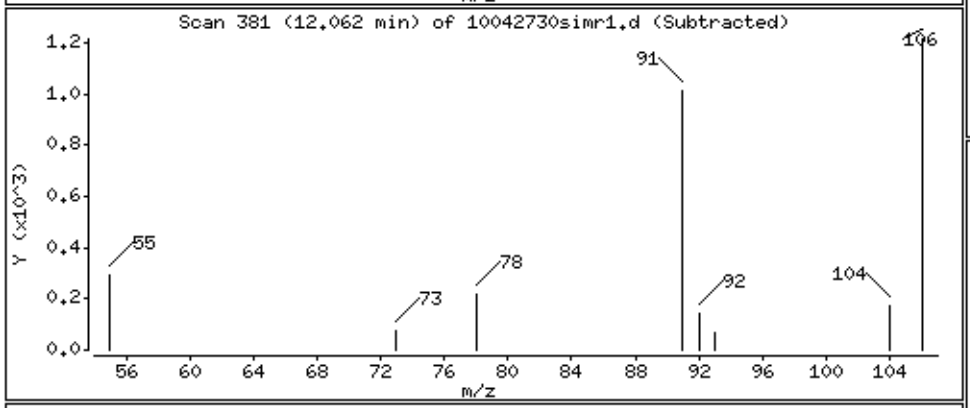
Column diameter: 0.25

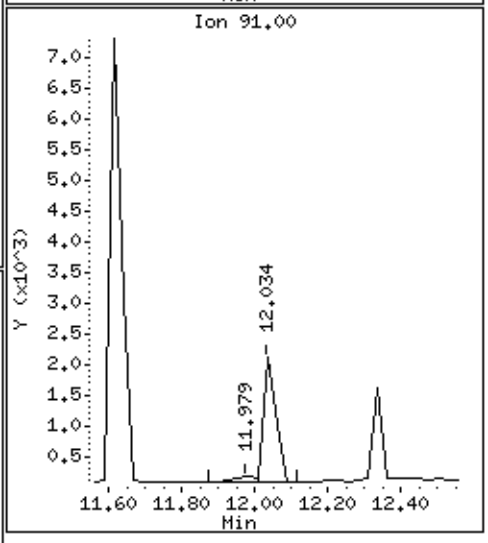
36 o-Xylene

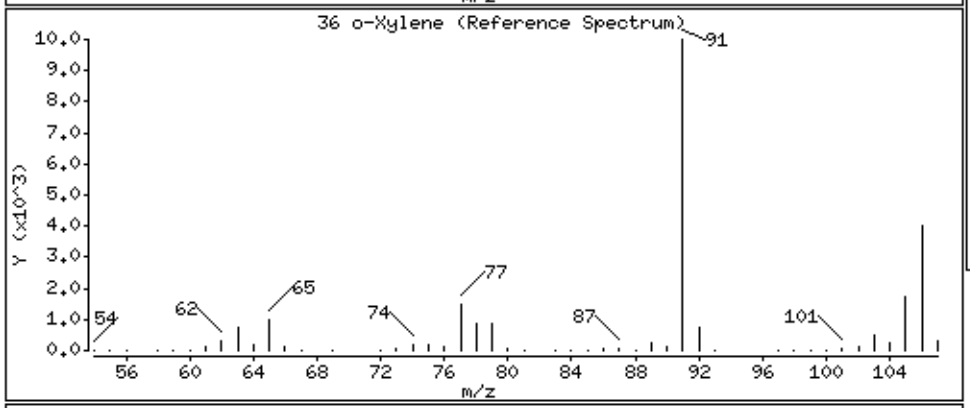
Concentration: 0.152932 ug

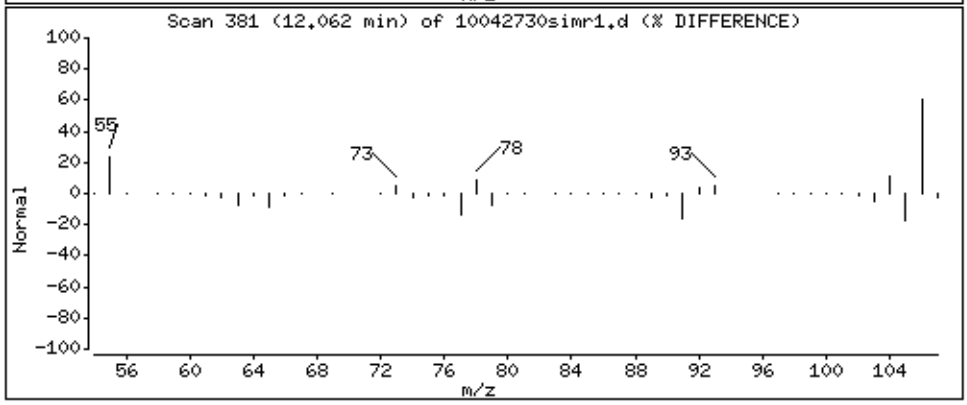












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

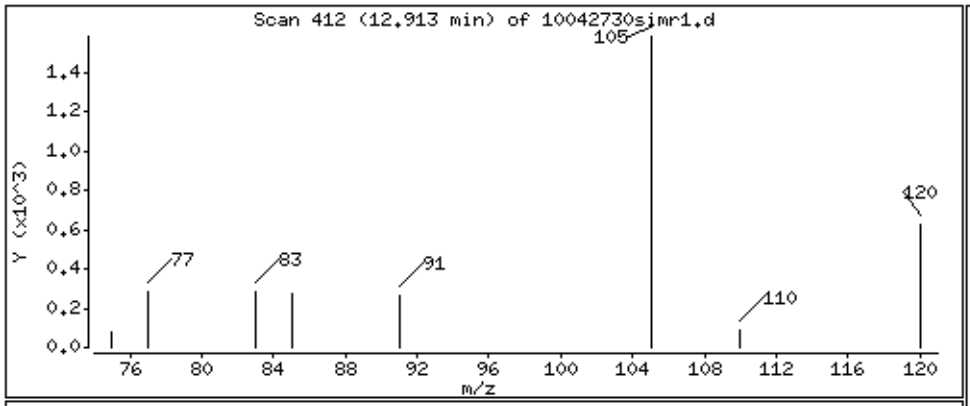
Operator: gm

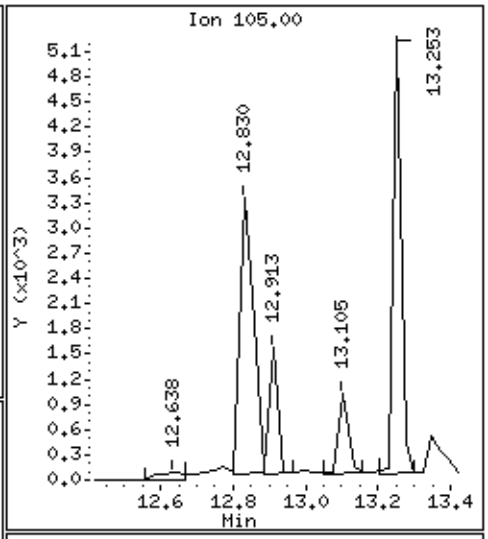
Column phase: DB-5.625

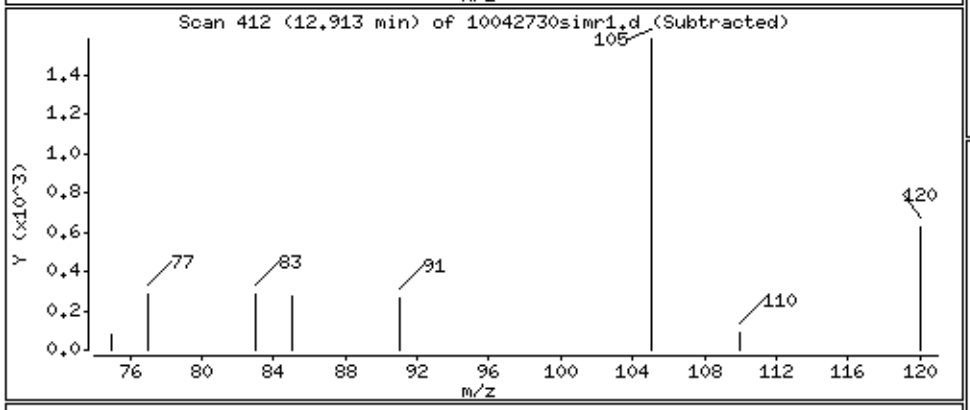
Column diameter: 0.25

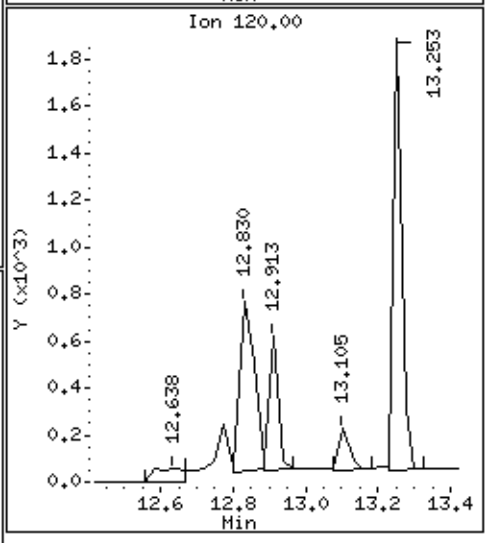
41 1,3,5-Trimethylbenzene

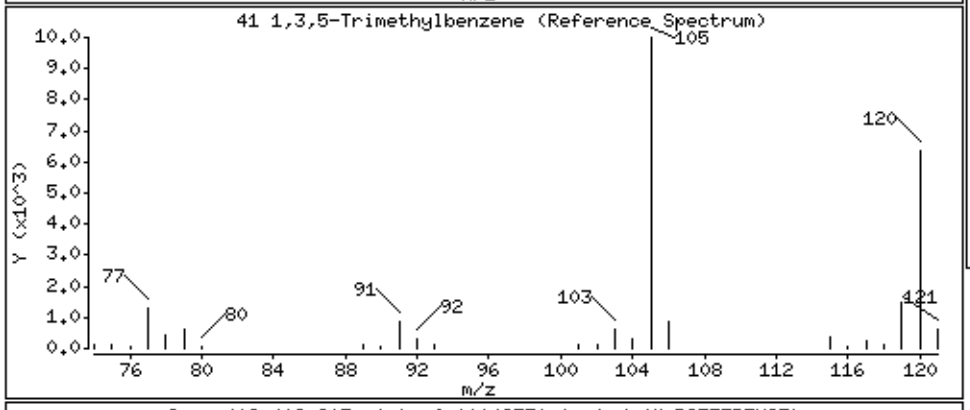
Concentration: 0.0500851 ug

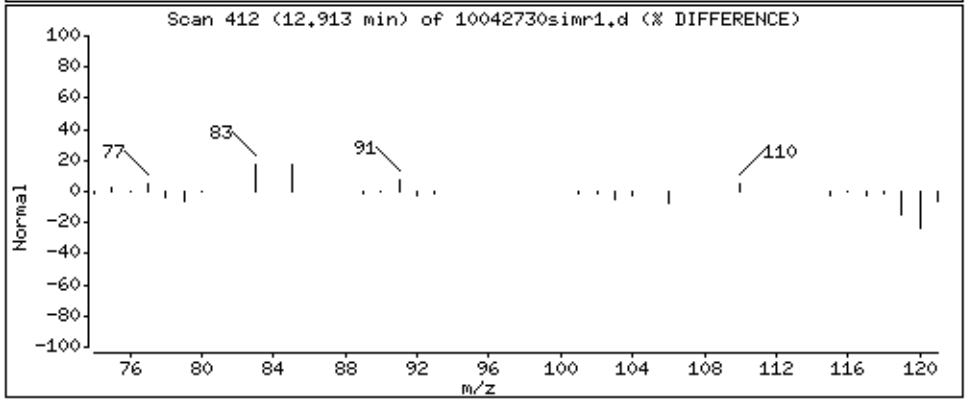












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

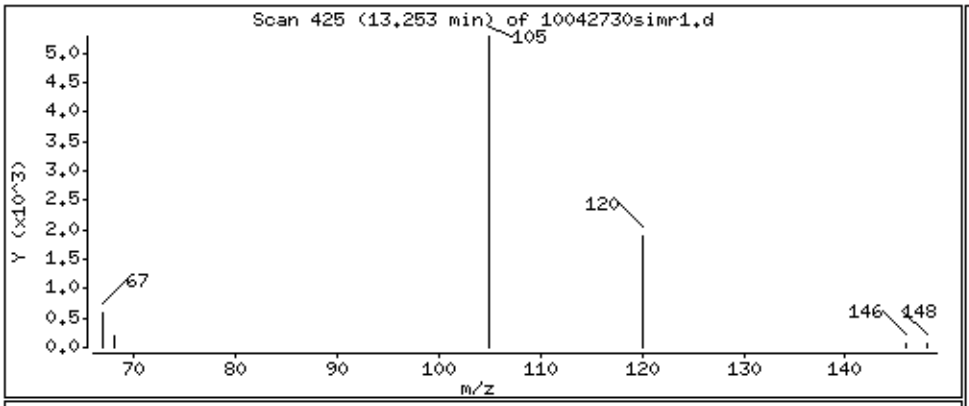
Operator: gm

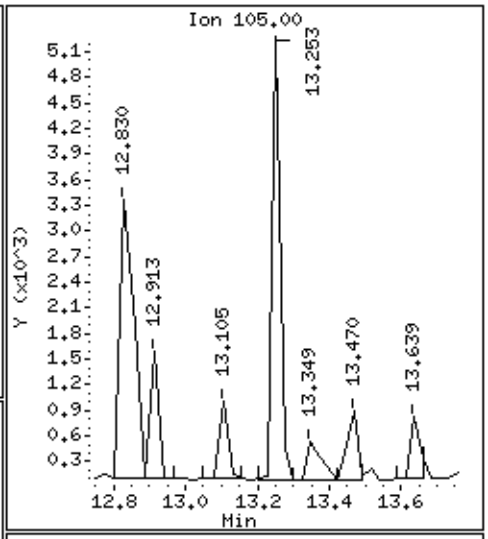
Column phase: DB-5.625

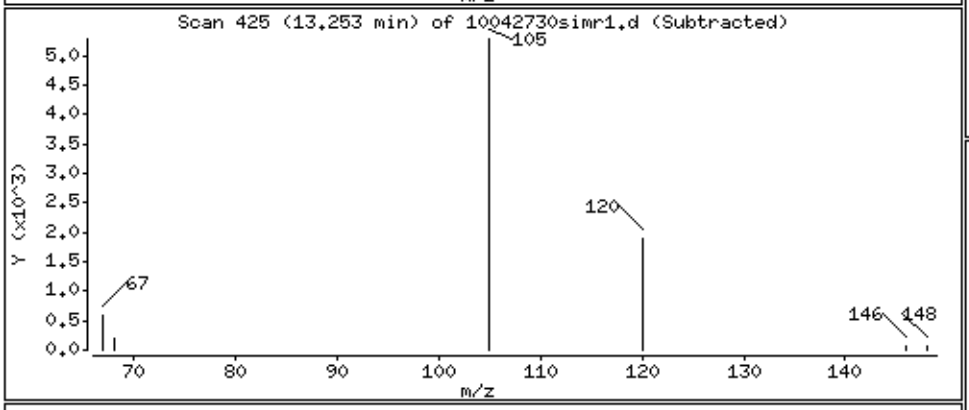
Column diameter: 0.25

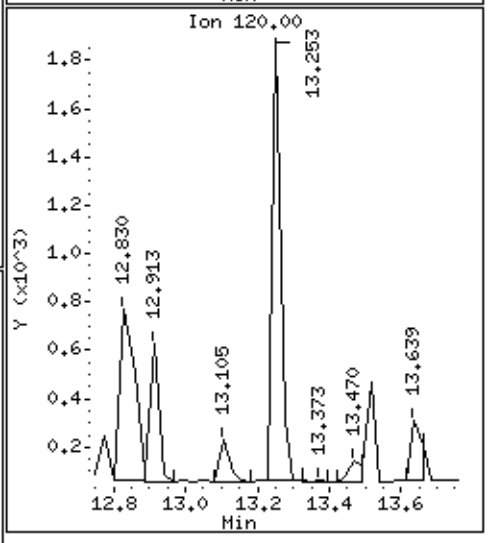
42 1,2,4-Trimethylbenzene

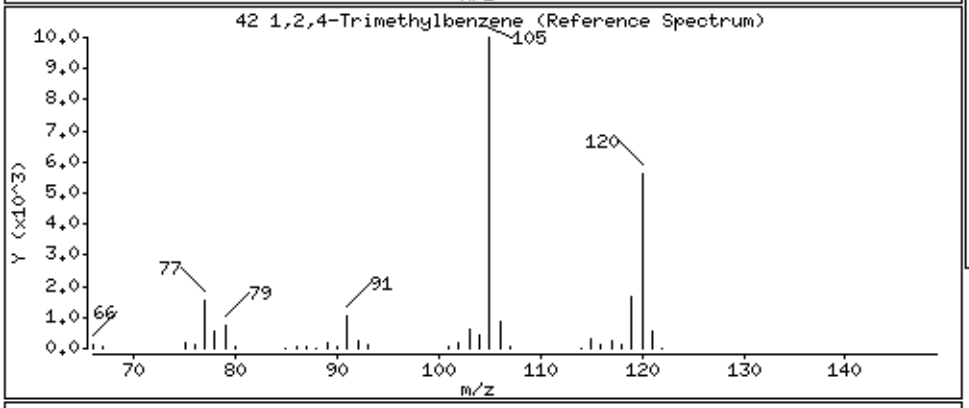
Concentration: 0.186464 ug

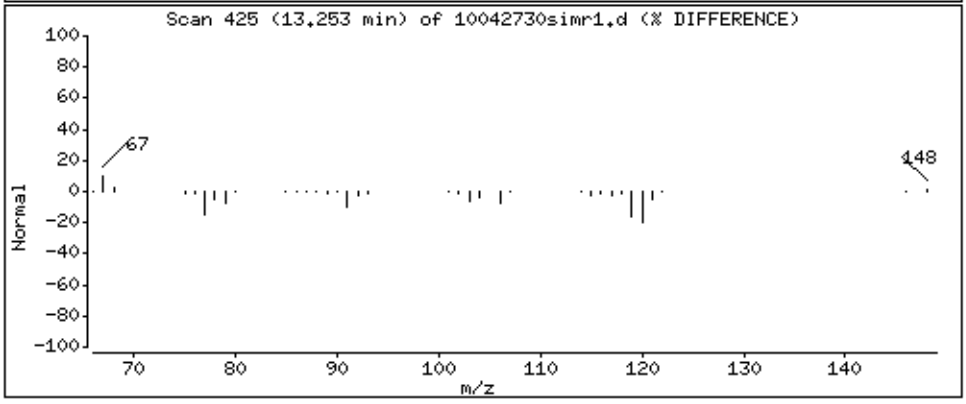












Data File: /chem/msd10.i/27Apr2015.b/10042730simr1.d

Date : 27-APR-2015 19:24

Client ID:

Instrument: msd10.i

Sample Info: ;1504459R1-05A;

Volume Injected (uL): 1.0

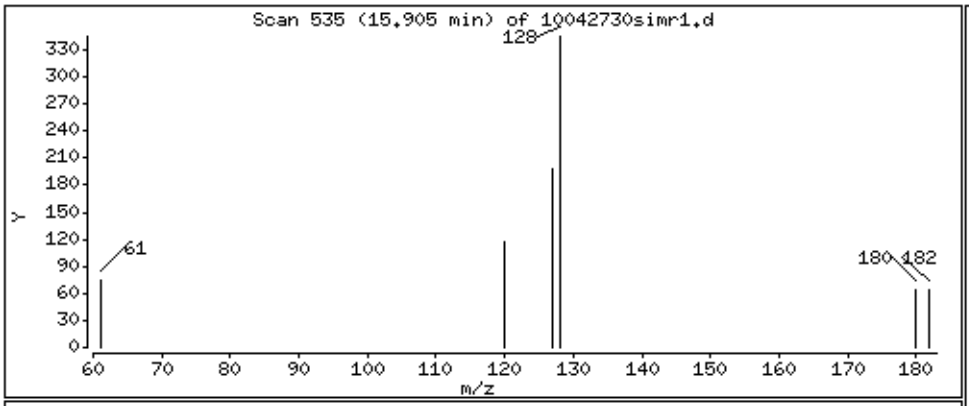
Operator: gm

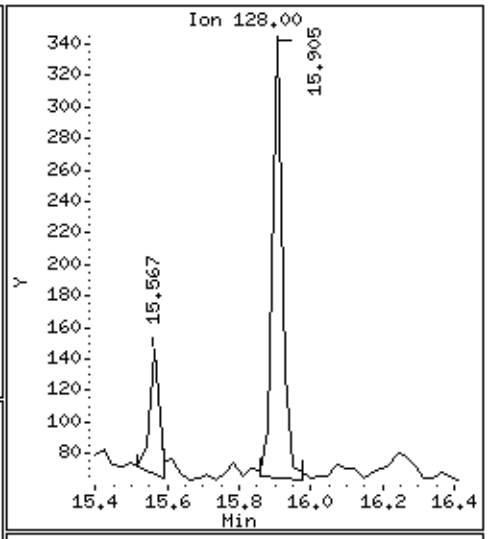
Column phase: DB-5.625

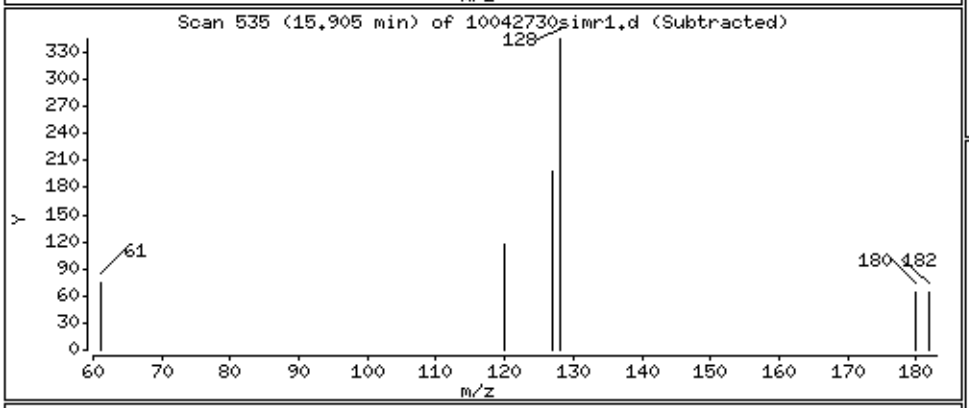
Column diameter: 0.25

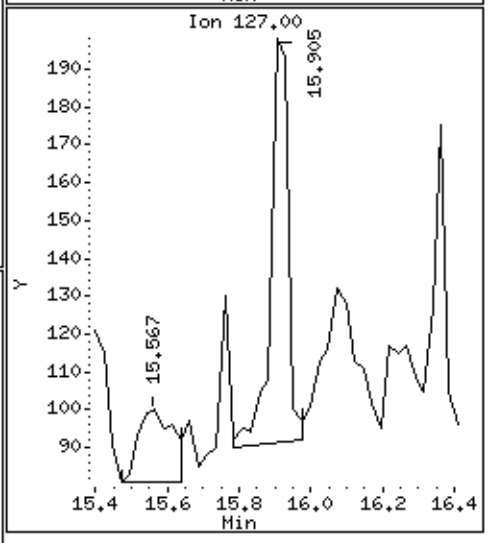
49 Naphthalene

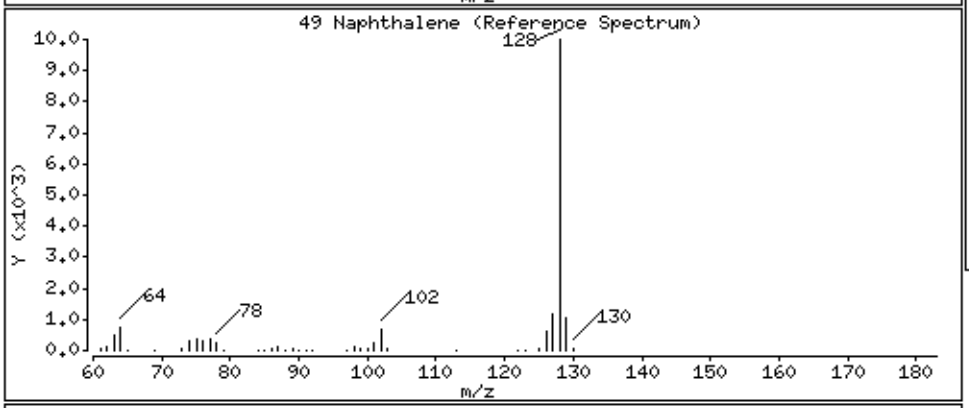
Concentration: 0.00828208 ug

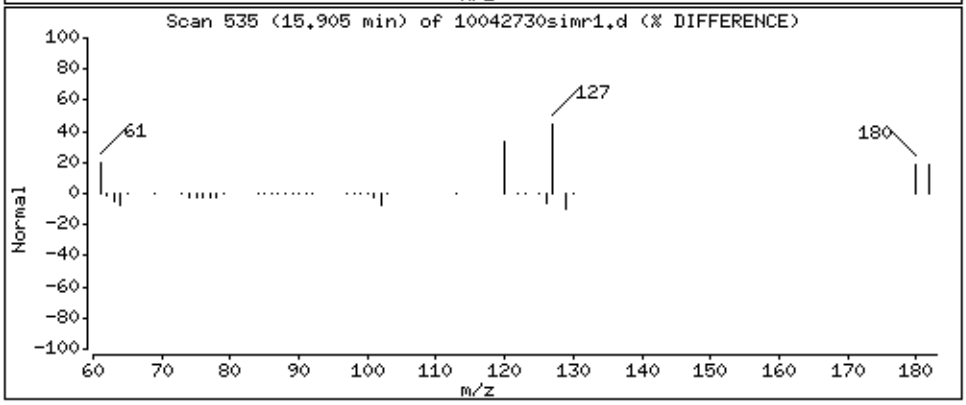












QC Results and Raw Data

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1504459R1-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**10042724sima**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/27/15 05:01 PM**	
		Date of Extraction: 4/27/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Benzene	0.40	0.50	Not Detected	Not Detected
1,2-Dichloroethane	0.10	0.13	Not Detected	Not Detected
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Toluene	0.10	0.13	0.017 J	0.023 J
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
Ethyl Benzene	0.10	0.14	Not Detected	Not Detected
m,p-Xylene	0.10	0.14	Not Detected	Not Detected
o-Xylene	0.10	0.15	Not Detected	Not Detected
Naphthalene	0.10	0.40	0.0038 J	0.015 J
1,1-Dichloroethane	0.10	0.16	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.52	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.16	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.33	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.20	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.10	0.19	Not Detected C	Not Detected C
Vinyl Chloride	0.40	0.44	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 10095 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042724sima.d
Lab Smp Id: 1504283/459 Client Smp ID: LAB BLANK
Inj Date : 27-APR-2015 17:01
Operator : gm Inst ID: msd10.i
Smp Info : ;1504283/459;LAB BLANK
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 08-May-2015 15:50 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
	2 Vinyl Chloride	62	Compound Not Detected.					
	4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
	8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
	14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	17 1,1,1-Trichloroethane	97	Compound Not Detected.					
	19 Benzene	78	Compound Not Detected.					
	20 1,2-Dichloroethane	62	Compound Not Detected.					
	22 Trichloroethene	130	Compound Not Detected.					
$	26 Toluene-d8	98	9.839	9.839	(0.969)	246884	4.99764	9.99529
	28 Toluene-CCC	92	9.912	9.912	(0.976)	354	0.00846	0.0169120(a)
*	29 2-Fluorotoluene	109	10.152	10.153	(1.000)	273388	5.00000	
	30 1,1,2-Trichloroethane	97	Compound Not Detected.					
	31 Tetrachloroethene	164	Compound Not Detected.					
	33 Ethylbenzene-CCC	106	Compound Not Detected.					
	34 m,p-Xylene	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
36 o-Xylene	106	Compound Not Detected.					
41 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
42 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
49 Naphthalene	128	15.905	15.905	(1.567)	235	0.00188	0.00375492(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042724sima.d
Lab Smp Id: 1504283/459
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: LAB BLANK
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	273388	26.50

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 08-May-2015 15:51

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 27Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504283/459 Client Smp ID: LAB BLANK
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 26 Toluene-d8	10.0000	9.99529	99.95	70-130

Data File: /chem/msd10.i/27Apr2015.b/10042724sima.d

Date : 27-APR-2015 17:01

Client ID: LAB BLANK

Instrument: msd10.i

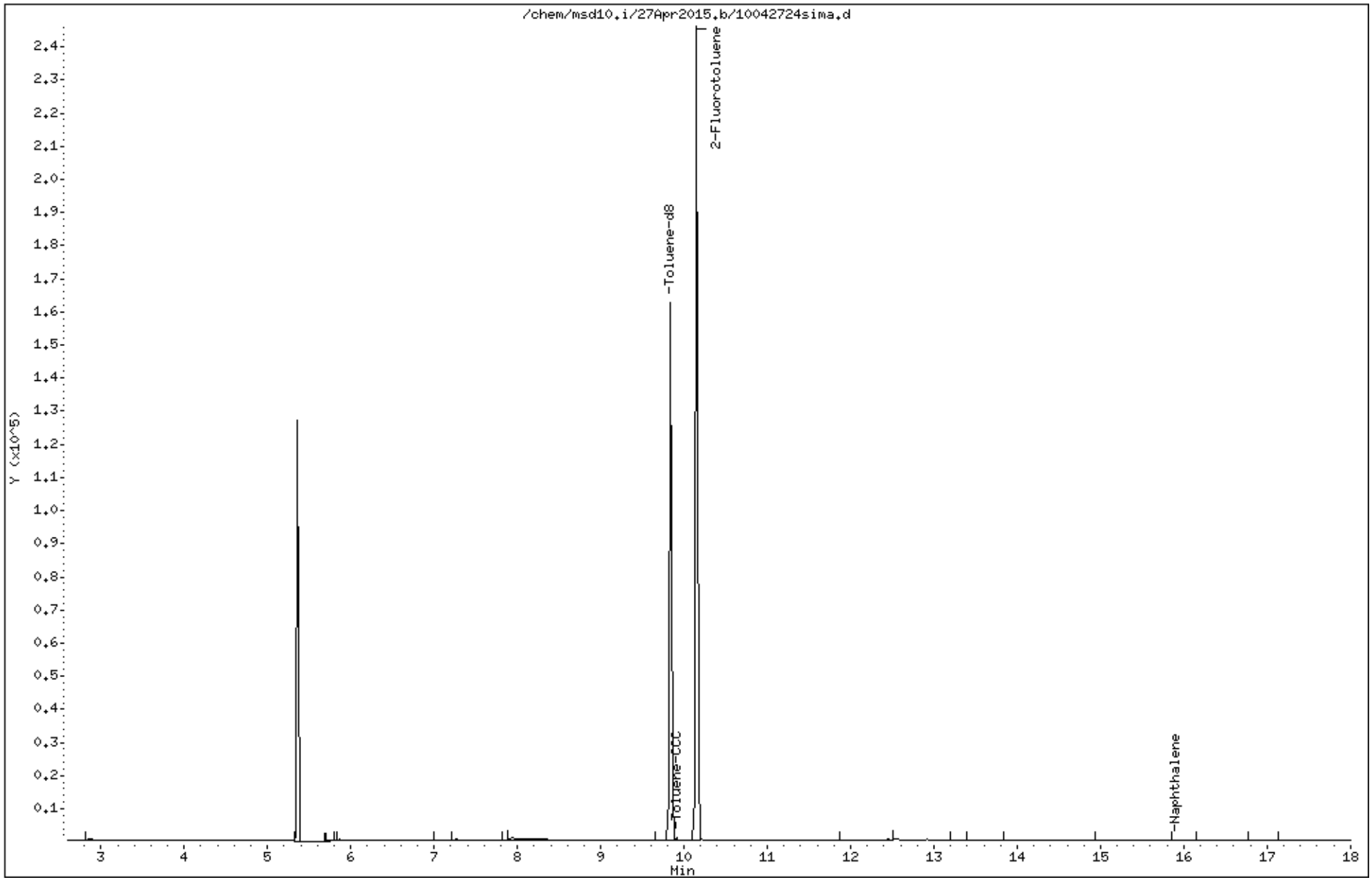
Sample Info: ;1504283/459;LAB BLANK

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msd10.i/27Apr2015.b/10042724sima.d

Date : 27-APR-2015 17:01

Client ID: LAB BLANK

Instrument: msd10.i

Sample Info: ;1504283/459;LAB BLANK

Volume Injected (uL): 1.0

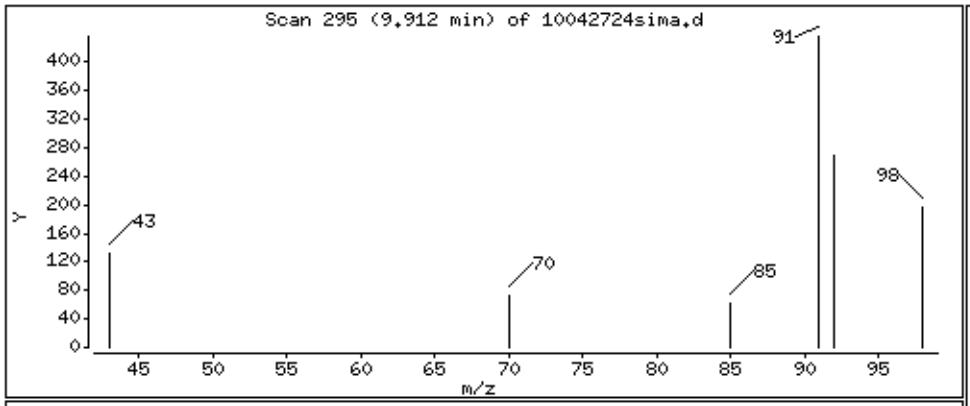
Operator: gm

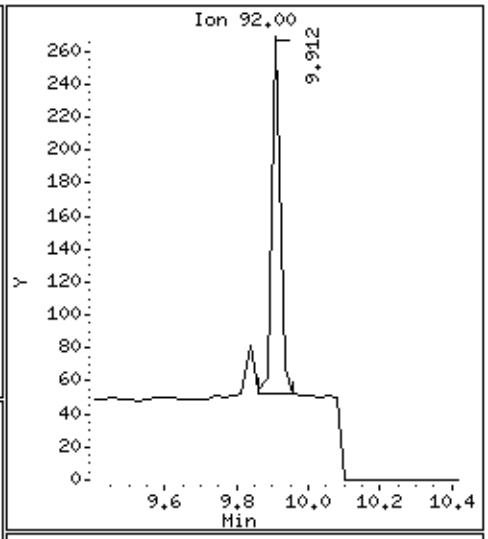
Column phase: DB-5.625

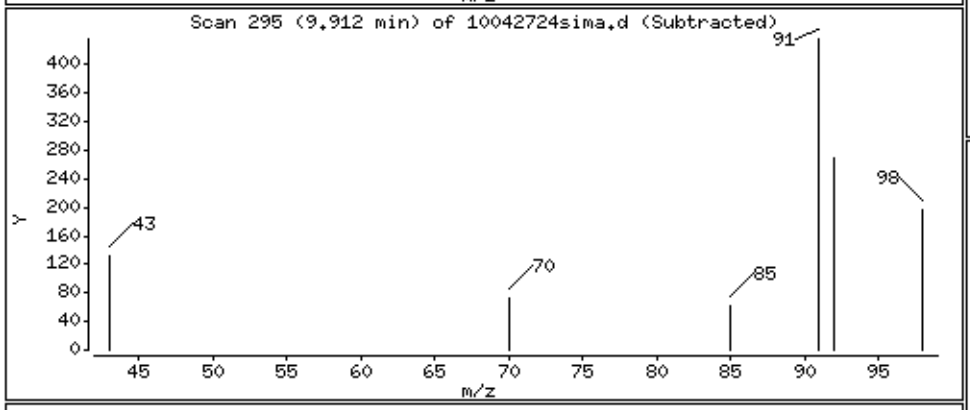
Column diameter: 0.25

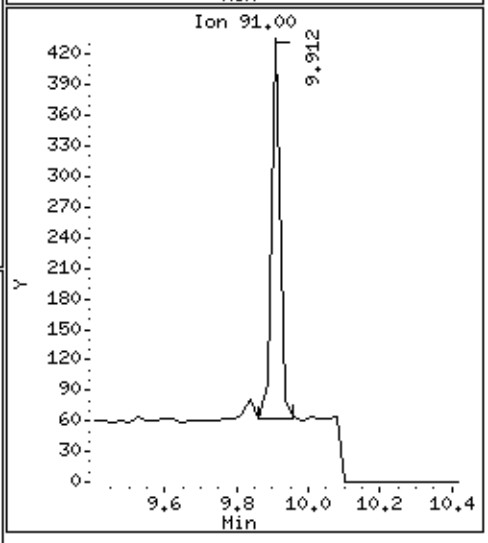
28 Toluene-CCC

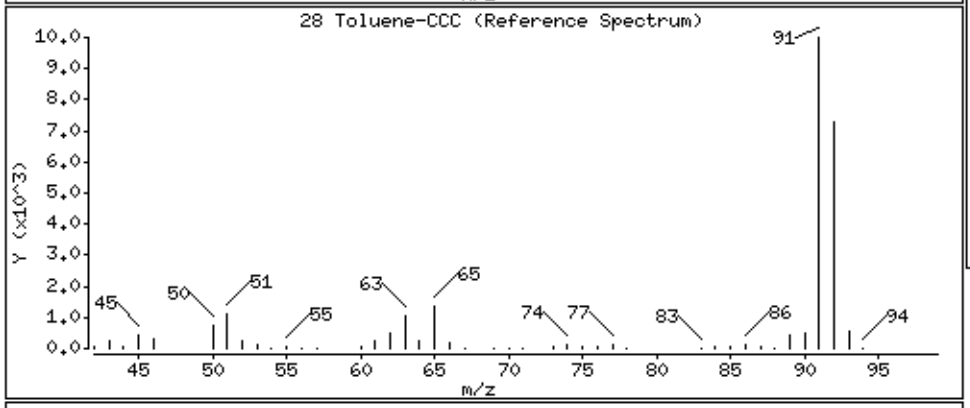
Concentration: 0.0169120 ug

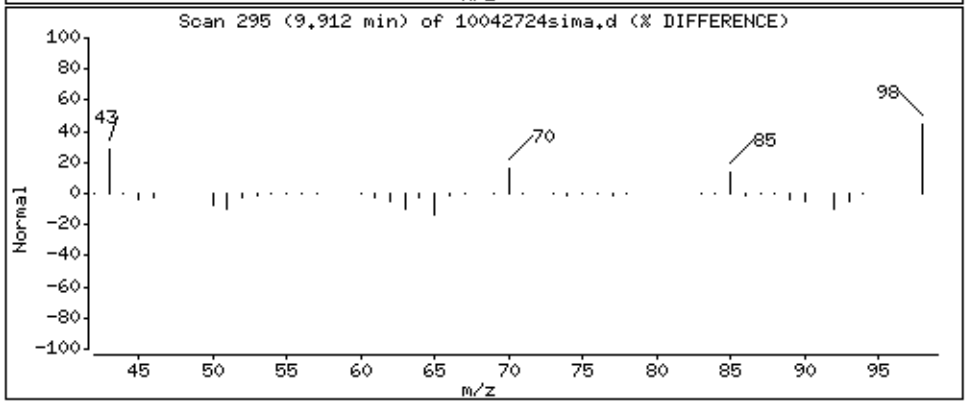












Data File: /chem/msd10.i/27Apr2015.b/10042724sima.d

Date : 27-APR-2015 17:01

Client ID: LAB BLANK

Instrument: msd10.i

Sample Info: ;1504283/459;LAB BLANK

Volume Injected (uL): 1.0

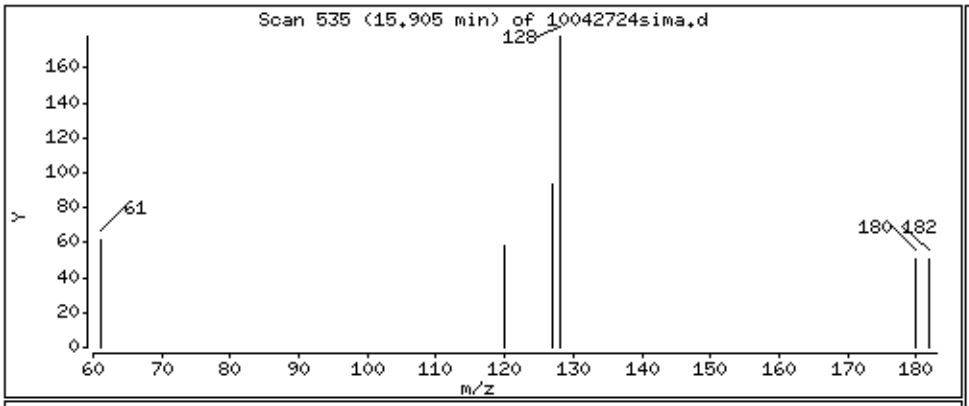
Operator: gm

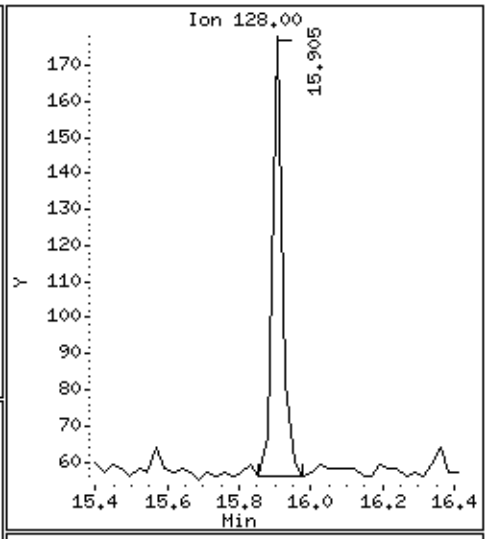
Column phase: DB-5.625

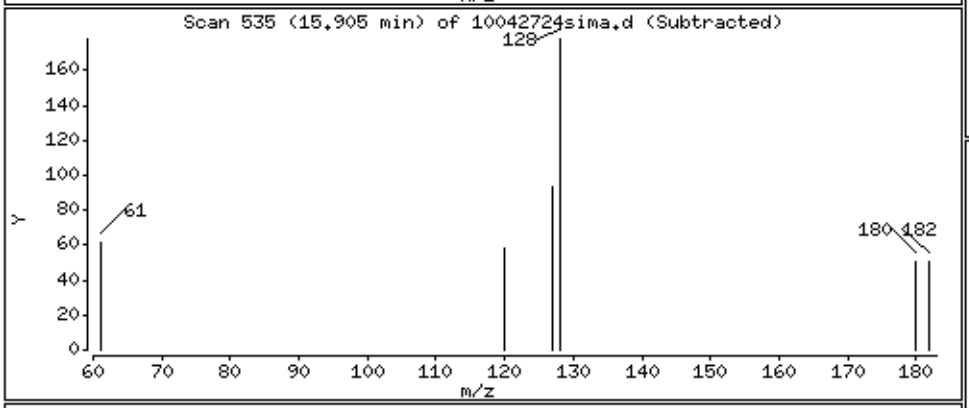
Column diameter: 0.25

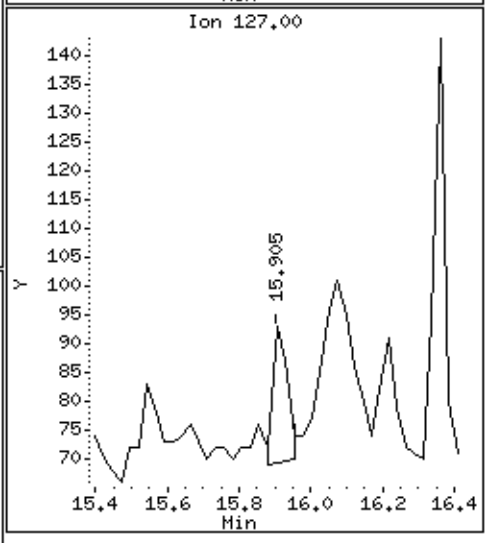
49 Naphthalene

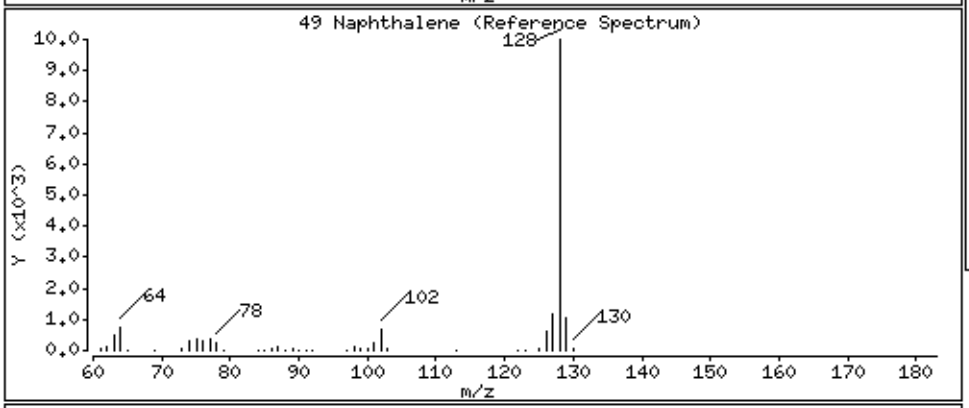
Concentration: 0.00375492 ug

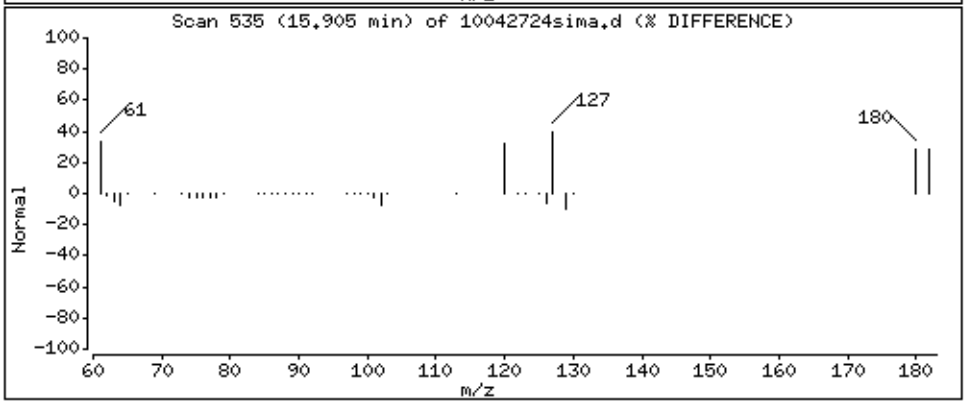












LEVEL-IV VALIDATABLE

VOCS BY PASSIVE SAMPLER - GC/MS

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 1504459R1

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		Toluene-d8	#		#		#		#	TOTAL OUT
01	765NP	100								0
02	764NP	101								0
03	915NP	102								0
04	913NP	100								0
05	914NP	100								0
06	Lab Blank	100								0
07	LCS	102								0
08	LCSD	103								0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

Toluene-d8 70 - 130

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 10042723sim.d & 10042722sim.d

Lab Sample ID: &

Dilution: 1.00 & 1.00

Client Sample ID: LCS & LCSD

Date Analyzed: 4/27/15 & 4/27/15

CAS Number	Compound	Original Amount	Original Flags	Duplicate Amount	Duplicate Flags	RPD	Result Less Than 5X RL
71-55-6	1,1,1-Trichloroethane	84		86		2.4	
79-00-5	1,1,2-Trichloroethane	89		90		1.1	
75-34-3	1,1-Dichloroethane	80		85		6.1	
75-35-4	1,1-Dichloroethene	68		73		7.1	
95-63-6	1,2,4-Trimethylbenzene	94		95		1.0	
107-06-2	1,2-Dichloroethane	84		84		0	
108-67-8	1,3,5-Trimethylbenzene	100		103		3.0	
71-43-2	Benzene	88		87		1.1	
156-59-2	cis-1,2-Dichloroethene	80		83		3.7	
100-41-4	Ethyl Benzene	98		96		2.1	
108-38-3	m,p-Xylene	92		92		0	
91-20-3	Naphthalene	9.3		9.5		2.1	
95-47-6	o-Xylene	86		83		3.6	
127-18-4	Tetrachloroethene	90		91		1.1	
108-88-3	Toluene	90		90		0	
156-60-5	trans-1,2-Dichloroethene	90		96		6.4	
79-01-6	Trichloroethene	86		87		1.2	
75-01-4	Vinyl Chloride	51		62		19	

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-APR-2015 08:40
End Cal Date : 27-APR-2015 13:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Cal Date : 27-Apr-2015 14:05 gmash
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd10.i/27Apr2015.b/10042703sim.d
Level 2: /chem/msd10.i/27Apr2015.b/10042704sim.d
Level 3: /chem/msd10.i/27Apr2015.b/10042705sim.d
Level 4: /chem/msd10.i/27Apr2015.b/10042706sim.d
Level 5: /chem/msd10.i/27Apr2015.b/10042715sim.d
Level 6: /chem/msd10.i/27Apr2015.b/10042708sim.d
Level 7: /chem/msd10.i/27Apr2015.b/10042709sim.d
Level 8: /chem/msd10.i/27Apr2015.b/10042710sim.d
Level 9: /chem/msd10.i/27Apr2015.b/10042711sim.d
Level 10: /chem/msd10.i/27Apr2015.b/10042712sim.d
Level 11: /chem/msd10.i/27Apr2015.b/10042713sim.d

Compound	0.02500 Level 1 / 5.000 Level 7	0.05000 Level 2 / 20.000 Level 8	0.10000 Level 3 / 50.000 Level 9	0.20000 Level 4 / 100.000 Level 10	0.50000 Level 5 / 200.000 Level 11	1.000 Level 6	___ RRF	% RSD
1 Chloromethane	+++++	+++++	0.04483	0.03998	0.03798	0.03969		
	0.04281	0.04226	+++++	+++++	+++++		0.04126	6.039
2 Vinyl Chloride	+++++	+++++	0.10391	0.06882	0.07179	0.07183		
	0.06707	0.08158	0.07510	0.06449	0.05642		0.07345	18.230
3 Ethanol	+++++	+++++	0.05180	0.05085	0.04902	0.04483		
	0.04381	0.04801	0.05023	0.04538	0.04052		0.04716	7.960
4 1,1-Dichloroethene-CCC	+++++	+++++	0.12723	0.08303	0.10152	0.08731		
	0.10460	0.11241	0.07954	0.08616	0.06706		0.09432	19.739
5 Acetone	+++++	+++++	0.08997	0.06506	0.07843	0.07678		
	0.07761	0.08625	0.07686	0.07400	0.06458		0.07662	10.926
6 2-Propanol	+++++	+++++	0.26174	0.20104	0.20239	0.19179		
	0.21512	0.23360	0.23323	0.22613	0.21215		0.21969	9.776

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-APR-2015 08:40
End Cal Date : 27-APR-2015 13:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Cal Date : 27-Apr-2015 14:05 gmash
Curve Type : Average

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	___ RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
7 MTBE	+++++	0.65622	0.66465	0.47438	0.55663	0.55862		
	0.44069	0.47784	0.49362	0.43226	0.38667		0.51416	18.140
8 trans-1,2-Dichloroethene	+++++	+++++	0.18752	0.13403	0.16490	0.15587		
	0.13401	0.14842	0.15756	0.14259	0.10875		0.14818	15.017
9 Hexane	+++++	0.64189	0.62436	0.49514	0.57147	0.47458		
	0.43973	0.36186	0.33237	0.39930	0.40704		0.47477	22.708
10 Halothane	+++++	0.12274	0.10845	0.07927	0.10269	0.09813		
	0.08790	0.09721	0.08879	0.08786	0.07585		0.09489	14.815
11 1,1-Dichloroethane-SPCC	+++++	0.37873	0.41169	0.29368	0.35229	0.32808		
	0.28806	0.32307	0.29874	0.29602	0.24820		0.32186	14.949
12 Ethyl Acetate	+++++	+++++	0.05695	0.06255	0.05942	0.05407		
	0.04495	0.04994	0.04668	0.04687	0.04046		0.05132	14.333
13 2-Butanone	+++++	0.14089	0.14117	0.10839	0.12247	0.11206		
	0.10045	0.11382	0.10595	0.10571	0.09087		0.11418	14.363
14 cis-1,2-Dichloroethene	+++++	0.21158	0.22175	0.15381	0.20345	0.17896		
	0.16122	0.17570	0.16468	0.16425	0.14070		0.17761	14.917
15 Chloroform-CCC	+++++	0.33909	0.34505	0.27947	0.31674	0.30199		
	0.25434	0.32465	0.25803	0.25713	0.24687		0.29234	12.896
16 Cyclohexane	+++++	0.50243	0.50712	0.38104	0.46287	0.42827		
	0.34937	0.31206	0.39462	0.36239	0.34784		0.40480	16.736

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-APR-2015 08:40
End Cal Date : 27-APR-2015 13:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Cal Date : 27-Apr-2015 14:05 gmash
Curve Type : Average

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
17 1,1,1-Trichloroethane	+++++	0.44082	0.43956	0.33478	0.36750	0.38703		
	0.30540	0.29161	0.34550	0.31893	0.31017		0.35413	15.171
18 Carbon Tetrachloride	+++++	0.40452	0.34202	0.25189	0.37894	0.30065		
	0.30617	0.32337	0.30219	0.31053	0.24033		0.31606	15.966
19 Benzene	+++++	+++++	+++++	0.72934	1.05141	0.79291		
	0.76366	0.97710	0.75295	0.77764	0.63018		0.80940	16.952
20 1,2-Dichloroethane	+++++	0.47998	0.39806	0.28449	0.39795	0.32564		
	0.32634	0.36157	0.31716	0.32265	0.24523		0.34591	19.205
21 Heptane	+++++	0.29850	0.28385	0.20828	0.27641	0.22730		
	0.20674	0.27538	0.21743	0.21986	0.19184		0.24056	16.057
22 Trichloroethene	+++++	0.33814	0.31384	0.23587	0.28774	0.26453		
	0.22091	0.22089	0.22814	0.22454	0.21019		0.25448	17.516
24 Methyl Methacrylate	+++++	0.30041	0.29537	0.23225	0.31006	0.27259		
	0.23952	0.25376	0.25787	0.25625	0.23331		0.26514	10.700
25 4-Methyl-2-pentanone	+++++	+++++	0.12784	0.10059	0.13493	0.11682		
	0.10484	0.10557	0.11114	0.10966	0.10222		0.11262	10.511
28 Toluene-CCC	+++++	0.94277	0.91609	0.70746	0.90046	0.79947		
	0.67561	0.66924	0.71182	0.68803	0.64550		0.76565	14.921
30 1,1,2-Trichloroethane	+++++	0.30853	0.29234	0.22862	0.29752	0.26608		
	0.22353	0.22014	0.23229	0.22486	0.21130		0.25052	14.711

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-APR-2015 08:40
End Cal Date : 27-APR-2015 13:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Cal Date : 27-Apr-2015 14:05 gmash
Curve Type : Average

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	___ RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
31 Tetrachloroethene	+++++	0.29515	0.28204	0.22194	0.28863	0.25743		
	0.21443	0.21208	0.22742	0.21938	0.20931		0.24278	14.192
32 Chlorobenzene	+++++	1.13907	1.13087	0.87883	1.15499	1.01581		
	0.84868	0.83803	0.92429	0.86069	0.82129		0.96125	14.155
33 Ethylbenzene-CCC	+++++	0.57837	0.60254	0.46393	0.62389	0.55457		
	0.46668	0.46016	0.53665	0.48991	0.47666		0.52534	11.795
209 1,1,1,2-Tetrachloroethane	+++++	0.37109	0.36868	0.34091	0.37365	0.34393		
	0.29248	0.28874	0.32069	0.30295	0.27718		0.32803	11.170
34 m,p-Xylene	0.57704	0.61180	0.60921	0.46282	0.63305	0.55494		
	0.49360	0.48741	0.54230	0.51746	0.55553		0.54956	10.102
36 o-Xylene	+++++	0.57550	0.57922	0.46505	0.61612	0.54311		
	0.47200	0.46303	0.55123	0.53079	0.58409		0.53801	10.159
37 Styrene	+++++	1.08558	0.98031	0.75400	1.05076	0.91779		
	0.83958	0.82174	0.82815	0.80078	+++++		0.89763	13.062
38 a-Pinene	+++++	0.80379	0.80915	0.64198	0.88517	0.77480		
	0.68103	0.65892	0.74007	0.68444	+++++		0.74215	11.054
39 1,1,2,2-Tetrachloroethane-SPC	+++++	0.49527	0.47137	0.35067	0.46497	0.40478		
	0.35354	0.34270	0.36079	0.35771	0.34679		0.39486	15.144
40 Propylbenzene	+++++	1.54884	1.49349	1.14242	1.63279	1.45804		
	1.26747	1.28385	1.40717	1.49344	+++++		1.41417	10.979

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-APR-2015 08:40
End Cal Date : 27-APR-2015 13:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Cal Date : 27-Apr-2015 14:05 gmash
Curve Type : Average

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	___ RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
210 1,2,3-Trichloropropane	+++++	0.18817	0.22054	0.14782	0.19859	0.17454		
	0.14684	0.13848	0.14229	0.13241	0.12499		0.16147	19.826
41 1,3,5-Trimethylbenzene	+++++	1.97295	1.96334	1.51607	2.11208	1.91976		
	1.69712	1.61695	1.76671	1.57170	1.25920		1.73959	14.870
42 1,2,4-Trimethylbenzene	+++++	1.65391	1.63950	1.27087	1.74519	1.60188		
	1.38943	1.33865	1.47217	1.27314	1.12990		1.45146	13.970
43 R-(+)-Limonene	+++++	+++++	+++++	+++++	0.48208	0.41536		
	0.37822	0.36564	0.44051	0.45683	+++++		0.42311	10.725
44 1,3-Dichlorobenzene	+++++	1.08128	1.08694	0.85319	1.10148	1.02832		
	0.86548	0.82186	0.92570	0.81276	0.72039		0.92974	14.609
45 1,4-Dichlorobenzene	+++++	0.80475	0.79855	0.62248	0.83101	0.73053		
	0.63769	0.60974	0.68196	0.67396	0.72679		0.71175	11.197
46 1,2-Dichlorobenzene	+++++	0.94468	0.94971	0.73352	0.94693	0.88372		
	0.74088	0.70367	0.80248	0.72255	0.67365		0.81018	13.650
47 1,4-Dithiane	+++++	0.53204	0.53590	0.41071	0.55731	0.50077		
	0.46557	0.46690	0.54634	0.50918	+++++		0.50275	9.440
48 1,2,4-Trichlorobenzene	+++++	0.73454	0.77068	0.57525	0.76861	0.68484		
	0.58111	0.55323	0.65430	0.63296	0.63352		0.65890	12.022
49 Naphthalene	+++++	2.49019	2.61497	1.97234	2.69006	2.37695		
	2.09743	1.98698	2.34415	2.18608	2.13308		2.28922	11.103

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-APR-2015 08:40
End Cal Date : 27-APR-2015 13:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Cal Date : 27-Apr-2015 14:05 gmash
Curve Type : Average

	0.02500	0.05000	0.10000	0.20000	0.50000	1.000	___	
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
	5.000	20.000	50.000	100.000	200.000			
	Level 7	Level 8	Level 9	Level 10	Level 11			
50 1,2,3-Trichlorobenzene	+++++	0.69968	0.74856	0.57636	0.74842	0.67349		
	0.57747	0.54233	0.64957	0.60997	0.60718		0.64330	11.315
$ 26 Toluene-d8	0.90145	0.89810	0.89767	0.89641	0.89713	0.91049		
	0.90079	0.91660	0.90649	0.89973	0.91343		0.90348	0.789

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-APR-2015 08:40
End Cal Date : 27-APR-2015 13:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Cal Date : 27-Apr-2015 14:05 gmash
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 13.5121126
Maximun Average %RSD = 30
* Passed Average %RSD Test.

Calibration History

Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Start Cal Date: 27-APR-2015 08:40
End Cal Date : 27-APR-2015 13:25

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.02500		
27-APR-2015 08:40	mpxylene	/chem/msd10.i/27Apr2015.b/10042703sim.d
Cal Level: 2 , Cal Amount: 0.05000		
27-APR-2015 09:04	0.05	/chem/msd10.i/27Apr2015.b/10042704sim.d
Cal Level: 3 , Cal Amount: 0.10000		
27-APR-2015 09:27	0.1	/chem/msd10.i/27Apr2015.b/10042705sim.d
Cal Level: 4 , Cal Amount: 0.20000		
27-APR-2015 09:51	0.2	/chem/msd10.i/27Apr2015.b/10042706sim.d
Cal Level: 5 , Cal Amount: 0.50000		
27-APR-2015 13:25	all	/chem/msd10.i/27Apr2015.b/10042715sim.d
Cal Level: 6 , Cal Amount: 1.00000		
27-APR-2015 10:38	all	/chem/msd10.i/27Apr2015.b/10042708sim.d
Cal Level: 7 , Cal Amount: 5.00000		
27-APR-2015 11:01	all	/chem/msd10.i/27Apr2015.b/10042709sim.d
Cal Level: 8 , Cal Amount: 20.00000		

|27-APR-2015 11:25 |all |/chem/msd10.i/27Apr2015.b/10042710sim.d |

Cal Level: 9 , Cal Amount: 50.00000
27-APR-2015 11:48 |all-cm |/chem/msd10.i/27Apr2015.b/10042711sim.d

Cal Level: 10, Cal Amount: 100.00000
27-APR-2015 12:14 |100 |/chem/msd10.i/27Apr2015.b/10042712sim.d

Cal Level: 11, Cal Amount: 200.00000
27-APR-2015 12:37 |200 |/chem/msd10.i/27Apr2015.b/10042713sim.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 7

Ccal Level: 7 , Ccal Amount: 5.00000
27-APR-2015 11:01 |all |/chem/msd10.i/27Apr2015.b/10042709sim.d

Ccal Level: 7 , Ccal Amount: 5.00000
27-APR-2015 11:01 |all |/chem/msd10.i/27Apr2015.b/10042709sima.d

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-APR-2015 08:40
End Cal Date : 27-APR-2015 13:25
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Cal Date : 27-Apr-2015 14:05 gmash
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd10.i/27Apr2015.b/10042703sim.d
Level 2: /chem/msd10.i/27Apr2015.b/10042704sim.d
Level 3: /chem/msd10.i/27Apr2015.b/10042705sim.d
Level 4: /chem/msd10.i/27Apr2015.b/10042706sim.d
Level 5: /chem/msd10.i/27Apr2015.b/10042715sim.d
Level 6: /chem/msd10.i/27Apr2015.b/10042708sim.d
Level 7: /chem/msd10.i/27Apr2015.b/10042709sim.d
Level 8: /chem/msd10.i/27Apr2015.b/10042710sim.d
Level 9: /chem/msd10.i/27Apr2015.b/10042711sim.d
Level 10: /chem/msd10.i/27Apr2015.b/10042712sim.d
Level 11: /chem/msd10.i/27Apr2015.b/10042713sim.d

gmw 4/28/15

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
1 Chloromethane	+++++	+++++	0.04483	0.03998	0.03798	0.03969		
	0.04281	0.04226	+++++	+++++	+++++		0.04126	6.039
2 Vinyl Chloride	+++++	+++++	0.10391	0.06882	0.07179	0.07183		
	0.06707	0.08158	0.07510	0.06449	0.05642		0.07345	18.230
3 Ethanol	+++++	+++++	0.05180	0.05085	0.04902	0.04483		
	0.04381	0.04801	0.05023	0.04538	0.04052		0.04716	7.960
4 1,1-Dichloroethene-CCC	+++++	+++++	0.12723	0.08303	0.10152	0.08731		
	0.10460	0.11241	0.07954	0.08616	0.06706		0.09432	19.739
5 Acetone	+++++	+++++	0.08997	0.06506	0.07843	0.07678		
	0.07761	0.08625	0.07686	0.07400	0.06458		0.07662	10.926
6 2-Propanol	+++++	+++++	0.26174	0.20104	0.20239	0.19179		
	0.21512	0.23360	0.23323	0.22613	0.21215		0.21969	9.776

Initial Calibration Narrative

An 11 point initial calibration was analyzed on MSD-10 on 04/27/2015. The curve passed for SOP 100.

ICV- 1 out (Chloromethane: 142% file ID: 10042717sim, STD#2595-231-5.0)

As noted on the accompanying analytical run log, Level 5 was reanalyzed due to anomalous unacceptable linearity for 1,2-Dichloroethane.

All compounds were curved from 0.05ug/mL to 200ug/mL, but there are exceptions. Please refer to ICAL summary for calibration ranges for each compound.

Unit: ug/mL

The analysis based on 2uL injection in slow mode.

Eurofins Air Toxics, Inc. **MSD-10** **Logbook #: 2686**

BFB Injection Date: 4/27/15
BFB Injection Time: 0806
BFB File ID: 10042701

IS/S Std.#: 2595215-125	Exp. Date: 8/20/15
2-Fluorotoluene SIM: 216118	

Verified CCV IS vs ICAL mid-point (-50% to +100% D) gmv *initials*

Calculation Check:

µg/L of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} \times DF = \frac{(10844)}{(301168)} \times \frac{(5.0)}{(0.80940)} \times 2.00 =$ 0.44 µg

File ID:	10042730SIM
Compound:	Benzene
Initials:	gmv

Reported Result 0.44 µg

	Use	File #	Sample / Client Name	Vial #	DF	Date Analyzed	Time Analyzed	Initial	Comments
1	✓	10042701	2299-807 BFB	1	1.00	4/27/15	0806	gmv	
2	✓	02	CS_2 Blank	2			0847		
3	✓	03	2595-224-0.05→0.025	3			0840		Level 1 (m,p-xylene)
4	✓	04	2595-224-0.05	4			0924		Level 2
5	✓	05	-0.10	5			0927		Level 3
6	✓	06	-0.20	6			0951		Level 4
7	X	07	-0.50	7			1014		Level 5
8	✓	08	-1.0	8			1038		Level 6
9	✓	09	-5.0	9			1101		Level 7 (CCV)
10	✓	10	-20	10			1125		Level 8
11	✓	11	-50	11			1148		Level 9
12	✓	12	2595-218-500→100	12			1214		Level 10 (20:100)
13	✓	13	→200	13			1237		Level 11 (40:100)
14	✓	14	CS_2 Blank	14			1301		
15	✓	15	2595-224-0.50	15	↓	↓	1325	↓	Level 5

Reviewed: gmv Date: 4/28/15

16	X	1004276	2595-231-5	16	1.00	4/27/15	1350	gm	ICV Acetone, Hexane ✓
17	✓	17	↓	17	↓	↓	1415	↓	ICV (1-ow) ✓
18	✓	18	1504278-LCS	18			1438		
19	✓	19	-LCSD	18			1502		
20	✓	20	-BLK	19			1526		
21	✓	21	-01A	20			1550		
22	✓	22	1504283/459-LCS	21			1613		
23	✓	23	-LCSD	21			1637		
24	✓	24	-BLK	22			1701		
25	✓	25	1504283-01A	23			1725		
26	✓	26	1504459-01A	24			1749		
27	✓	27	-02A	25			1812		
28	✓	28	-03A	26			1836		
29	✓	29	-04A	27			1900		
30	✓	30	-05A	28	↓	↓	1924	↓	
31									
32									
33									
34									
35									
36									
37									

Comments:

gm 4/28/15

Reviewed: gm Date: 4/28/15

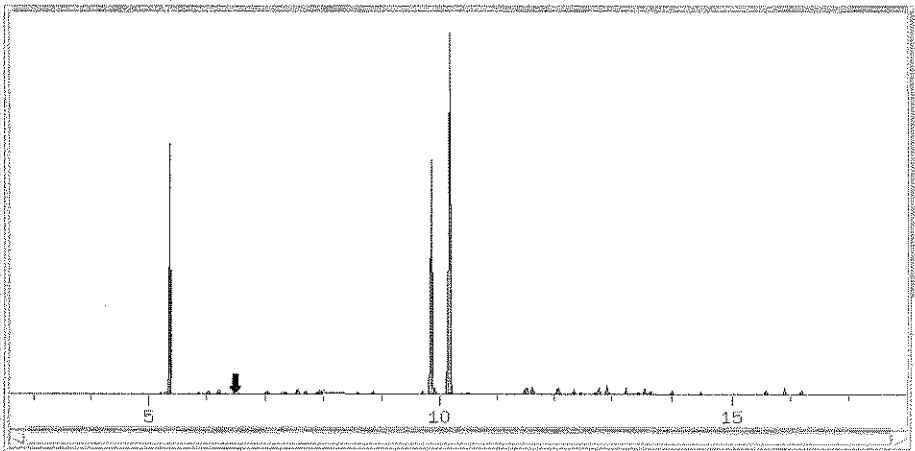
TargetReview: eeyore: 2595-224-0.05: /chem/msd10.i/27Apr2015.b/10042704sim.d

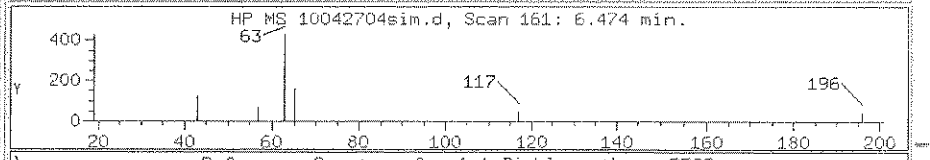
File Security Edit Display Process Spectra Help

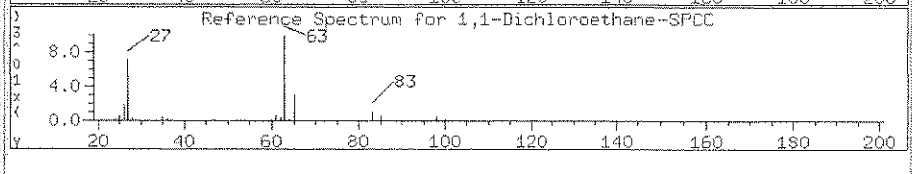
Sample: 2595-224-0.05 Type: CALIB_2 Inj.Date: 27-APR-2015 09:04

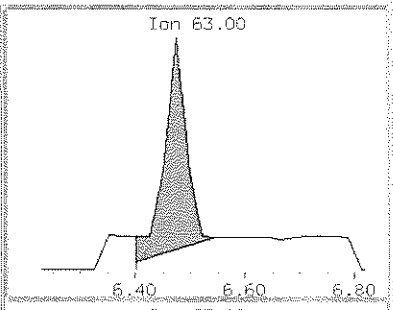
+ 7 MTBE
+ 9 Hexane
+ 10 Halothane
+ 11 1,1-Dichloroet
+ 14 cis-1,2-Dichlo
+ 13 2-Butanone
+ 15 Chloroform-CCC
+ 16 Cyclohexane
+ 17 1,1,1-Trichlor
+ 18 Carbon Tetrach
+ 20 1,2-Dichloroeth
+ 21 Heptane
+ 22 Trichloroethen
+ 24 Methyl Methacr
\$+ 26 Toluene-d8
+ 28 Toluene-CCC
*+ 29 2-Fluorotoluen
+ 30 1,1,2-Trichlor
+ 31 Tetrachloroeth
+ 32 Chlorobenzene
+ 33 Ethylbenzene-Cl
+ 209 1,1,1,2-Tetracl
+ 34 m,p-Xylene
+ 36 o-Xylene
+ 37 Styrene

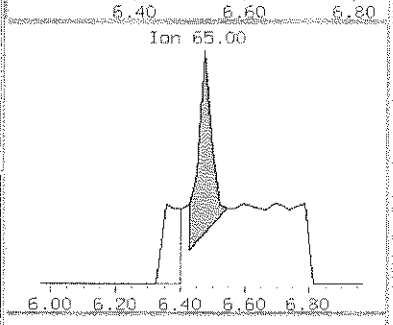
10042703sim.d
10042704sim.d
10042705sim.d
10042706sim.d
10042715sim.d
10042708sim.d
10042709sim.d
10042710sim.d
10042711sim.d
10042712sim.d
10042713sim.d









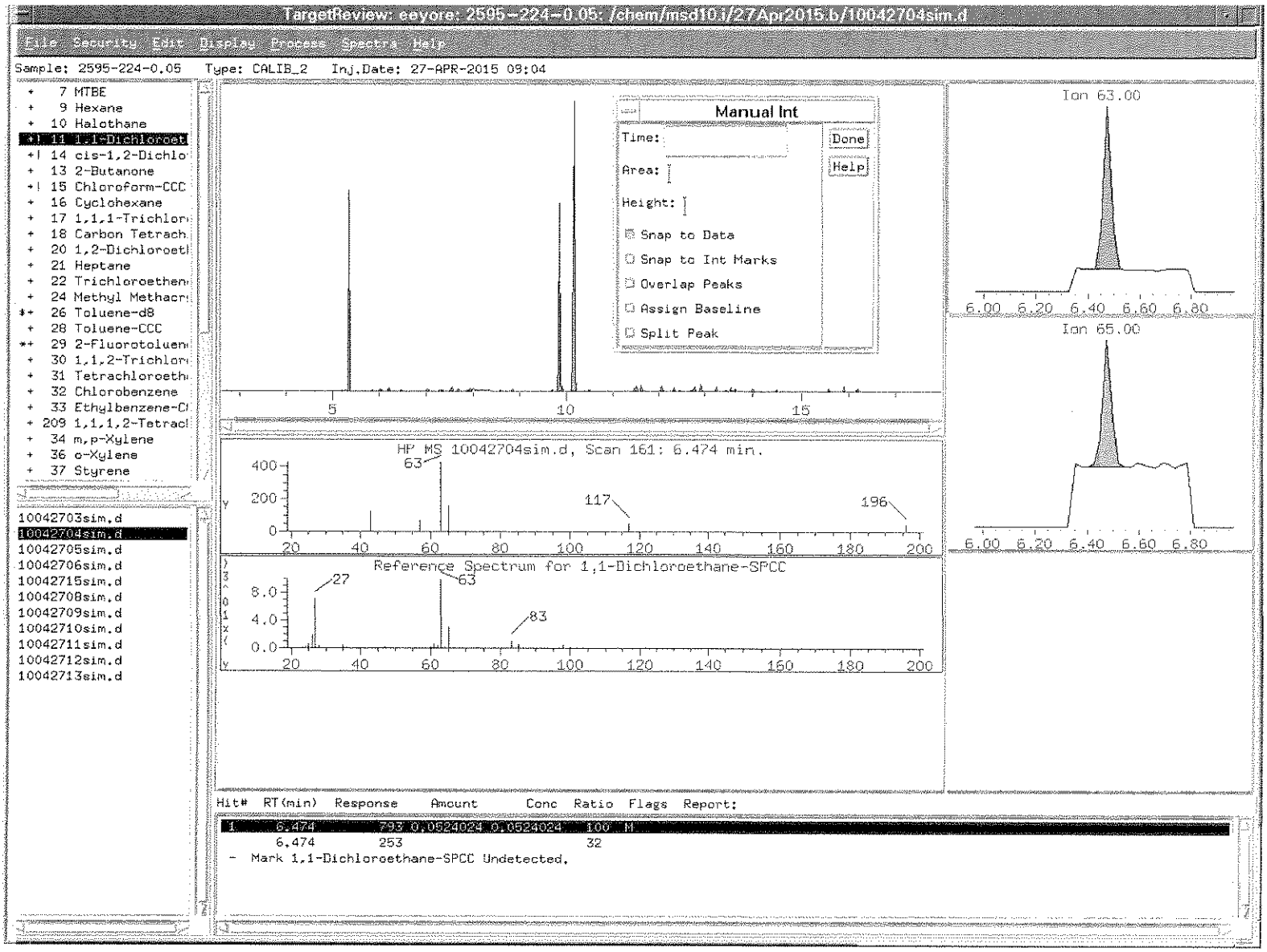


Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	6.353	241	0.0173787	0.0173787	100	a	
	6.353	239			99		
2	6.474	981	0.0708268	0.0708268	100		
	6.474	379			39		

- Mark 1,1-Dichloroethane-SPCC Undetected.

Before

gm 4/28/15



4/28/15 AS

After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

4/28/15

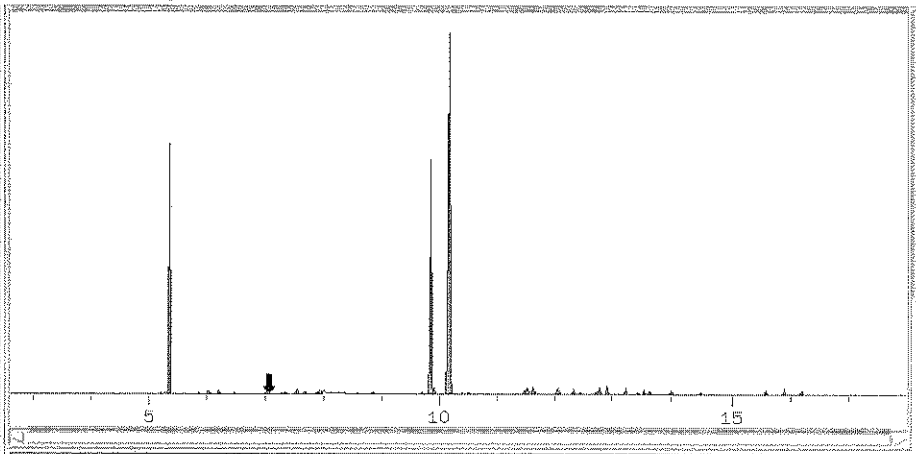
TargetReview: eeyore: 2595-224-0.05: /chem/msd10.i/27Apr2015.b/10042704sim.d

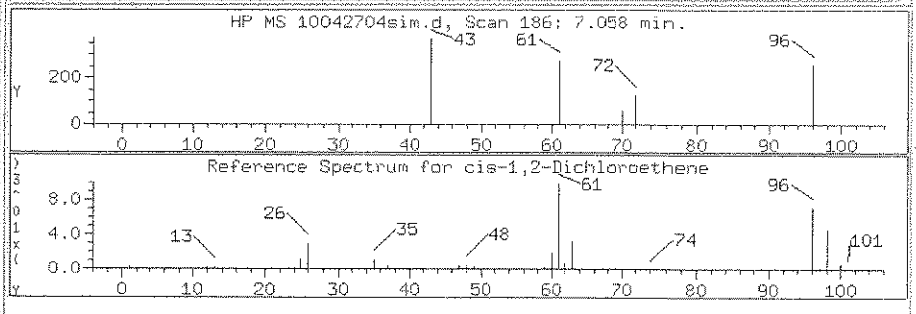
File Security Edit Display Process Spectra Help

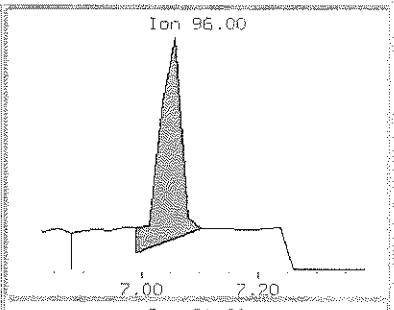
Sample: 2595-224-0.05 Type: CALIB_2 Inj.Date: 27-APR-2015 09:04

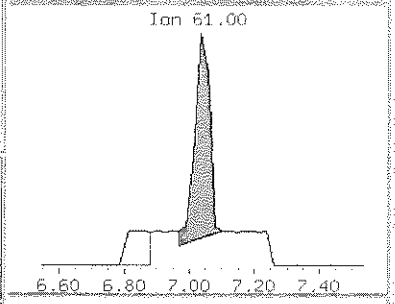
+ 7 MTBE
+ 9 Hexane
+ 10 Halothane
+ 11 1,1-Dichloroetl
+ 14 cis-1,2-Dichlo
+ 13 2-Butanone
+ 15 Chloroform-CCC
+ 16 Cyclohexane
+ 17 1,1,1-Trichlor
+ 18 Carbon Tetrach
+ 20 1,2-Dichloroetl
+ 21 Heptane
+ 22 Trichloroethen
+ 24 Methyl Methacr
*+ 26 Toluene-d8
+ 28 Toluene-CCC
*+ 29 2-Fluorotoluen
+ 30 1,1,2-Trichlor
+ 31 Tetrachloroeth
+ 32 Chlorobenzene
+ 33 Ethylbenzene-Cl
+ 209 1,1,1,2-Tetracl
+ 34 m,p-Xylene
+ 36 o-Xylene
+ 37 Styrene

10042703sim.d
10042704sim.d
10042705sim.d
10042706sim.d
10042715sim.d
10042708sim.d
10042709sim.d
10042710sim.d
10042711sim.d
10042712sim.d
10042713sim.d





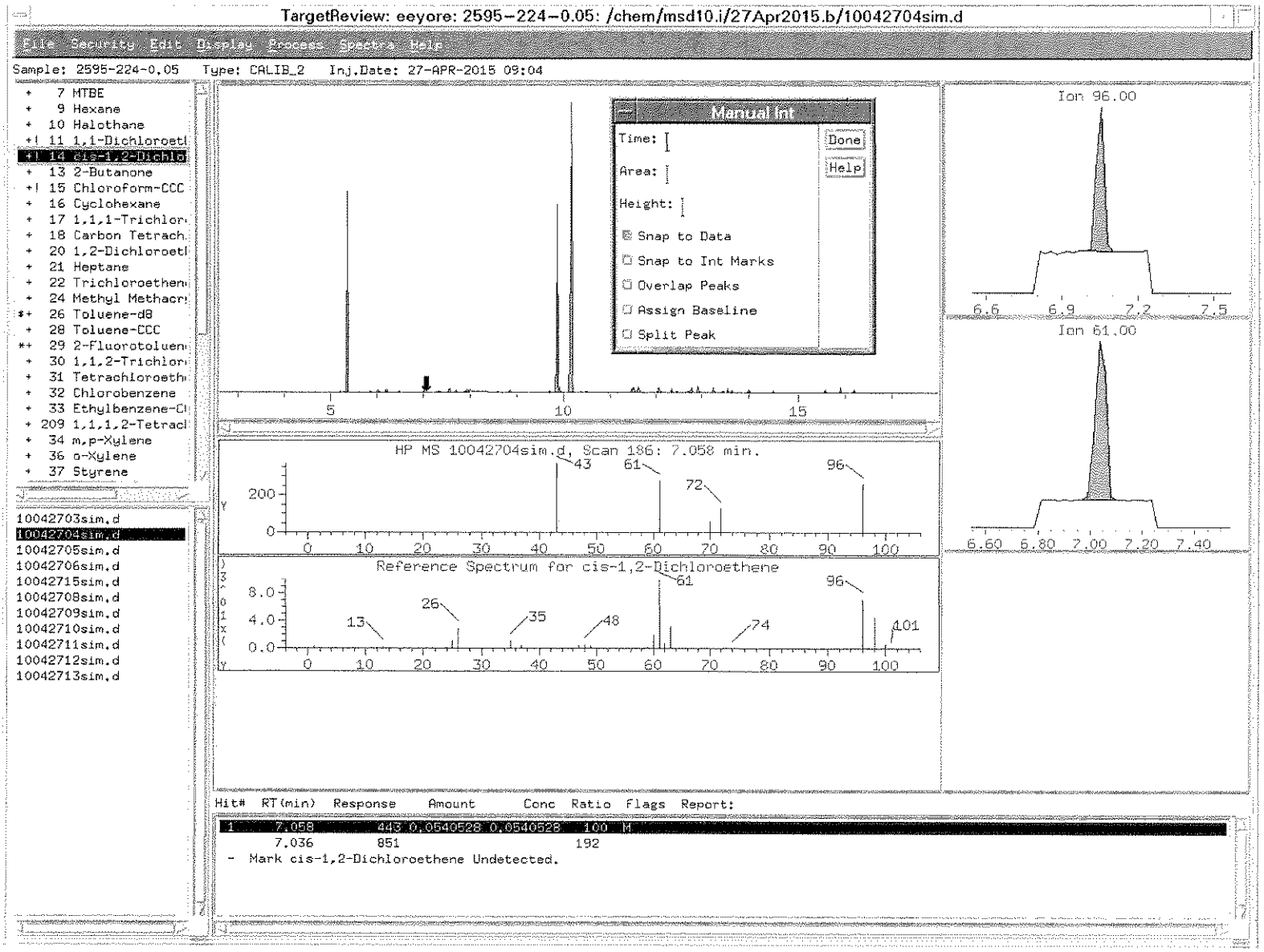




Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	6.812	314	0.0411680	0.0411680	100		
	6.812	266			85		
2	7.058	535	0.0702206	0.0702206	100		
	7.036	955			178		

- Mark cis-1,2-Dichloroethene Undetected.

Before
gm
4/28/15



4/28/15
AC

After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

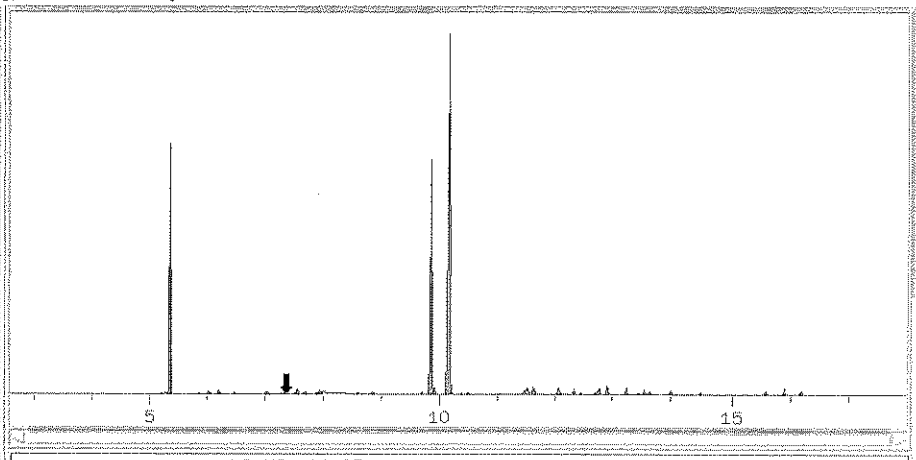
JW
4/28/15

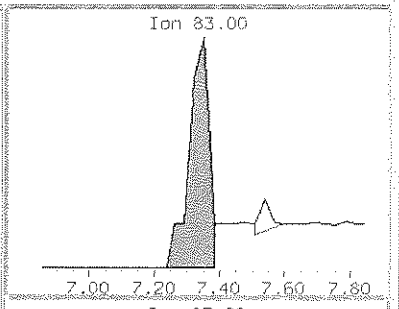
TargetReview: eeyore: 2595-224-0.05: /chem/msd10.i/27Apr2015.b/10042704sim.d

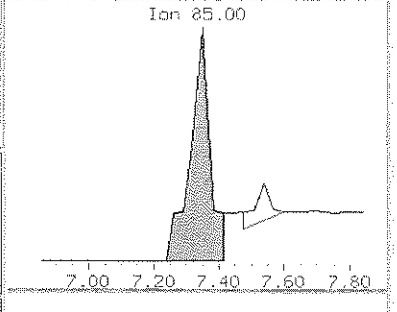
File Security Edit Display Process Spectra Help

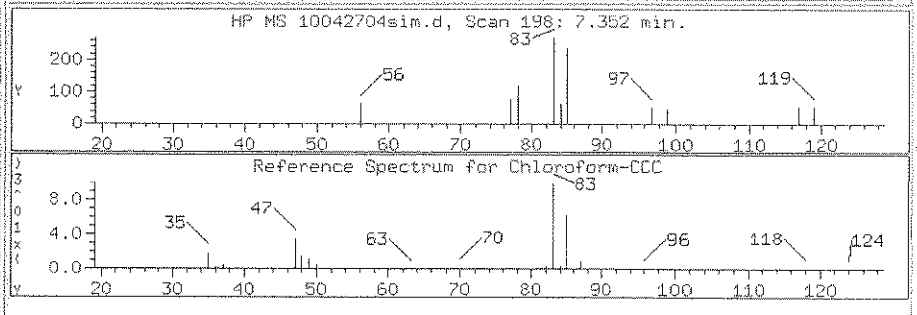
Sample: 2595-224-0.05 Type: CALIB_2 Inj.Date: 27-APR-2015 09:04

- 7 MTBE
- 9 Hexane
- 10 Halothane
- 11 1,1-Dichloroetl
- 14 cis-1,2-Dichlo
- 13 2-Butanone
- 15 Chloroform-CCC
- 16 Cyclohexane
- 17 1,1,1-Trichlor
- 18 Carbon Tetrach
- 20 1,2-Dichloroetl
- 21 Heptane
- 22 Trichloroethen
- 24 Methyl Methacr
- $ 26 Toluene-d8
- 28 Toluene-CCC
- * 29 2-Fluorotoluen
- 30 1,1,2-Trichlor
- 31 Tetrachloroeth
- 32 Chlorobenzene
- 33 Ethylbenzene-Cl
- 209 1,1,1,2-Tetracl
- 34 m,p-Xylene
- 36 o-Xylene
- 37 Styrene









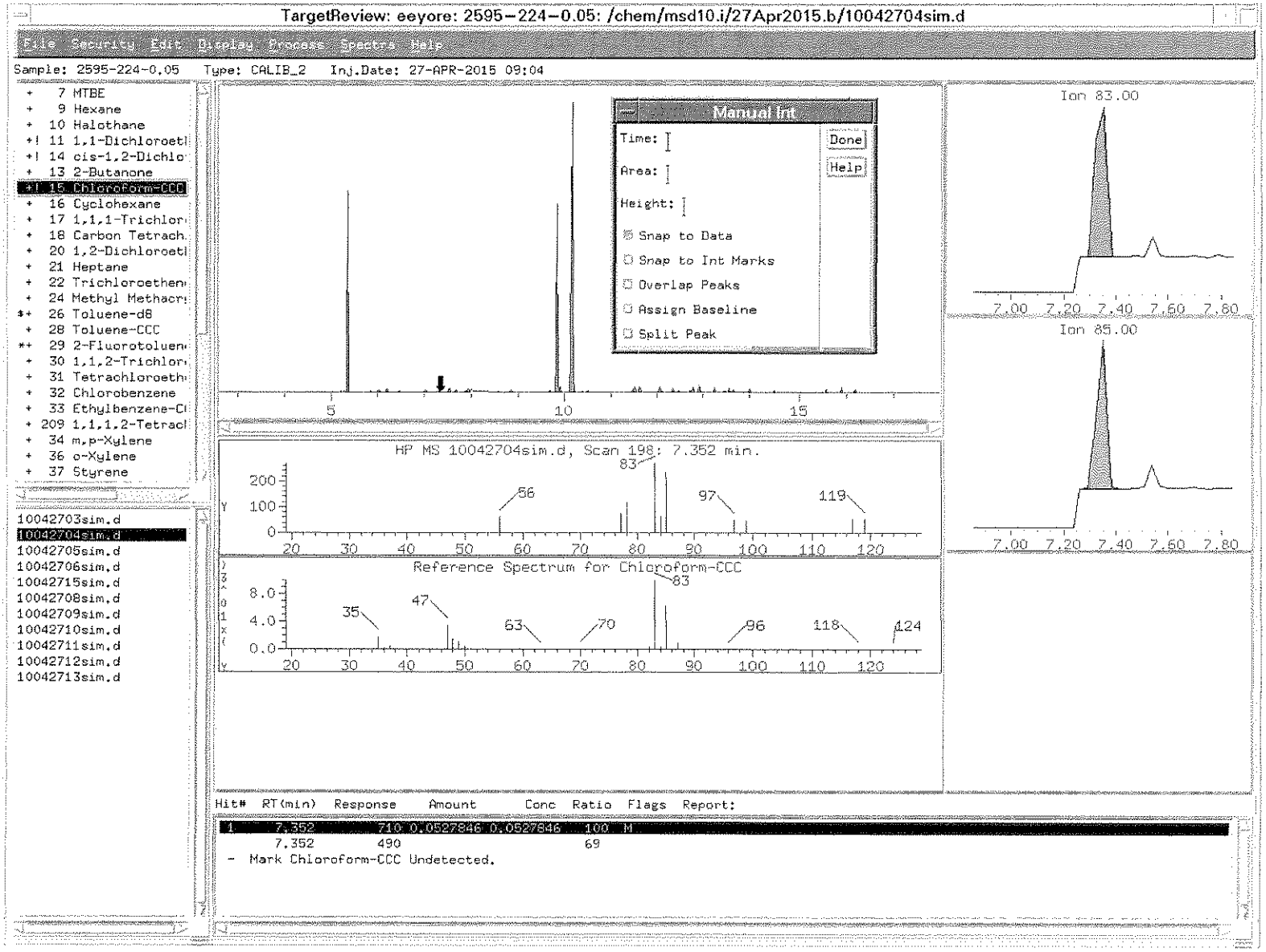
10042703sim.d
10042704sim.d
10042705sim.d
10042706sim.d
10042715sim.d
10042708sim.d
10042709sim.d
10042710sim.d
10042711sim.d
10042712sim.d
10042713sim.d

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	7.352	1126	0.0861231	0.0861231	100		
	7.352	976			87		
2	7.537	102	0.00777984	0.00777984	100	a	
	7.537	140			137		

- Mark Chloroform-CCC Undetected.

Before

9m 4/28/15



4/28/15
AG

After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

gm
4/28/15

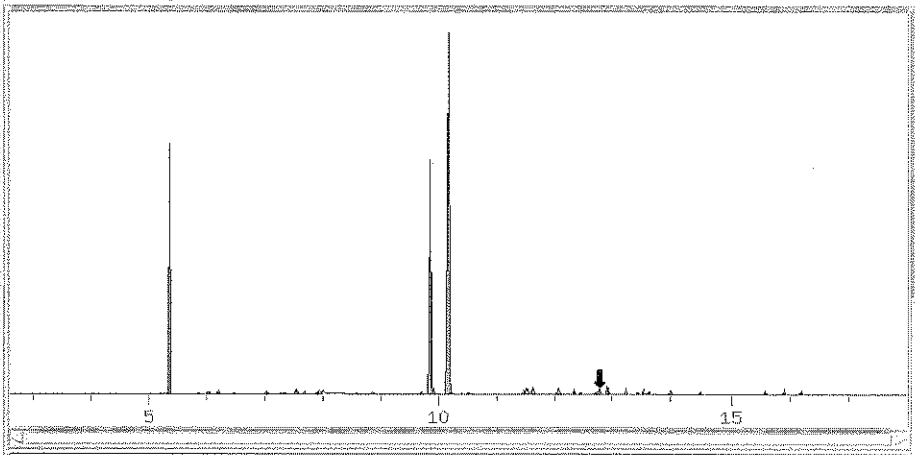
TargetReview: eeyore: 2595-224-0.05: /chem/msd10.i/27Apr2015.b/10042704sim.d

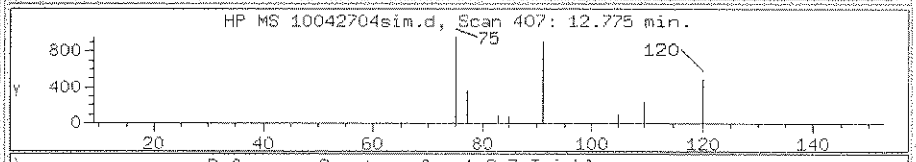
File Security Edit Display Process Spectra Help

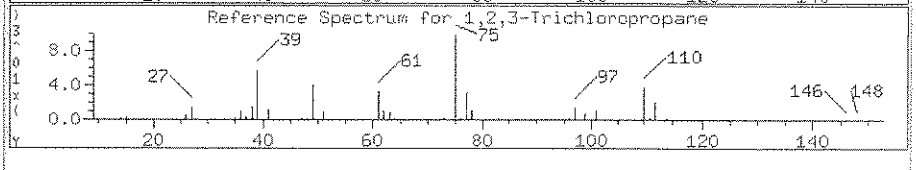
Sample: 2595-224-0.05 Type: CALIB_2 Inj.Date: 27-APR-2015 09:04

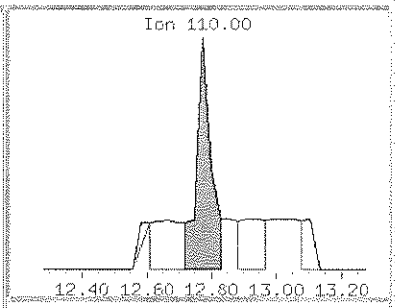
```
$+  26 Toluene-d8
 +  28 Toluene-CCC
*+  29 2-Fluorotoluen
 +  30 1,1,2-Trichlor
 +  31 Tetrachloroeth
 +  32 Chlorobenzene
 +  33 Ethylbenzene-Cl
 + 209 1,1,1,2-Tetracl
 +  34 m,p-Xylene
 +  36 o-Xylene
 +  37 Styrene
 +  38 a-Pinene
 +  39 1,1,2,2-Tetracl
 +  40 Propylbenzene
 + 210 1,2,3-Trichlor
 +  41 1,3,5-Trimethy
 +  42 1,2,4-Trimethy
 +  43 R-(+)-Limonene
 +  44 1,3-Dichlorobe
 +  45 1,4-Dichlorobe
 +  46 1,2-Dichlorobe
 +  47 1,4-Dithiane
 +  48 1,2,4-Trichlor
 +  49 Naphthalene
 +  50 1,2,3-Trichlor
```

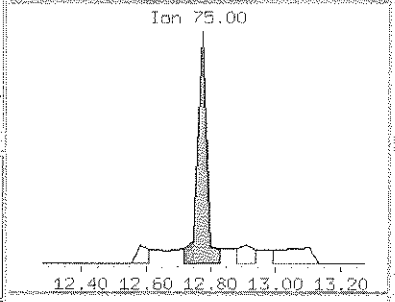
```
10042703sim.d
10042704sim.d
10042705sim.d
10042706sim.d
10042715sim.d
10042708sim.d
10042709sim.d
10042710sim.d
10042711sim.d
10042712sim.d
10042713sim.d
```







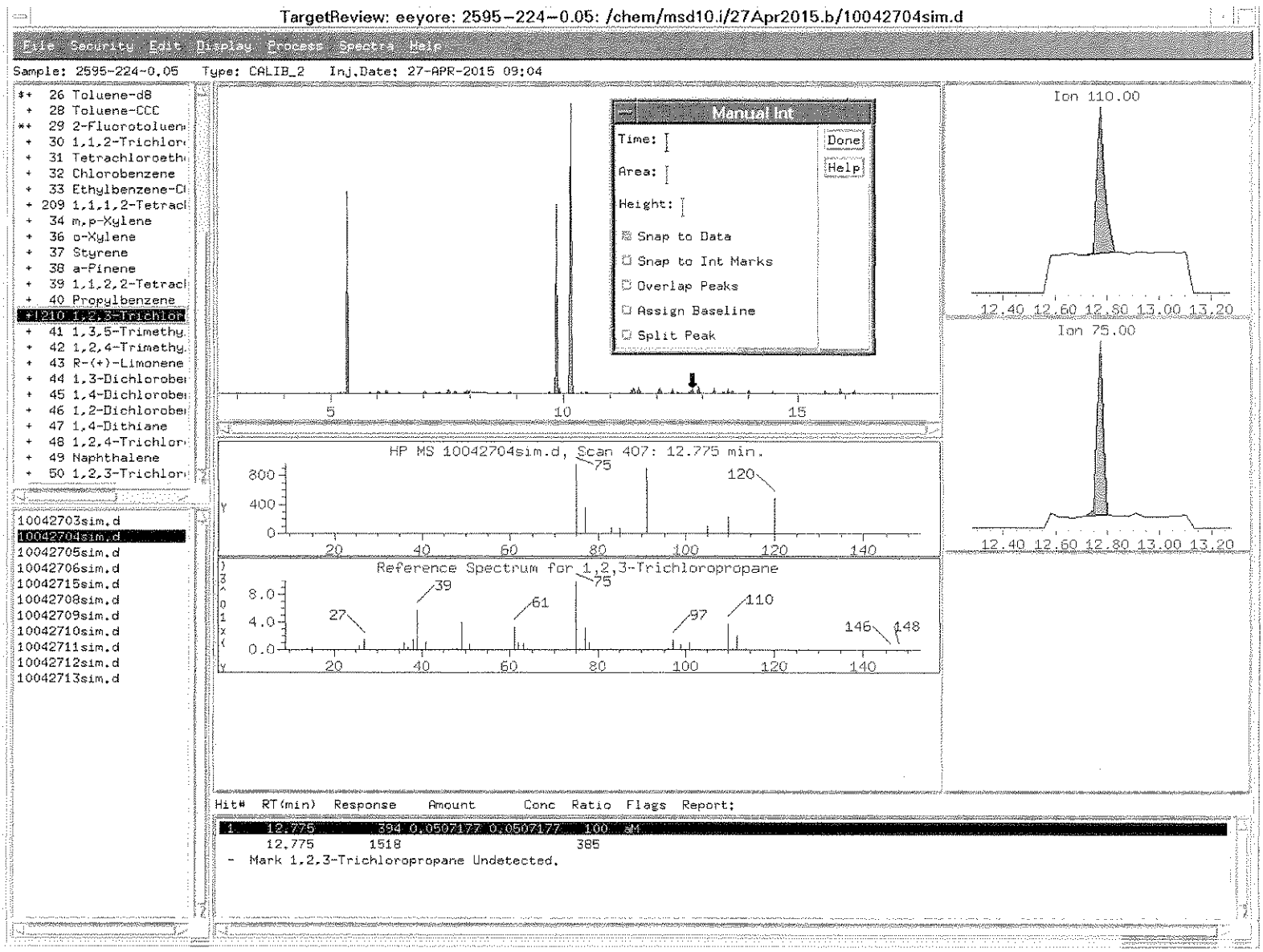




Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	12.583	40	0.00521766	0.00521766	100	a	
	12.583	214			542		
2	12.666	400	0.0528208	0.0528208	100	a	
	12.583	214			54		
3	12.775	802	0.105859	0.105859	100		
	12.775	2024			252		

Before

gm 4/28/15



4/28/15
Acc

After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

4/28/15

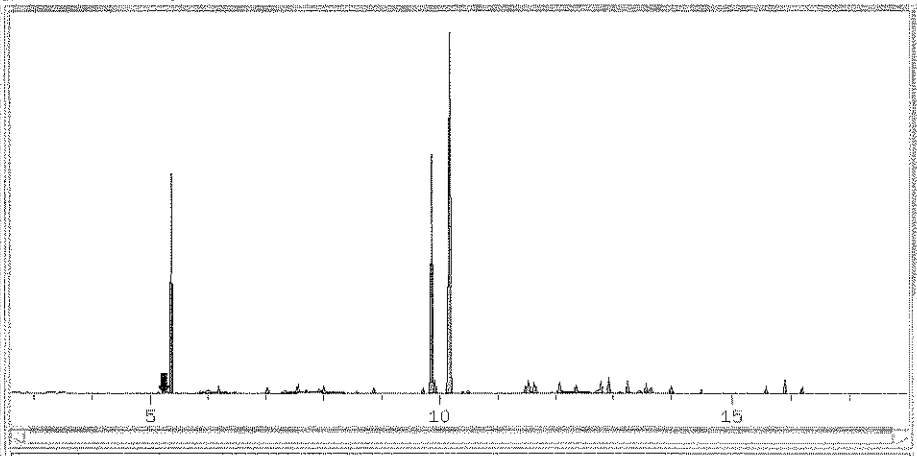
TargetReview: eeyore: 2595-224-0.10: /chem/msd10.i/27Apr2015.b/10042705sim.d

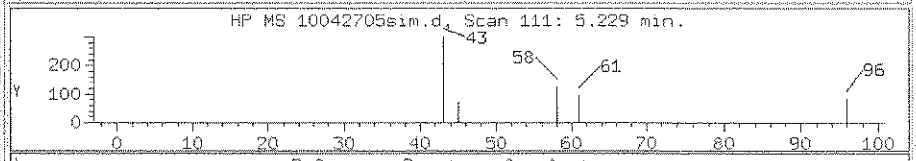
File Security Edit Display Process Spectra Help

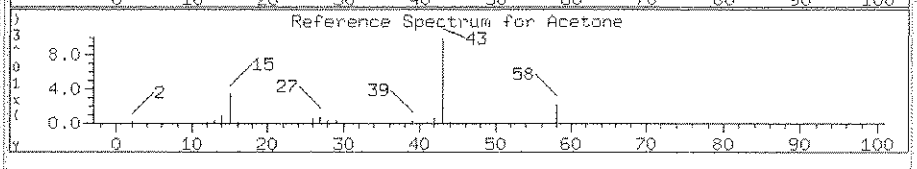
Sample: 2595-224-0,10 Type: CALIB_3 Inj.Date: 27-APR-2015 09:27

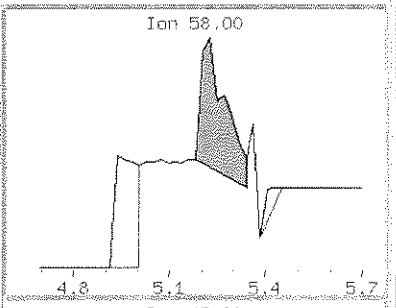
+ 1 Chloromethane
+ 2 Vinyl Chloride
+ 3 Ethanol
+ 4 1,1-Dichloroetl
+ 5 Acetone
+ 6 2-Propanol
+ 7 MTBE
+ 8 trans-1,2-Dich
+ 9 Hexane
+ 10 Halothane
+ 11 1,1-Dichloroetl
+ 12 Ethyl Acetate
+ 13 2-Butanone
+ 14 cis-1,2-Dichlo
+ 15 Chloroform-CCC
+ 16 Cyclohexane
+ 17 1,1,1-Trichlor
+ 18 Carbon Tetrach
+ 19 Benzene
+ 20 1,2-Dichloroetl
+ 21 Heptane
+ 22 Trichloroethen
+ 24 Methyl Methacr
+ 25 4-Methyl-2-pen
#+ 26 Toluene-d8

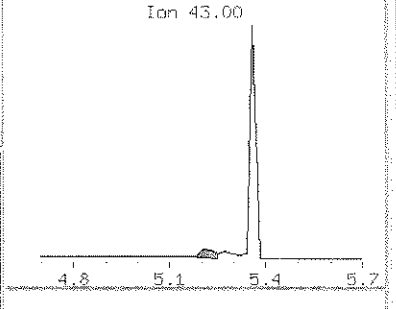
10042703sim.d
10042704sim.d
10042705sim.d
10042706sim.d
10042715sim.d
10042708sim.d
10042709sim.d
10042710sim.d
10042711sim.d
10042712sim.d
10042713sim.d







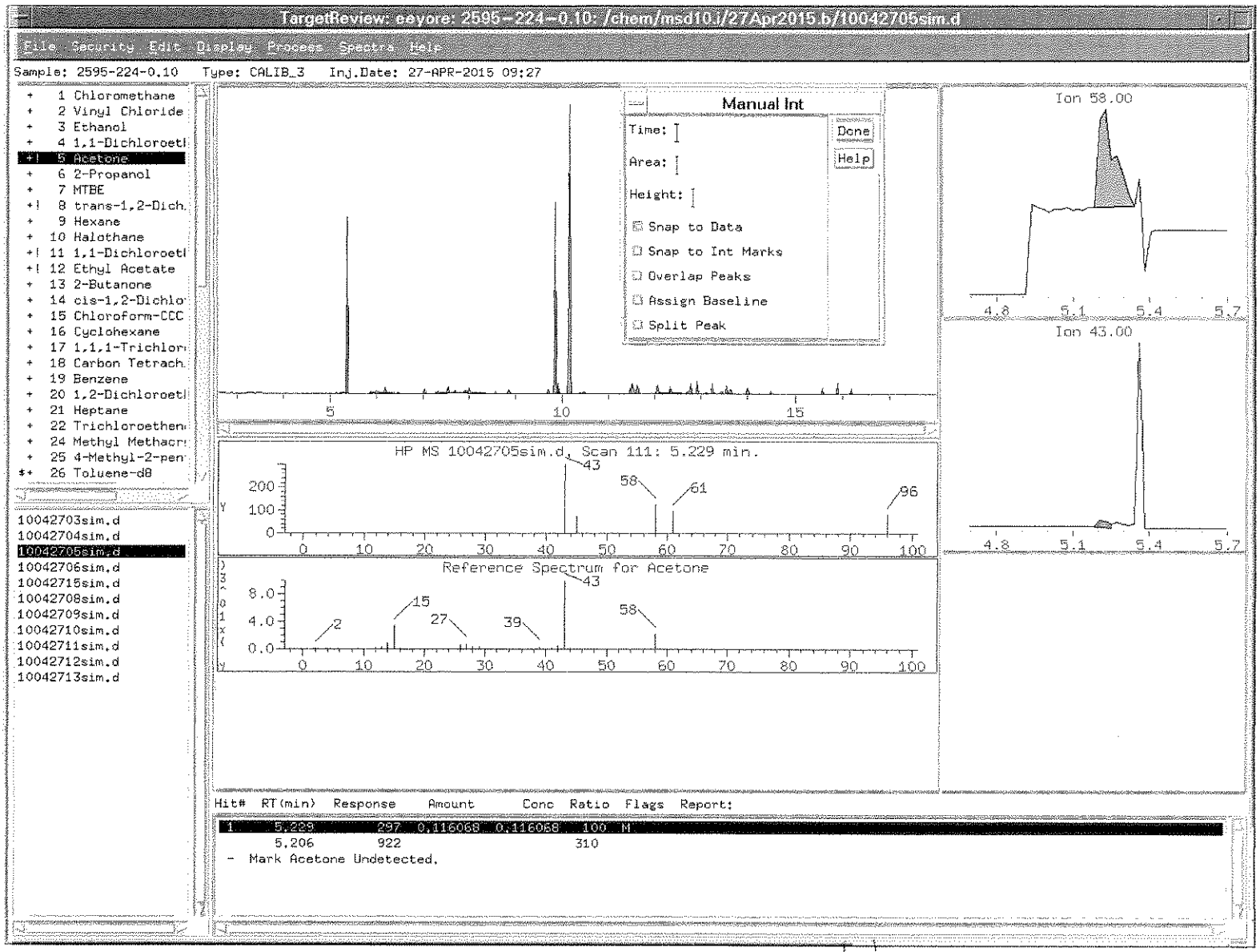




Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	4.937	315	0.120019	0.120019	100		
	5.206	922			293		
2	5.229	383	0.146001	0.146001	100		
	5.206	922			241		
3	5.430	35	0.0133189	0.0133189	100	a	
	5.430	19			54		

Before

gnw
4/28/15



4/28/15
AEG

After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

4/28/15

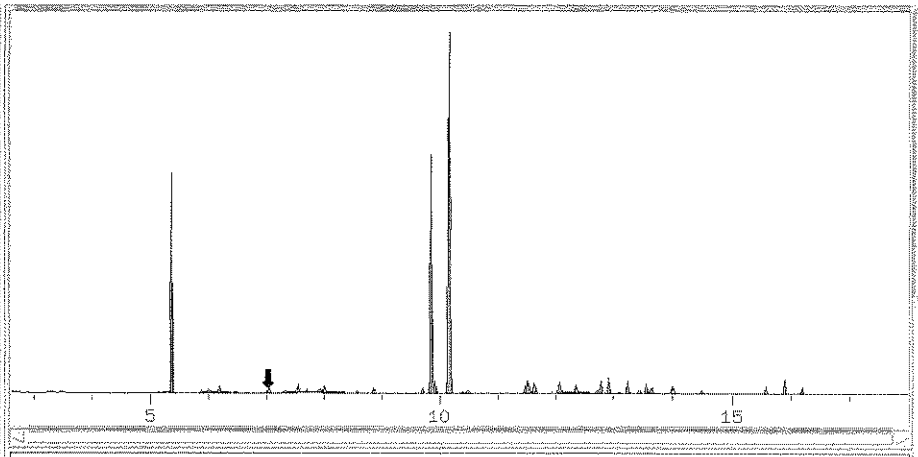
TargetReview: eeyore: 2595-224-0.10: /chem/msd10.i/27Apr2015.b/10042705sim.d

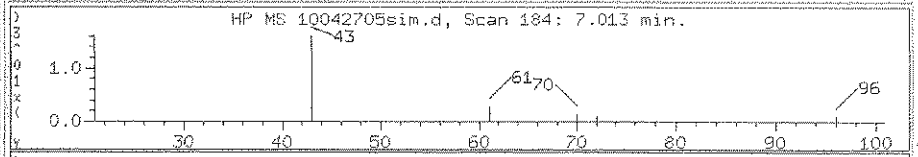
File Security Edit Display Process Spectra Help

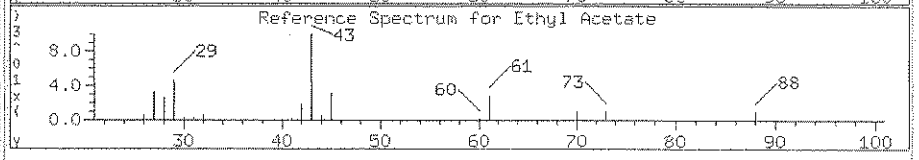
Sample: 2595-224-0.10 Type: CALIB_3 Inj.Date: 27-APR-2015 09:27

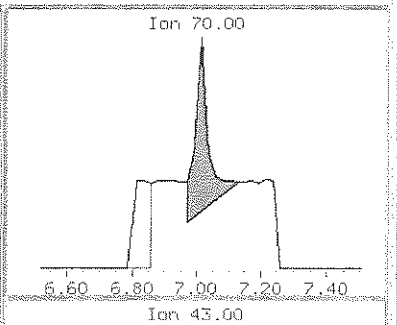
+ 1 Chloromethane
+ 2 Vinyl Chloride
+ 3 Ethanol
+ 4 1,1-Dichloroetl
+ 5 Acetone
+ 6 2-Propanol
+ 7 MTBE
+ 8 trans-1,2-Dich
+ 9 Hexane
+ 10 Halothane
+ 11 1,1-Dichloroetl
+ 12 Ethyl Acetate
+ 13 2-Butanone
+ 14 cis-1,2-Dichlo
+ 15 Chloroform-CCC
+ 16 Cyclohexane
+ 17 1,1,1-Trichlor
+ 18 Carbon Tetrach
+ 19 Benzene
+ 20 1,2-Dichloroetl
+ 21 Heptane
+ 22 Trichloroethen
+ 24 Methyl Methacr
+ 25 4-Methyl-2-pen
$+ 26 Toluene-d8

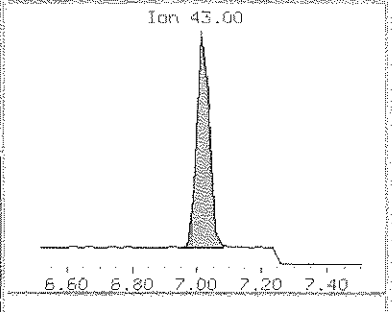
10042703sim.d
10042704sim.d
10042705sim.d
10042706sim.d
10042715sim.d
10042708sim.d
10042709sim.d
10042710sim.d
10042711sim.d
10042712sim.d
10042713sim.d











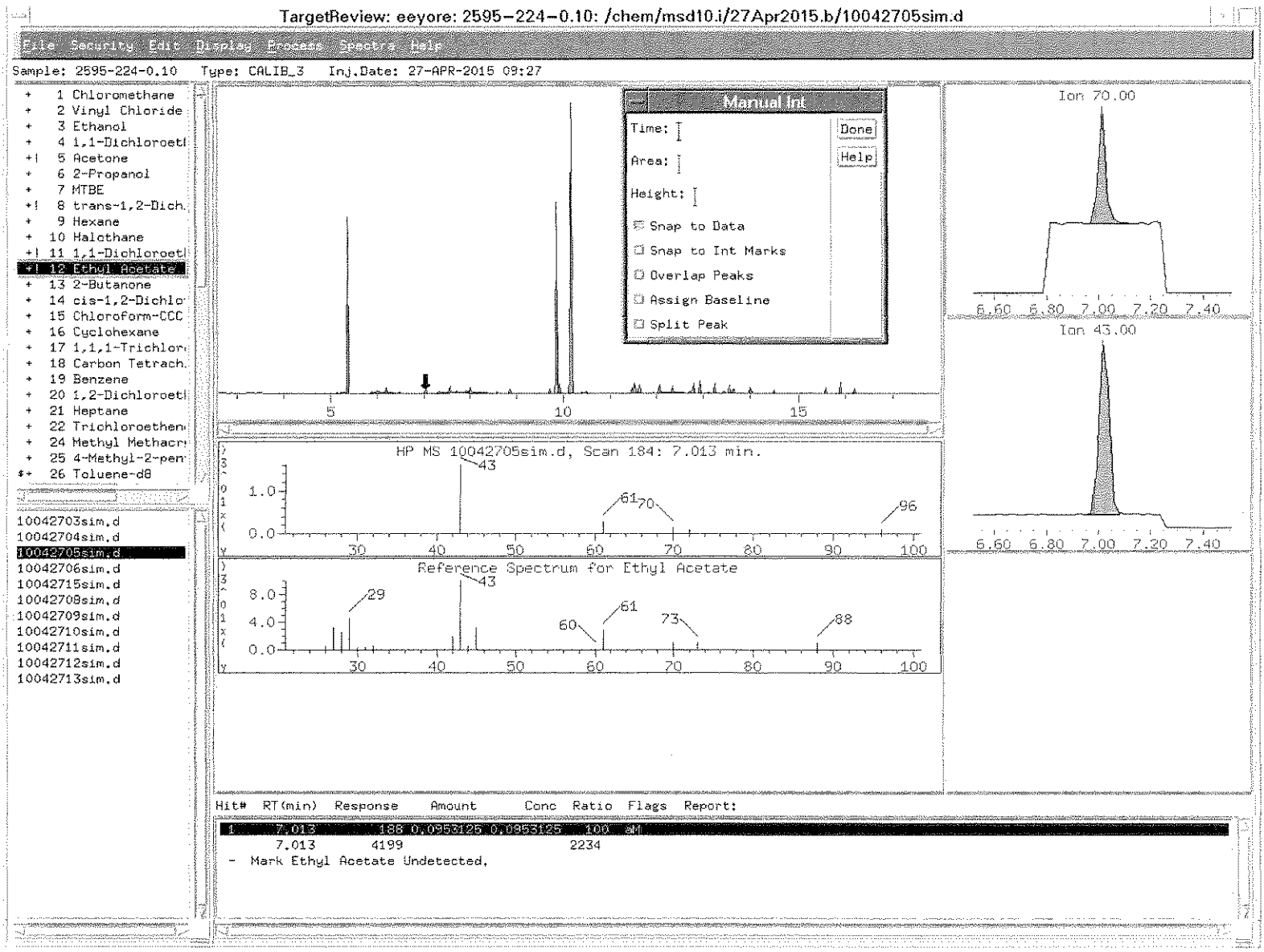
Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	6.811	229	0.123323	0.123323	100		
	7.013	4199			1835		
2	7.013	338	0.179704	0.179704	100		
	7.013	4199			1259		

- Mark Ethyl Acetate Undetected.

Before

ghw

4/28/15



4/28/15 ACG

After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

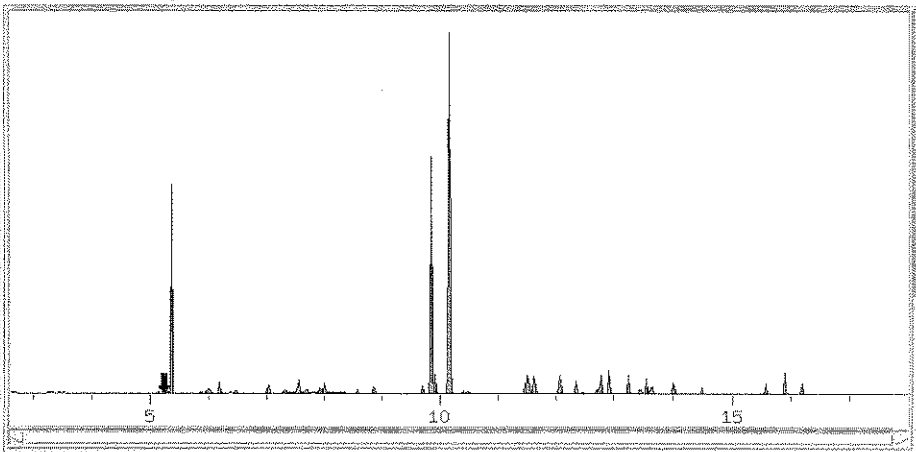
gw 4/28/15

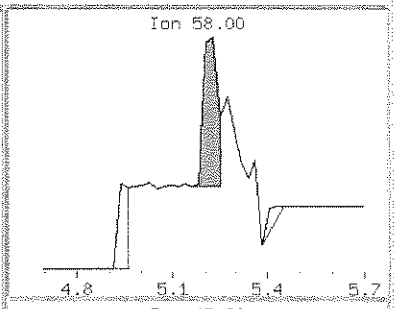
TargetReview: eeyore: 2595-224-0.20: /chem/msd10.i/27Apr2015.b/10042706sim.d

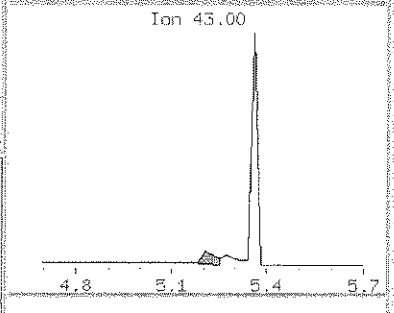
File Security Edit Display Process Spectra Help

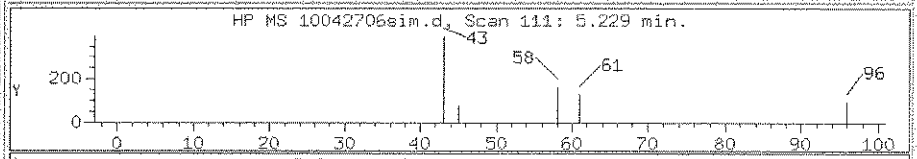
Sample: 2595-224-0.20 Type: CALIB_4 Inj.Date: 27-APR-2015 09:51

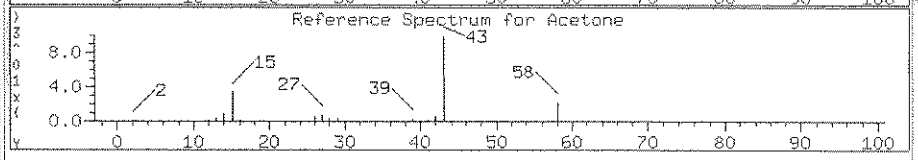
+ 1 Chloromethane
+ 2 Vinyl Chloride
+ 3 Ethanol
+ 4 1,1-Dichloroetl
+ 5 Acetone
+ 6 2-Propanol
+ 7 MTBE
+ 8 trans-1,2-Dich
+ 9 Hexane
+ 10 Halothane
+ 11 1,1-Dichloroetl
+ 12 Ethyl Acetate
+ 13 2-Butanone
+ 14 cis-1,2-Dichlo
+ 15 Chloroform-CCC
+ 16 Cyclohexane
+ 17 1,1,1-Trichlor
+ 18 Carbon Tetrach
+ 19 Benzene
+ 20 1,2-Dichloroetl
+ 21 Heptane
+ 22 Trichloroethen
+ 24 Methyl Methacr
+ 25 4-Methyl-2-pen
++ 26 Toluene-d8









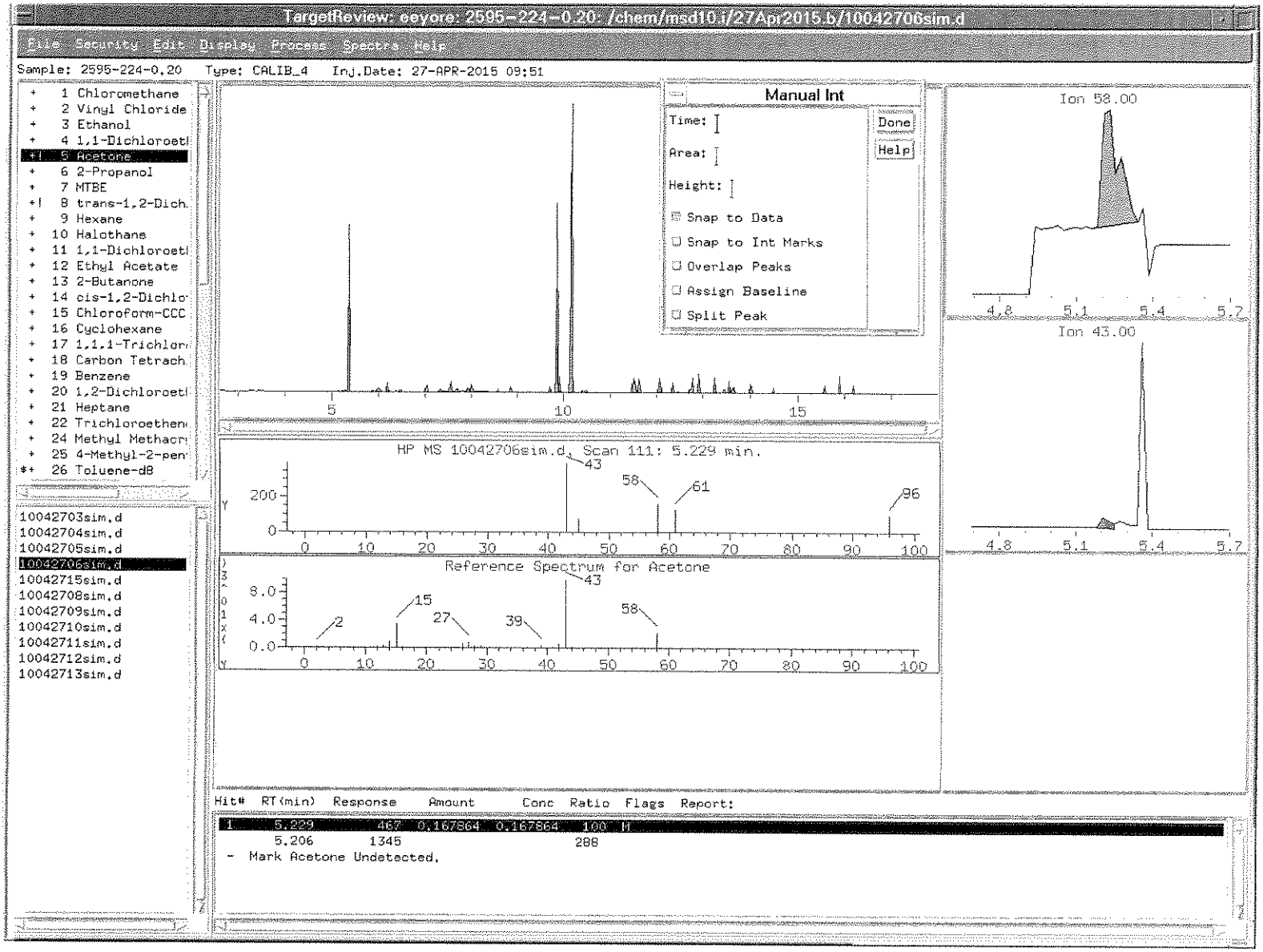


10042703sim.d
10042704sim.d
10042705sim.d
10042706sim.d
10042715sim.d
10042708sim.d
10042709sim.d
10042710sim.d
10042711sim.d
10042712sim.d
10042713sim.d

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	4.937	160	0.0598768	0.0598768	100	a	
	5.206	1345			839		
2	5.229	340	0.126984	0.126984	100		
	5.206	1345			395		
3	5.430	35	0.0130489	0.0130489	100	a	
	5.430	19			54		

Before

4/28/15



4/28/15
AG

After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

gw 4/28/15

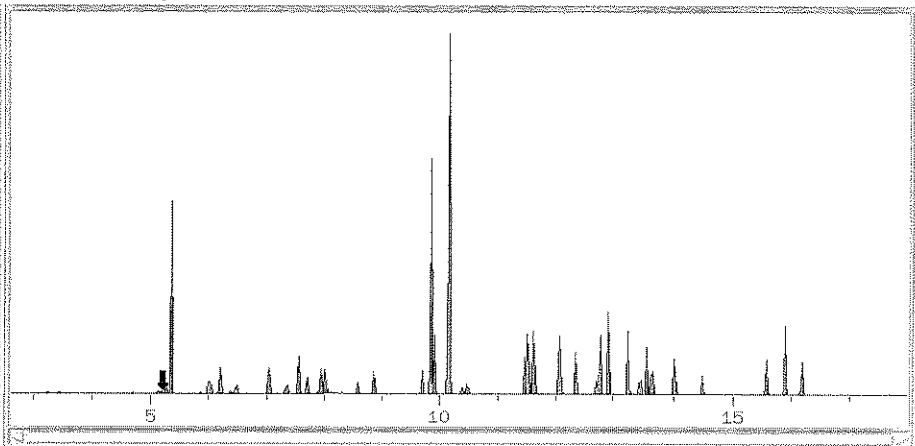
TargetReview: eeyore: 2595-224-0.5: /chem/msd10.i/27Apr2015.b/10042715sim.d

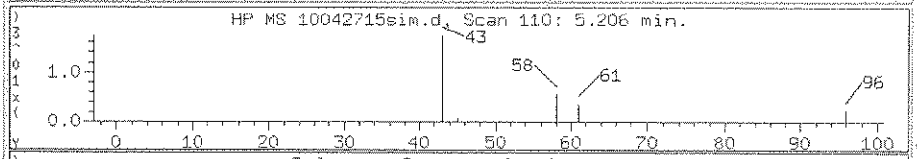
File Security Edit Display Process Spectra Help

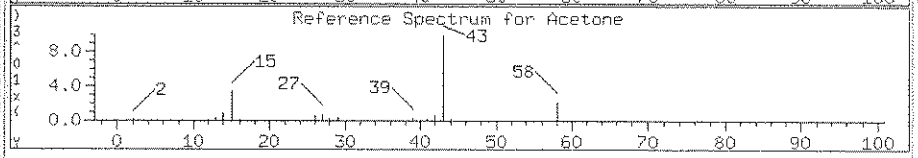
Sample: 2595-224-0.5 Type: CALIB_5 Inj.Date: 27-APR-2015 13:25

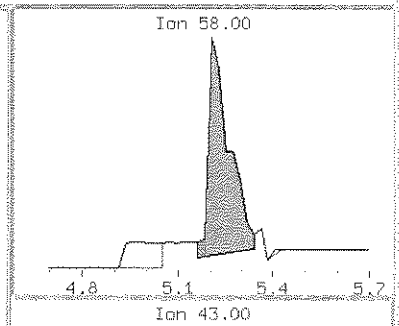
+ 1 Chloromethane
+ 2 Vinyl Chloride
+ 3 Ethanol
+ 4 1,1-Dichloroetl
+ 5 Acetone
+ 6 2-Propanol
+ 7 MTBE
+ 8 trans-1,2-Dich
+ 9 Hexane
+ 10 Halothane
+ 11 1,1-Dichloroetl
+ 12 Ethyl Acetate
+ 13 2-Butanone
+ 14 cis-1,2-Dichlo
+ 15 Chloroform-CCC
+ 16 Cyclohexane
+ 17 1,1,1-Trichlor
+ 18 Carbon Tetrach
+ 19 Benzene
+ 20 1,2-Dichloroetl
+ 21 Heptane
+ 22 Trichloroethen
+ 24 Methyl Methacr
+ 25 4-Methyl-2-pen
$+ 26 Toluene-d8

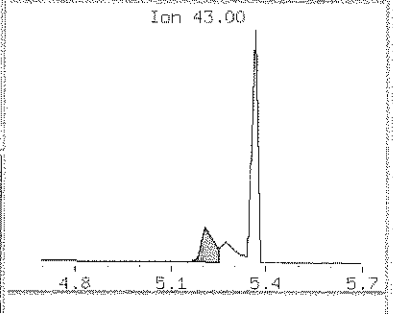
10042703sim.d
10042704sim.d
10042705sim.d
10042706sim.d
10042715sim.d
10042708sim.d
10042709sim.d
10042710sim.d
10042711sim.d
10042712sim.d
10042713sim.d







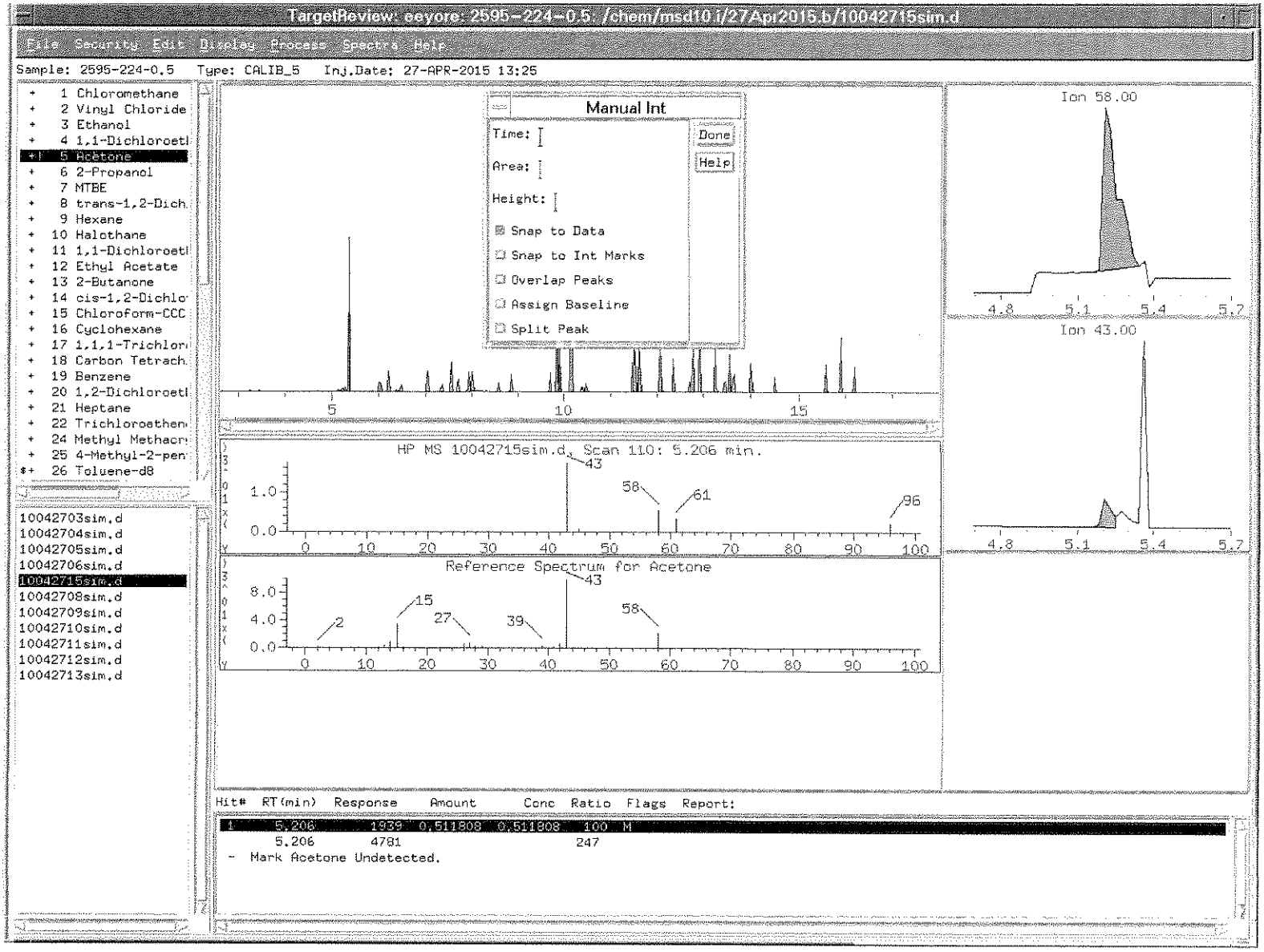




Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	4.960	475	0.122332	0.122332	100		
	5.206	4782			1006		
2	5.206	2369	0.610023	0.610023	100		
	5.206	4782			202		
3	5.408	17	0.00432844	0.00432844	100	a	
	5.430	19			112		

Before

ghw 4/28/15

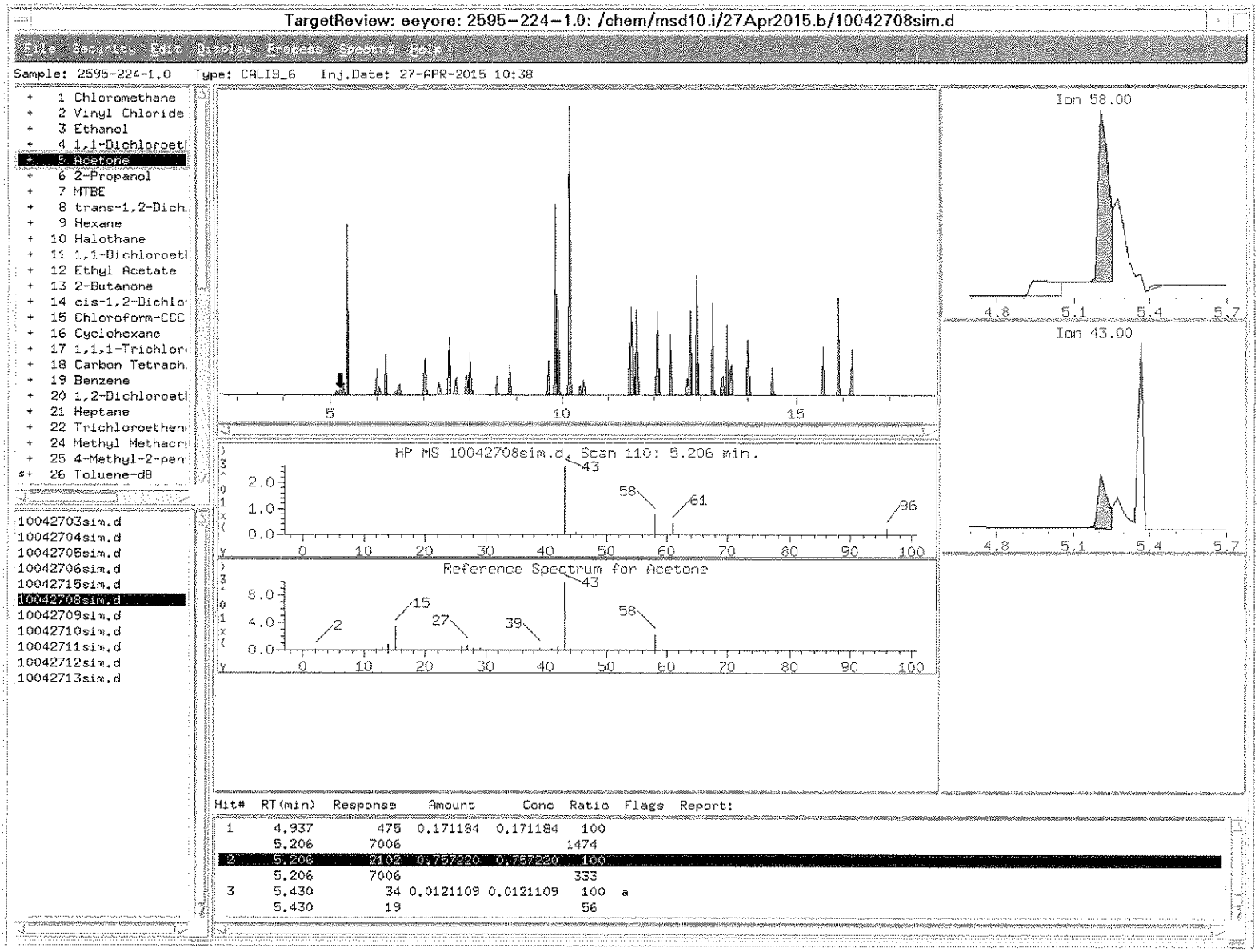


4/28/15
AC

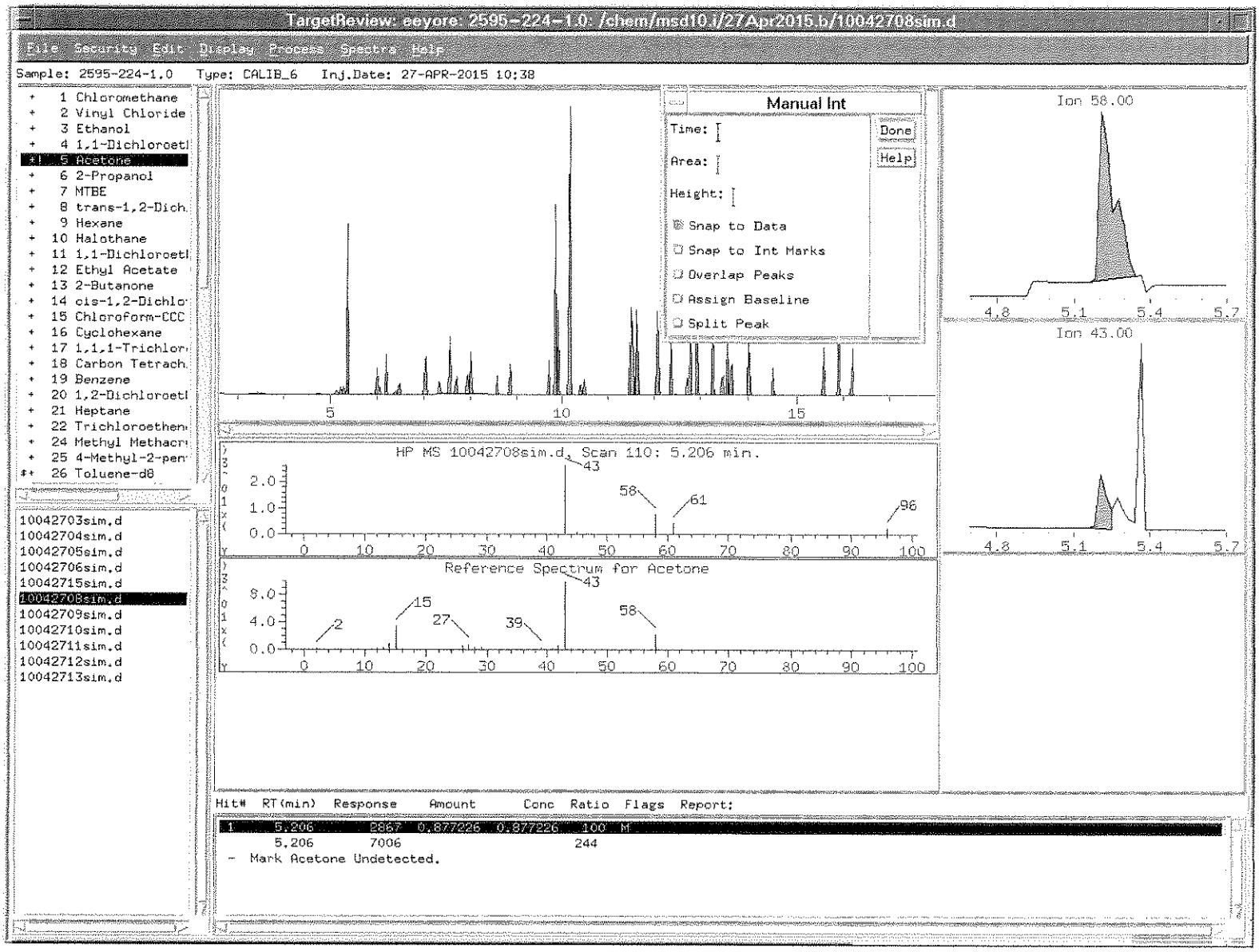
After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

4/28/15



Before
gw
4/28/15

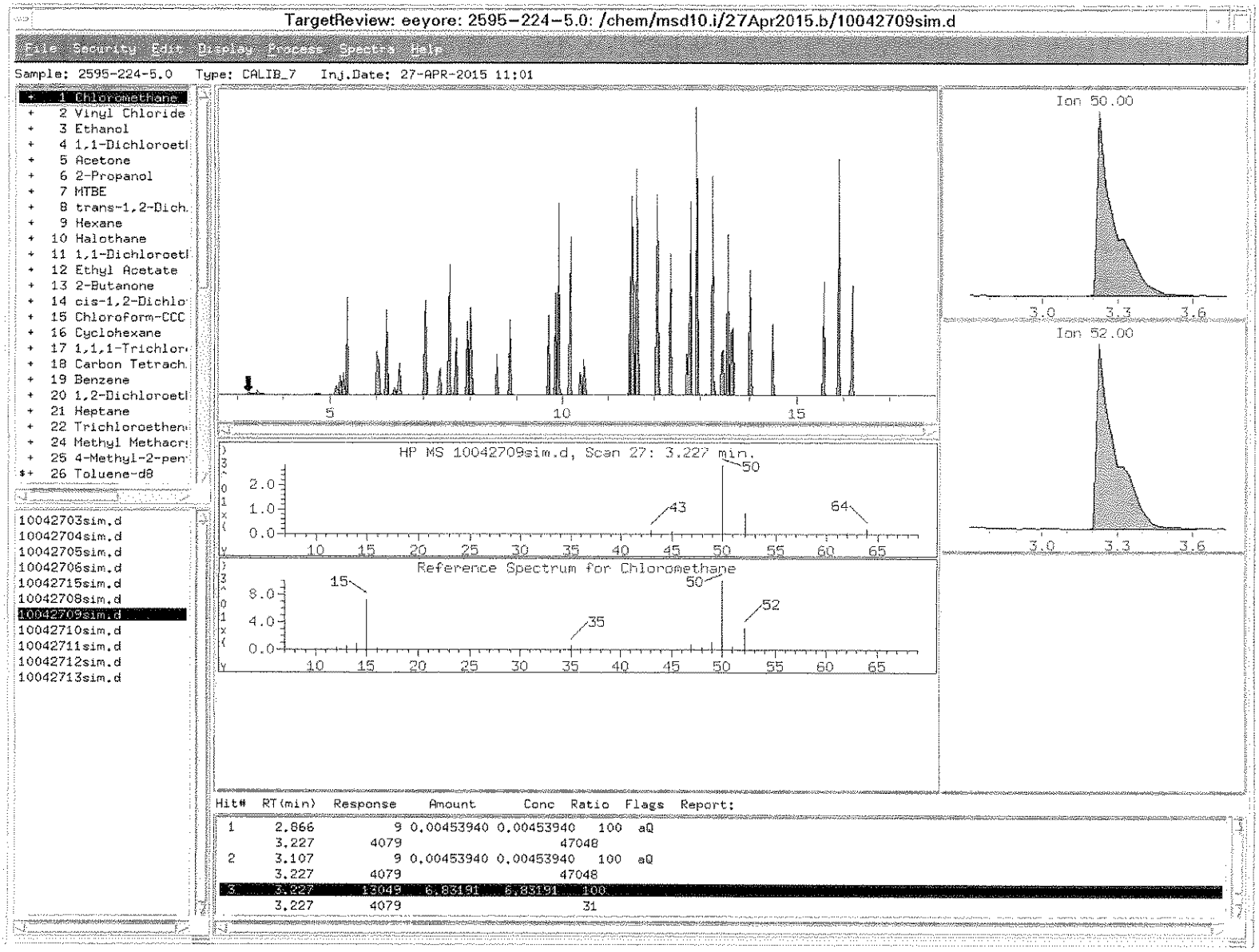


4/28/15 Acc

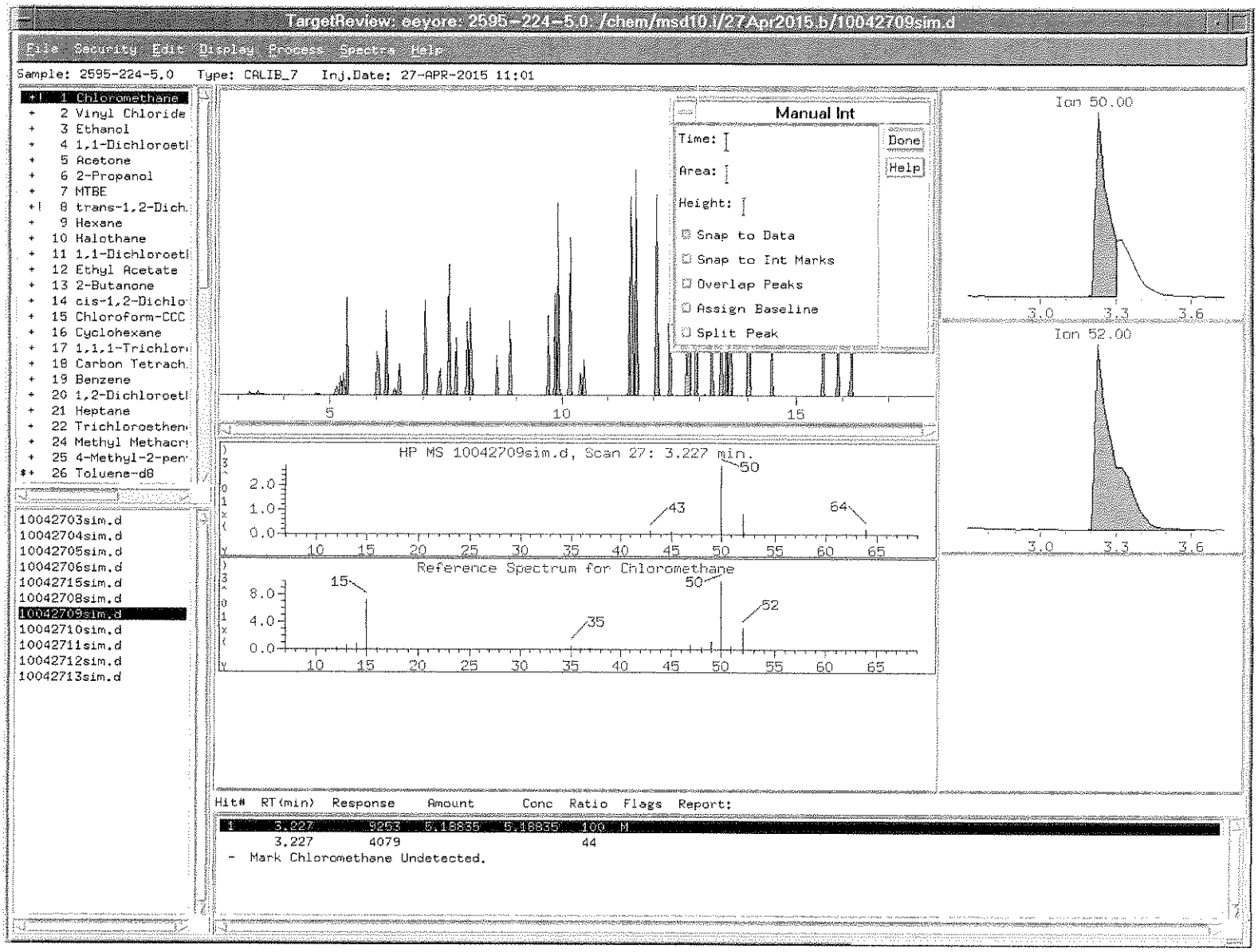
After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

4/28/15



Before
gnv
4/28/15



4/28/15
Aes

After

Correct Baseline	
Split Peak	✓
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

4/28/15

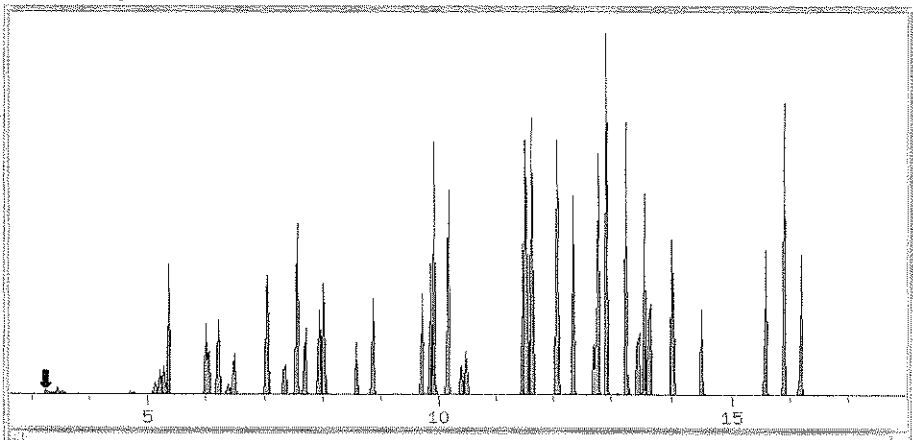
TargetReview: eeyore: 2595-231-5.0: /chem/msd10.i/27Apr2015.b/10042717sim.d

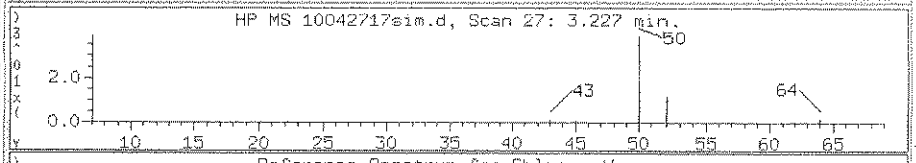
File Security Edit Display Process Spectra Help

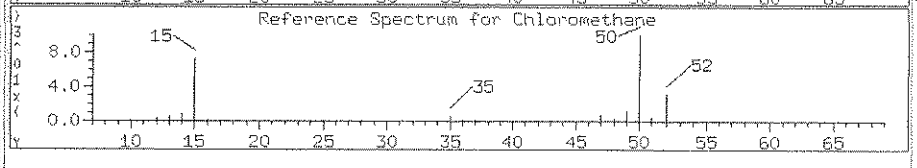
Sample: 2595-231-5.0 Type: LCS Inj.Date: 27-APR-2015 14:15

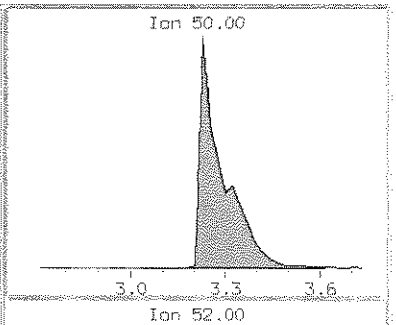
+	1	Chloromethane
+	2	Vinyl Chloride
+	3	Ethanol
+	4	1,1-Dichloroetl
+	5	Acetone
+	6	2-Propanol
+	7	MTBE
+	8	trans-1,2-Dich.
+	9	Hexane
+	10	Halothane
+	11	1,1-Dichloroetl
+	12	Ethyl Acetate
+	13	2-Butanone
+	14	cis-1,2-Dichlo
+	15	Chloroform-CCC
+	16	Cyclohexane
+	17	1,1,1-Trichlor
+	18	Carbon Tetrach.
+	19	Benzene
+	20	1,2-Dichloroetl
+	21	Heptane
+	22	Trichloroethen
+	24	Methyl Methacr
+	25	4-Methyl-2-pen
#+	26	Toluene-d8

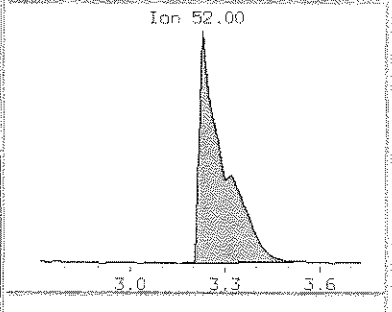
10042717sim.d





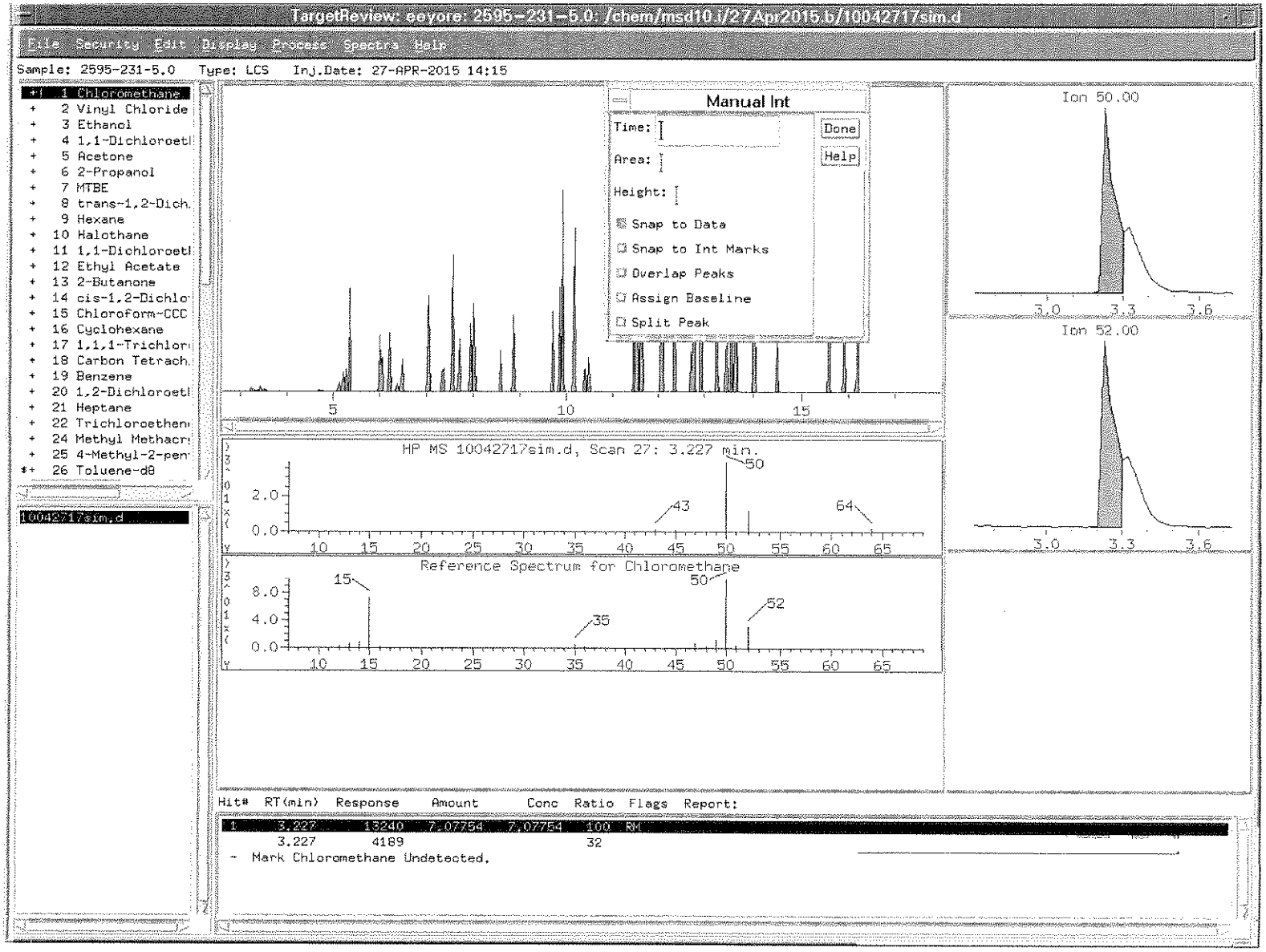






Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	2.866	27	0.0146756	0.0146756	100	aR	
	3.059	38			137		
2	3.011	12	0.00617922	0.00617922	100	aR	
	3.059	38			325		
3	3.227	19211	10.2691	10.2691	100	R	
	3.227	6037			31		

Before
gw
4/28/15



4/28/15

After

Correct Baseline	
Split Peak	✓
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

4/28/15

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042717sim.d
Lab Smp Id: 2595-231-5.0 Client Smp ID: ICV
Inj Date : 27-APR-2015 14:15
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-231-5.0;ICV
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 14:05 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 17 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug)
1	Chloromethane	50	3.227	3.227	(0.318)	13240	7.07754	7.07754(RM)
2	Vinyl Chloride	62	3.420	3.420	(0.337)	16329	4.90338	4.90338
3	Ethanol	45	4.696	4.696	(0.463)	10770	5.03673	5.03673
4	1,1-Dichloroethene-CCC	96	5.116	5.117	(0.504)	19917	4.65730	4.65730
5	Acetone	58	5.206	5.206	(0.513)	17931	5.16169	5.16169
6	2-Propanol	45	5.273	5.273	(0.519)	51083	5.12839	5.12839
7	MTBE	73	5.996	5.996	(0.591)	98631	4.23084	4.23084
8	trans-1,2-Dichloroethene	96	6.051	6.051	(0.596)	33830	5.03519	5.03519
9	Hexane	57	6.216	6.216	(0.612)	83022	3.85671	3.85670
10	Halothane	117	6.377	6.377	(0.628)	21079	4.89935	4.89935
11	1,1-Dichloroethane-SPCC	63	6.474	6.474	(0.638)	66568	4.56154	4.56154
12	Ethyl Acetate	70	7.013	7.013	(0.691)	10360	4.45219	4.45219
13	2-Butanone	72	7.036	7.036	(0.693)	23769	4.59133	4.59133
14	cis-1,2-Dichloroethene	96	7.058	7.058	(0.695)	36512	4.53396	4.53396
15	Chloroform-CCC	83	7.321	7.352	(0.721)	56800	4.28523	4.28523
16	Cyclohexane	84	7.537	7.537	(0.742)	81823	4.45803	4.45803

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug)
	17 1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	68509	4.26671	4.26671
	18 Carbon Tetrachloride	117	7.691	7.691	(0.758)	64908	4.52933	4.52933
	19 Benzene	78	7.938	7.938	(0.782)	166085	4.52560	4.52560
	20 1,2-Dichloroethane	62	7.999	7.999	(0.788)	68750	4.38349	4.38349
	21 Heptane	71	8.030	8.030	(0.791)	46059	4.22281	4.22281
	22 Trichloroethene	130	8.562	8.562	(0.843)	49763	4.31285	4.31285
	24 Methyl Methacrylate	69	8.851	8.851	(0.872)	55131	4.58600	4.58600
	25 4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	23969	4.69387	4.69387
$	26 Toluene-d8	98	9.839	9.839	(0.969)	200678	4.89881	4.89881
	28 Toluene-CCC	92	9.912	9.912	(0.976)	153165	4.41205	4.41205
*	29 2-Fluorotoluene	109	10.153	10.153	(1.000)	226705	5.00000	
	30 1,1,2-Trichloroethane	97	10.369	10.370	(1.021)	50232	4.42228	4.42228
	31 Tetrachloroethene	164	10.466	10.466	(1.031)	47862	4.34797	4.34797
	32 Chlorobenzene	112	11.459	11.459	(1.129)	193445	4.43842	4.43842
	33 Ethylbenzene-CCC	106	11.510	11.510	(1.134)	104493	4.38691	4.38691
	209 1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	65548	4.40712	4.40712
	34 m,p-Xylene	106	11.613	11.613	(1.144)	220410	8.84556	8.84556
	36 o-Xylene	106	12.061	12.062	(1.188)	104779	4.29526	4.29526
	37 Styrene	104	12.061	12.062	(1.188)	186687	4.58696	4.58696
	38 a-Pinene	93	12.336	12.336	(1.215)	170811	5.07613	5.07613
	39 1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	77918	4.35216	4.35216
	40 Propylbenzene	91	12.748	12.748	(1.256)	273575	4.26663	4.26662
	210 1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	32119	4.38718	4.38718
	41 1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	375685	4.76306	4.76306
	42 1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	306651	4.65958	4.65958
	43 R-(+)-Limonene	68	13.470	13.470	(1.327)	86990	4.53449	4.53449
	44 1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	191659	4.54649	4.54649
	45 1,4-Dichlorobenzene	146	13.662	13.638	(1.346)	142248	4.40788	4.40788
	46 1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	162751	4.43048	4.43048
	47 1,4-Dithiane	120	14.482	14.482	(1.426)	101394	4.44807	4.44807
	48 1,2,4-Trichlorobenzene	180	15.591	15.592	(1.536)	128964	4.31674	4.31674
	49 Naphthalene	128	15.905	15.905	(1.567)	466958	4.49882	4.49882
	50 1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	128751	4.41412	4.41412

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042717sim.d
Lab Smp Id: 2595-231-5.0
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: ICV
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	226705	4.90

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 27Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 2595-231-5.0 Client Smp ID: ICV
Level: MED Operator: gm
Data Type: MS DATA SampleType: LCS
SpikeList File: ICV.spk Quant Type: ISTD
Sublist File: all.sub
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

	SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
1	Chloromethane	5.00000	7.07754	141.55*	70-130
2	Vinyl Chloride	5.00000	4.90338	98.07	50-140
3	Ethanol	5.00000	5.03673	100.73	70-130
4	1,1-Dichloroethene	5.00000	4.65730	93.15	70-130
5	Acetone	5.00000	5.16169	103.23	70-130
6	2-Propanol	5.00000	5.12839	102.57	50-130
7	MTBE	5.00000	4.23084	84.62	70-130
8	trans-1,2-Dichloro	5.00000	5.03519	100.70	70-130
9	Hexane	5.00000	3.85670	77.13	70-130
10	Halothane	5.00000	4.89935	97.99	70-130
11	1,1-Dichloroethane	5.00000	4.56154	91.23	80-120
12	Ethyl Acetate	5.00000	4.45219	89.04	70-130
13	2-Butanone	5.00000	4.59133	91.83	70-130
14	cis-1,2-Dichloroet	5.00000	4.53396	90.68	80-120
15	Chloroform-CCC	5.00000	4.28523	85.70	80-120
16	Cyclohexane	5.00000	4.45803	89.16	70-130
17	1,1,1-Trichloroeth	5.00000	4.26671	85.33	80-120
18	Carbon Tetrachlori	5.00000	4.52933	90.59	80-120
19	Benzene	5.00000	4.52560	90.51	70-130
20	1,2-Dichloroethane	5.00000	4.38349	87.67	80-120
21	Heptane	5.00000	4.22281	84.46	80-120
22	Trichloroethene	5.00000	4.31285	86.26	80-120
24	Methyl Methacrylat	5.00000	4.58600	91.72	70-130
25	4-Methyl-2-pentano	5.00000	4.69387	93.88	70-130
28	Toluene-CCC	5.00000	4.41205	88.24	80-120
30	1,1,2-Trichloroeth	5.00000	4.42228	88.45	80-120
31	Tetrachloroethene	5.00000	4.34797	86.96	80-120
32	Chlorobenzene	5.00000	4.43842	88.77	80-120
33	Ethylbenzene-CCC	5.00000	4.38691	87.74	80-120
209	1,1,1,2-Tetrachlor	5.00000	4.40712	88.14	80-120
34	m,p-Xylene	10.0000	8.84556	88.46	80-120
36	o-Xylene	5.00000	4.29526	85.91	70-130
37	Styrene	5.00000	4.58696	91.74	70-130

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
38 a-Pinene	5.00000	5.07613	101.52	70-130
39 1,1,2,2-Tetrachlor	5.00000	4.35216	87.04	70-130
40 Propylbenzene	5.00000	4.26662	85.33	80-120
210 1,2,3-Trichloropro	5.00000	4.38718	87.74	80-120
41 1,3,5-Trimethylben	5.00000	4.76306	95.26	80-120
42 1,2,4-Trimethylben	5.00000	4.65958	93.19	80-120
43 R-(+)-Limonene	5.00000	4.53449	90.69	70-130
44 1,3-Dichlorobenzen	5.00000	4.54649	90.93	70-130
45 1,4-Dichlorobenzen	5.00000	4.40788	88.16	70-130
46 1,2-Dichlorobenzen	5.00000	4.43048	88.61	70-130
47 1,4-Dithiane	5.00000	4.44807	88.96	70-130
48 1,2,4-Trichloroben	5.00000	4.31674	86.33	70-130
49 Naphthalene	5.00000	4.49882	89.98	70-130
50 1,2,3-Trichloroben	5.00000	4.41412	88.28	70-130

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 26 Toluene-d8	5.00000	4.89881	97.98	70-130

Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

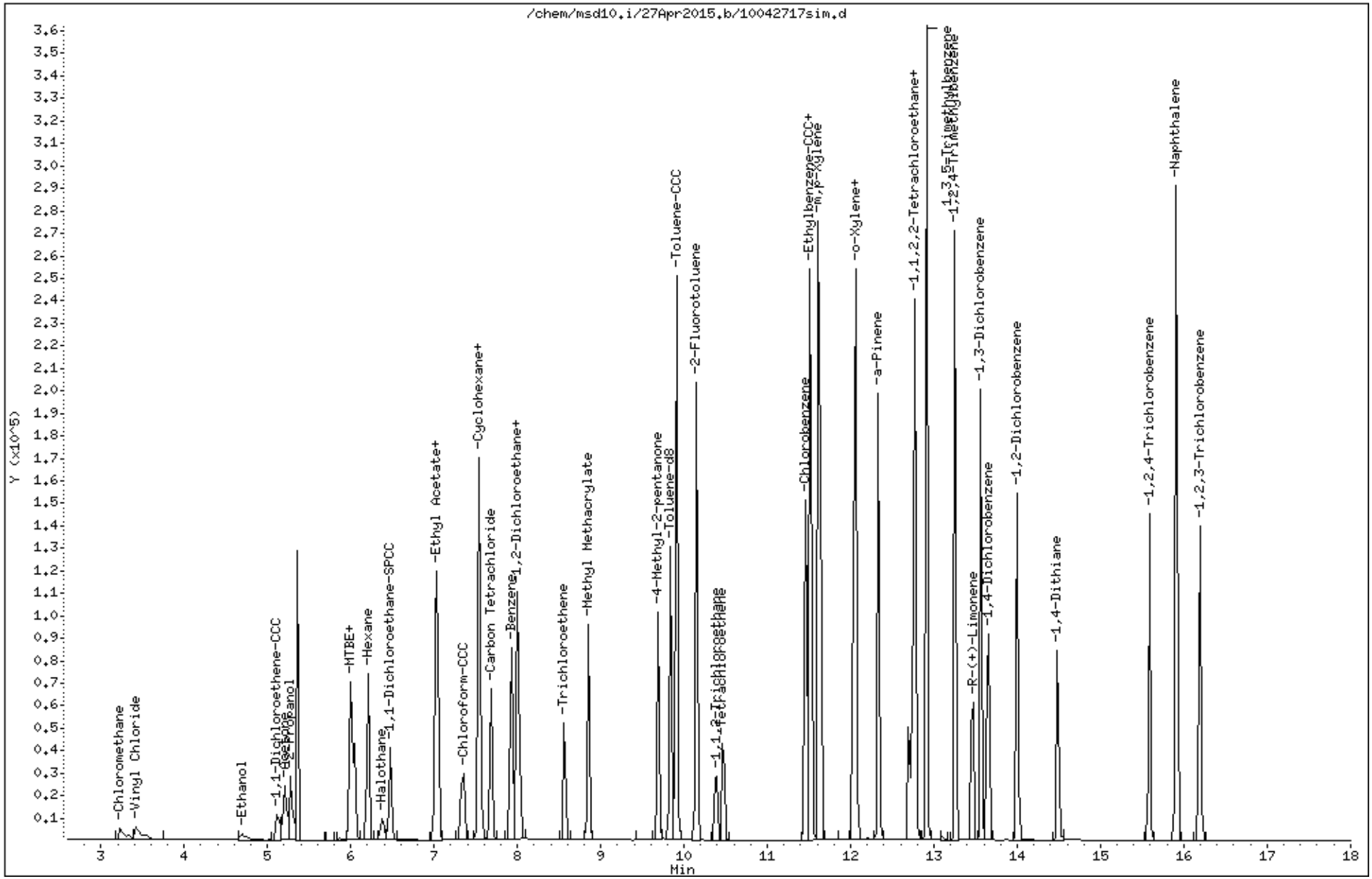
Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

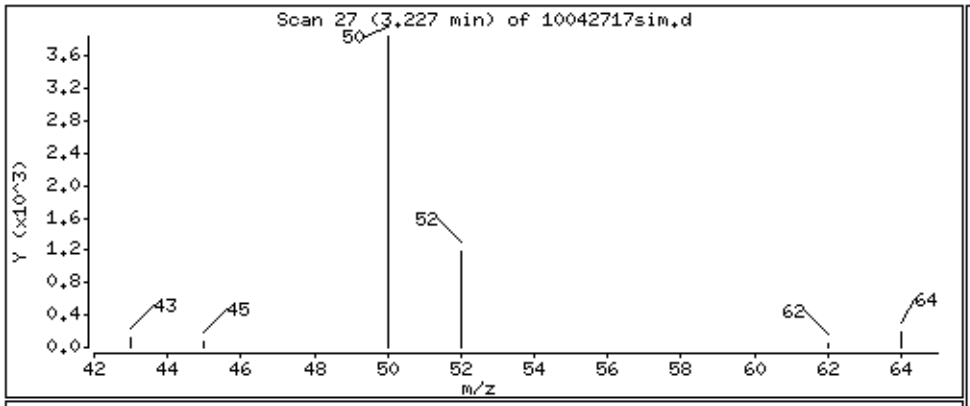
Operator: gm

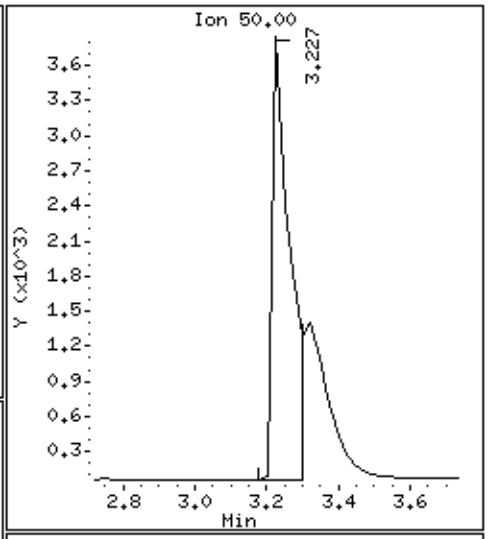
Column phase: DB-5.625

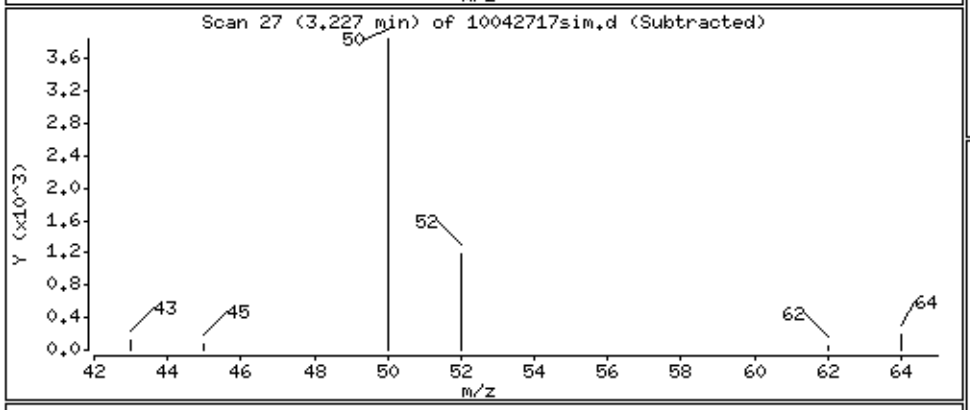
Column diameter: 0.25

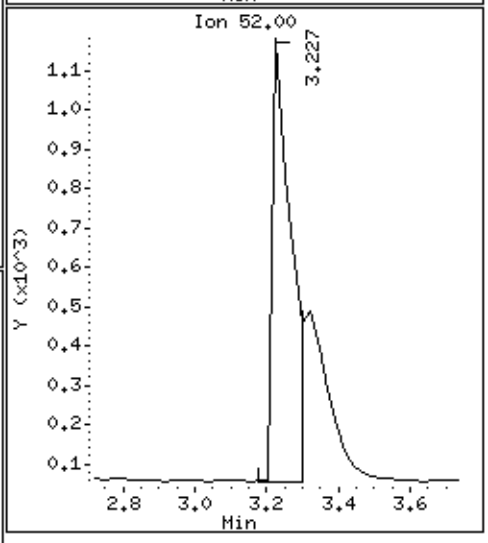
1 Chloromethane

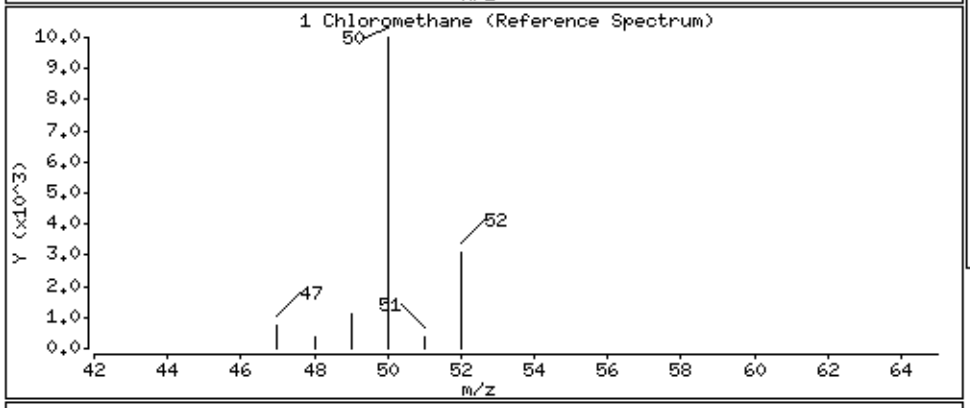
Concentration: 7.07754 ug

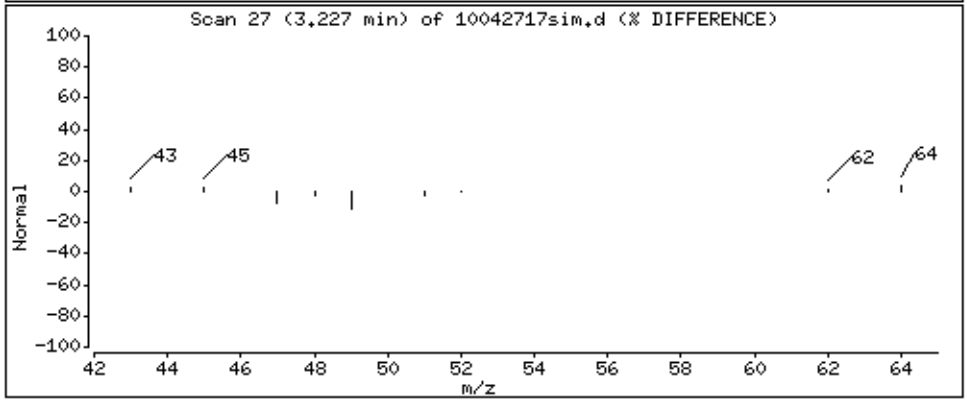












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

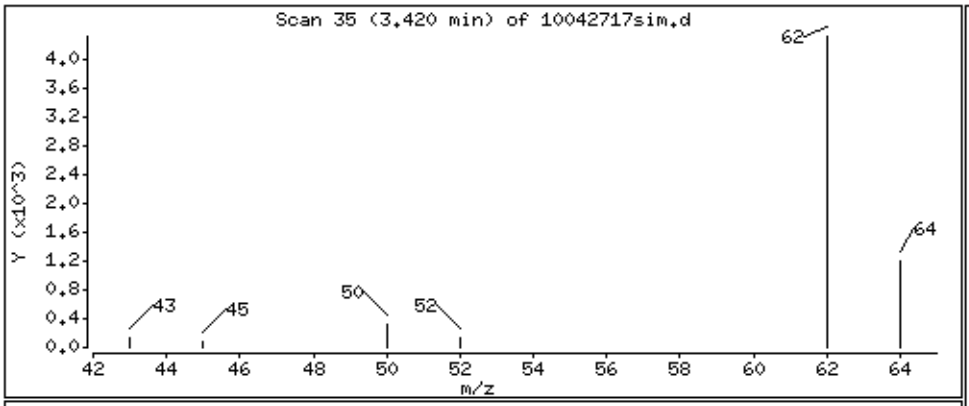
Operator: gm

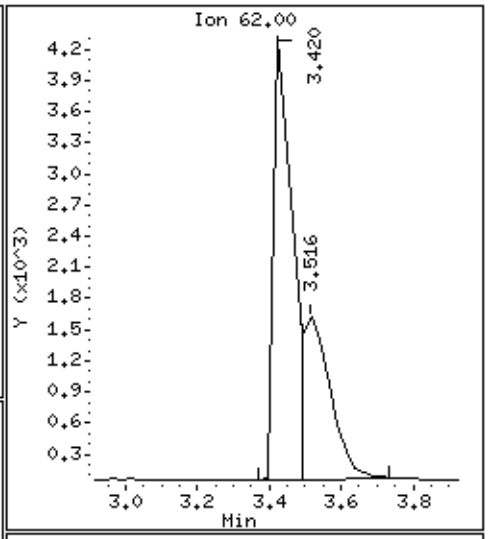
Column phase: DB-5.625

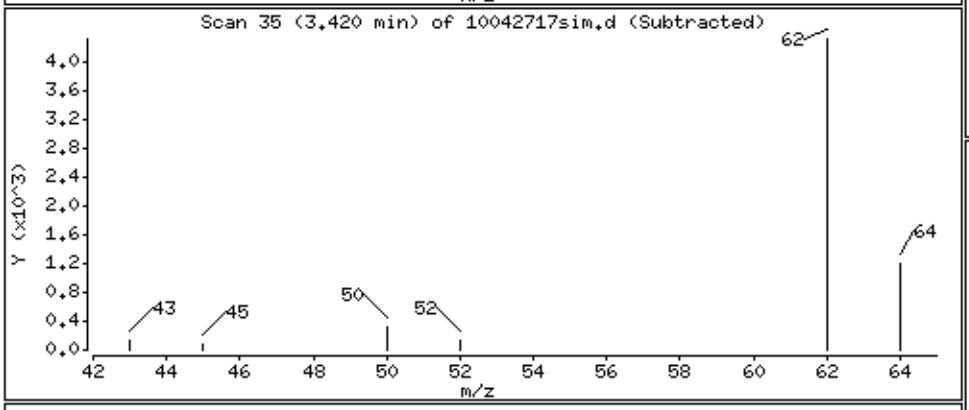
Column diameter: 0.25

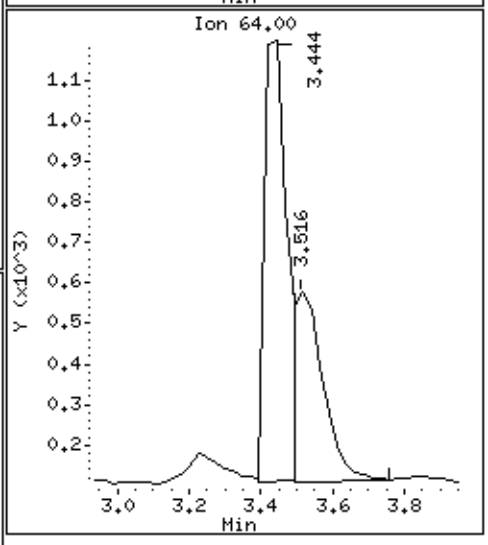
2 Vinyl Chloride

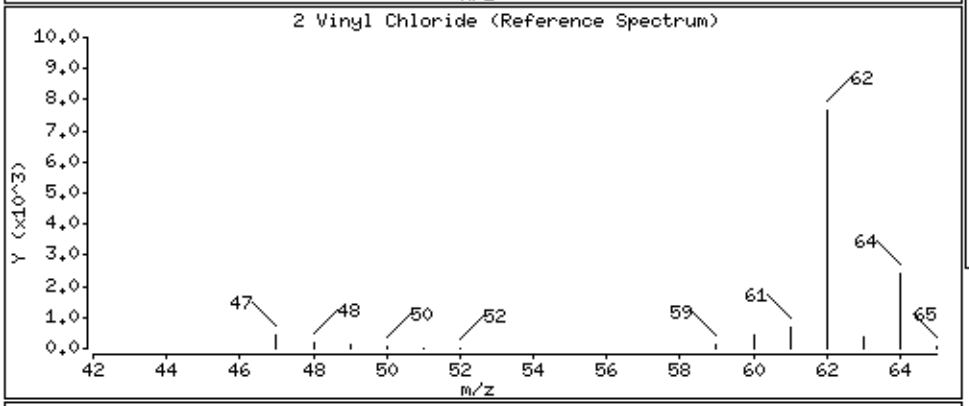
Concentration: 4.90338 ug

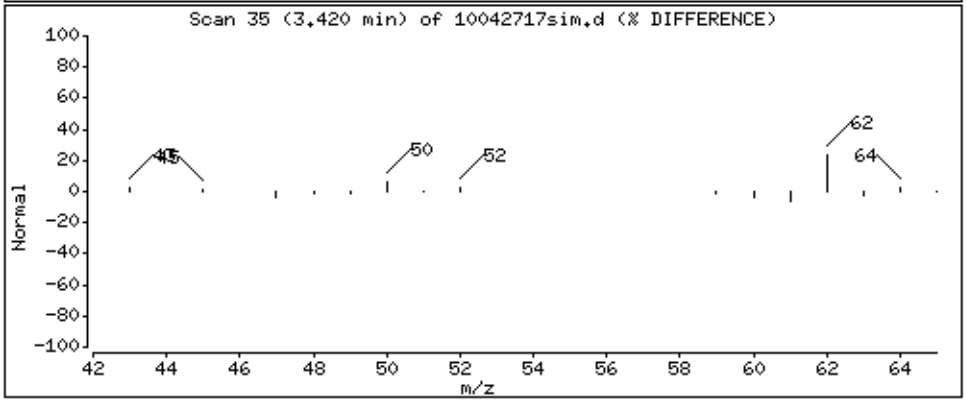












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

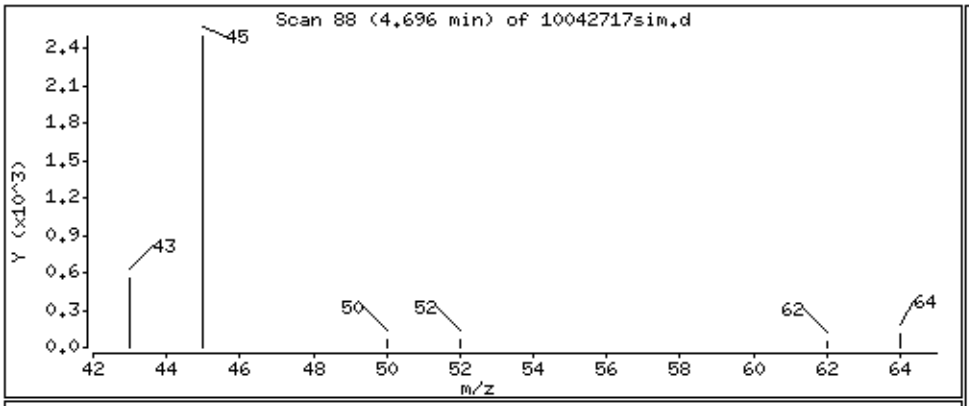
Operator: gm

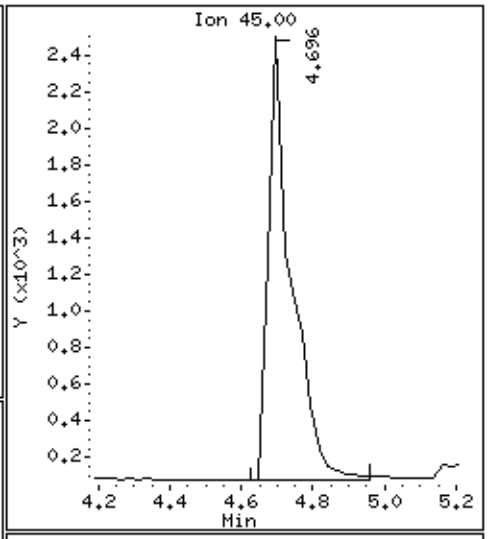
Column phase: DB-5.625

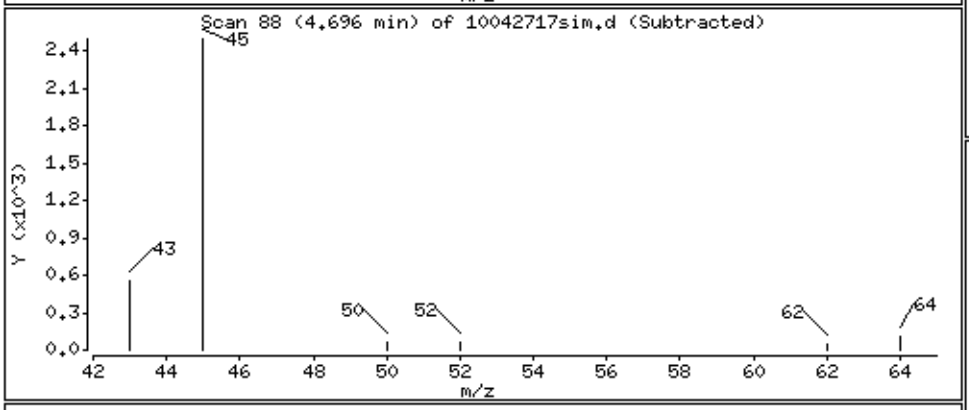
Column diameter: 0.25

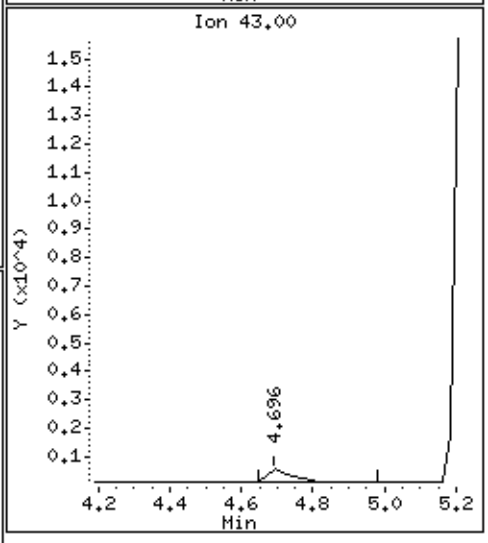
3 Ethanol

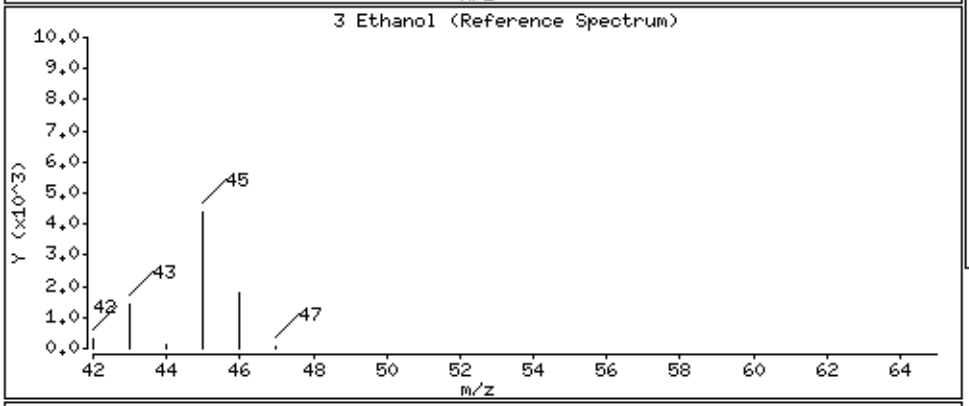
Concentration: 5.03673 ug

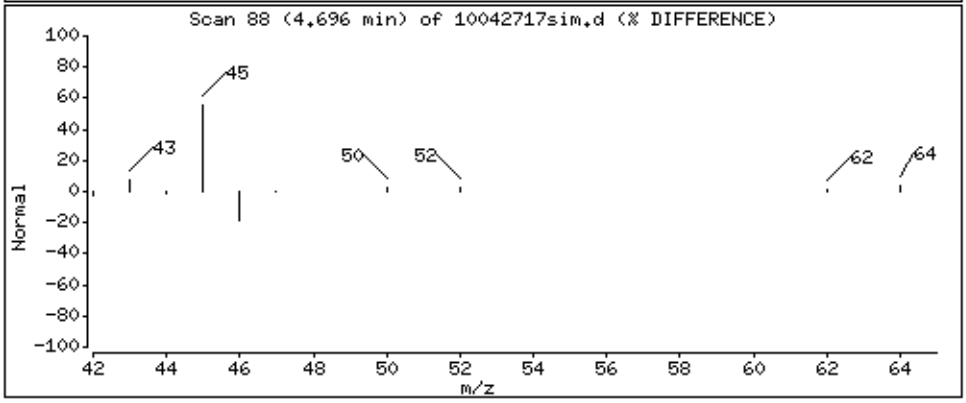












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

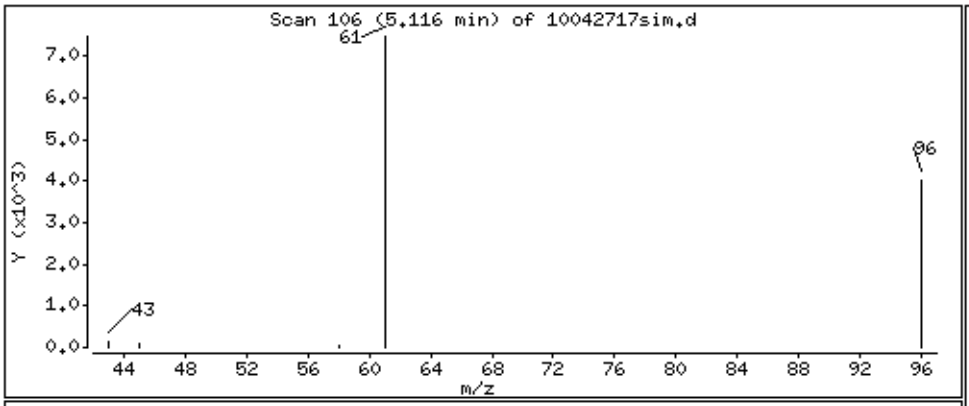
Operator: gm

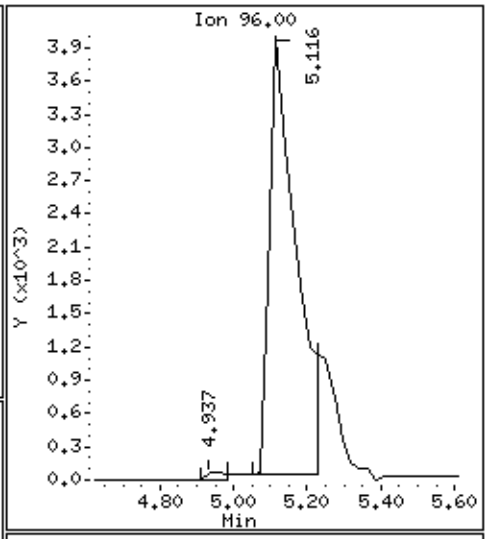
Column phase: DB-5.625

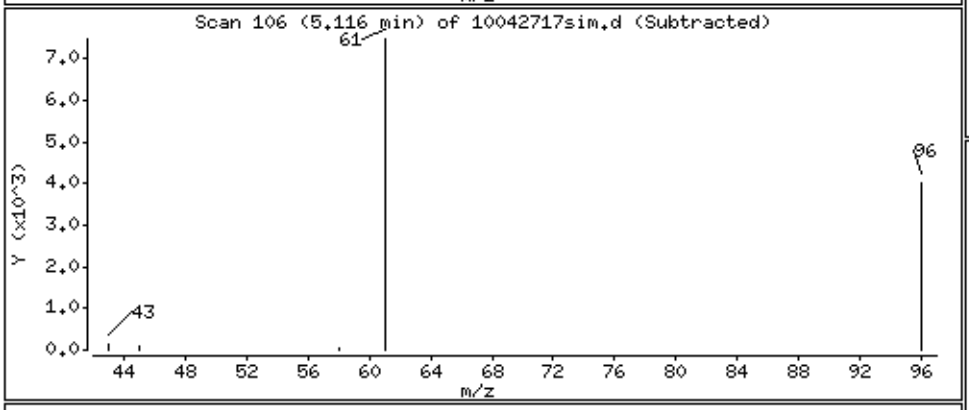
Column diameter: 0.25

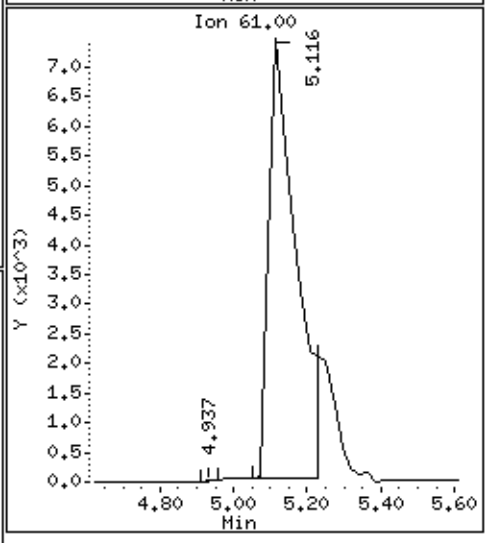
4 1,1-Dichloroethene-CCC

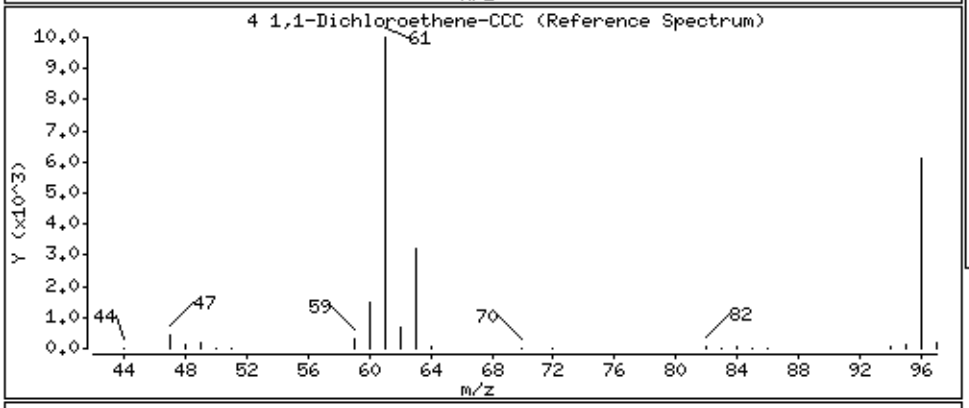
Concentration: 4.65730 ug

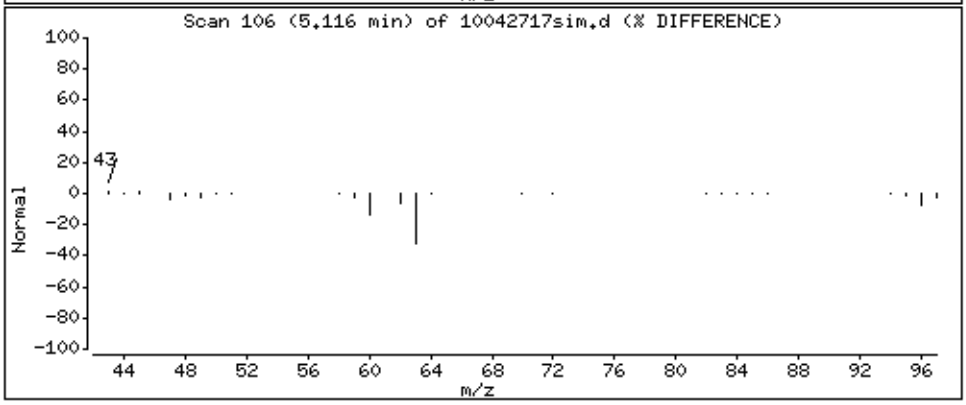












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

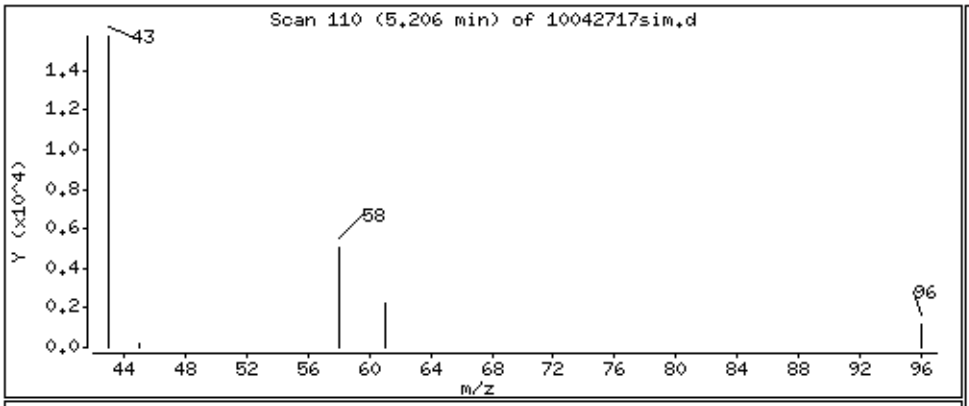
Operator: gm

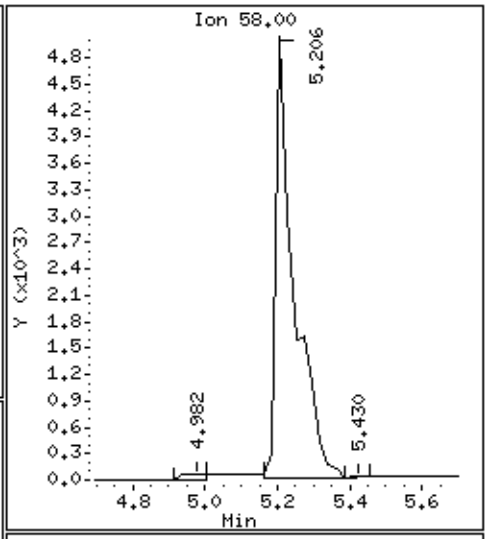
Column phase: DB-5.625

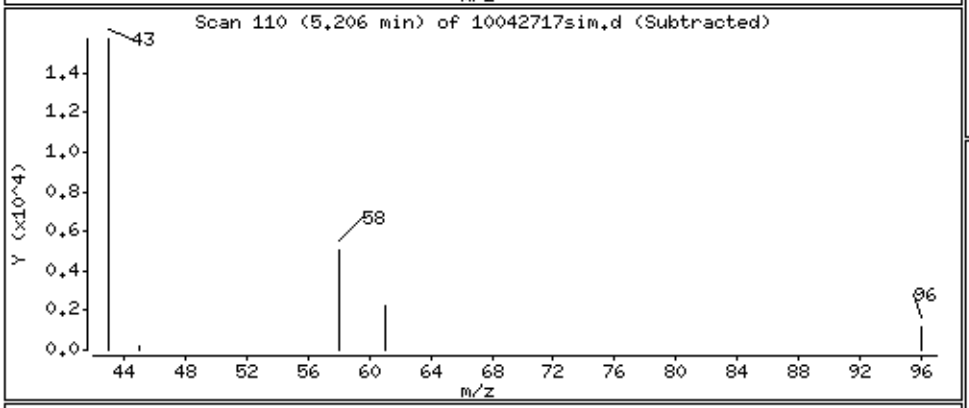
Column diameter: 0.25

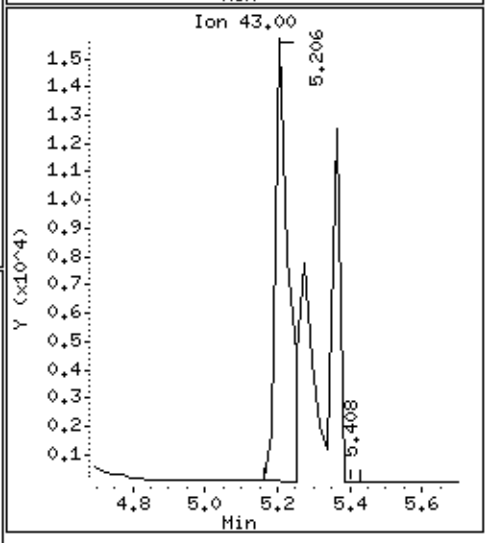
5 Acetone

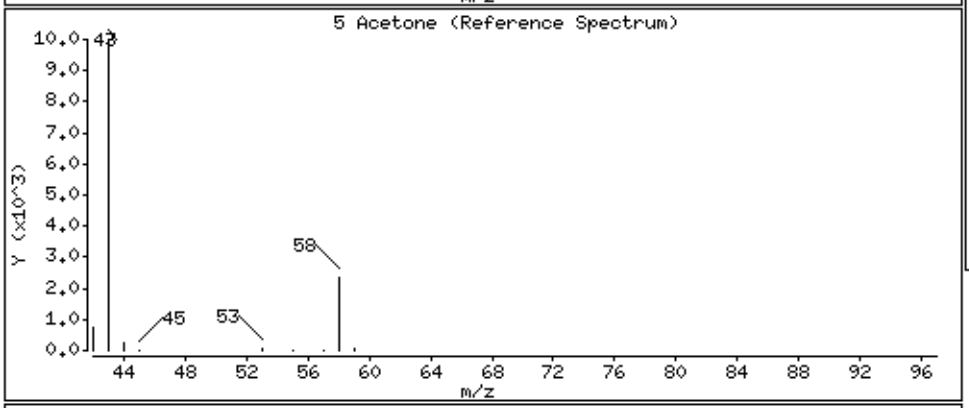
Concentration: 5.16169 ug

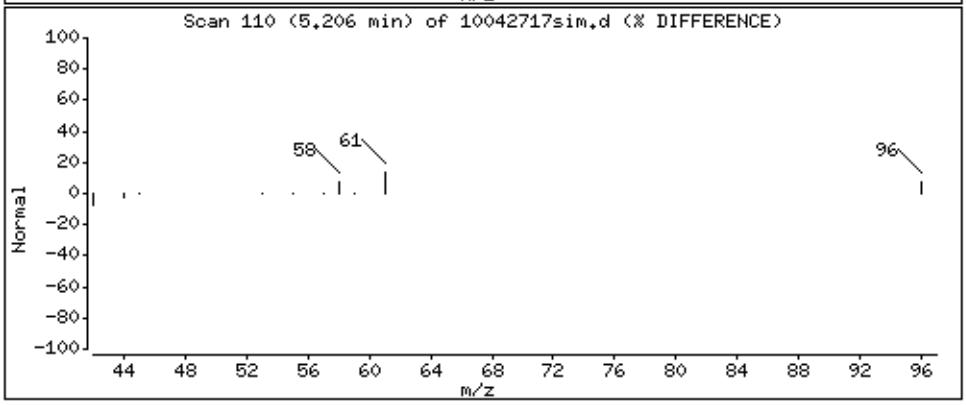












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

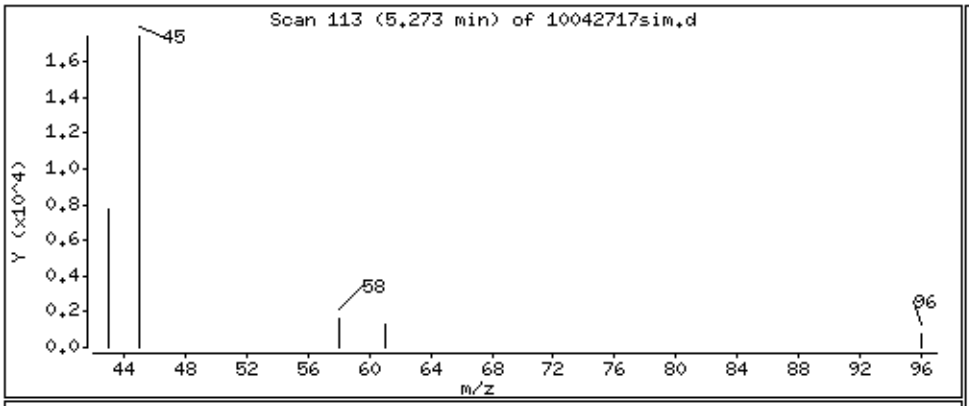
Operator: gm

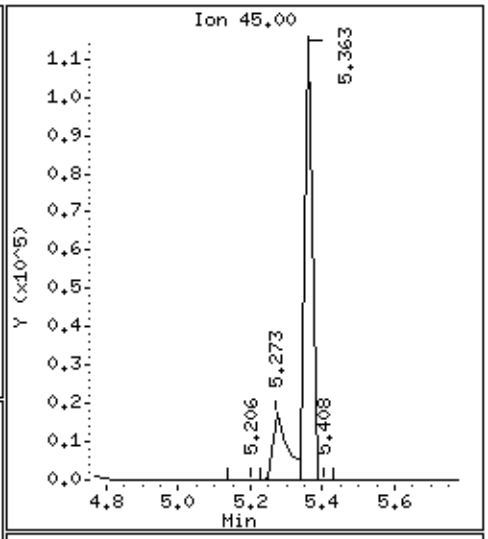
Column phase: DB-5.625

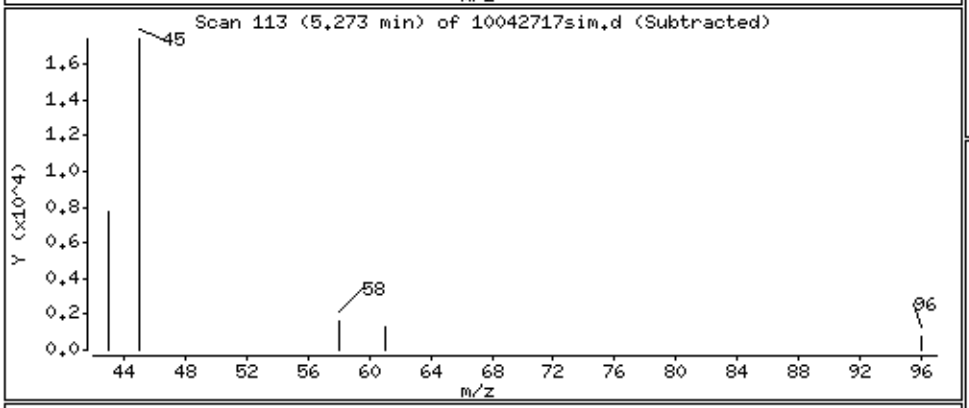
Column diameter: 0.25

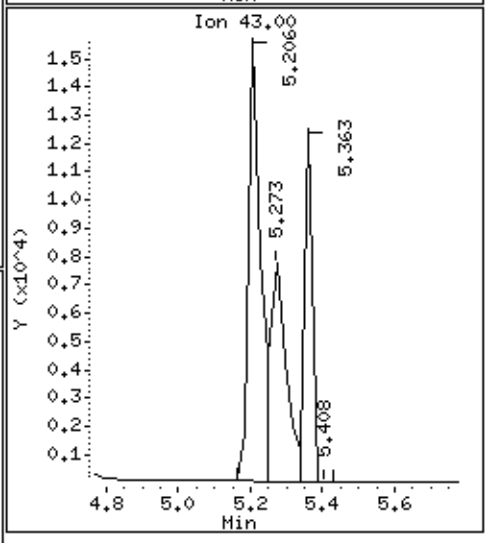
6 2-Propanol

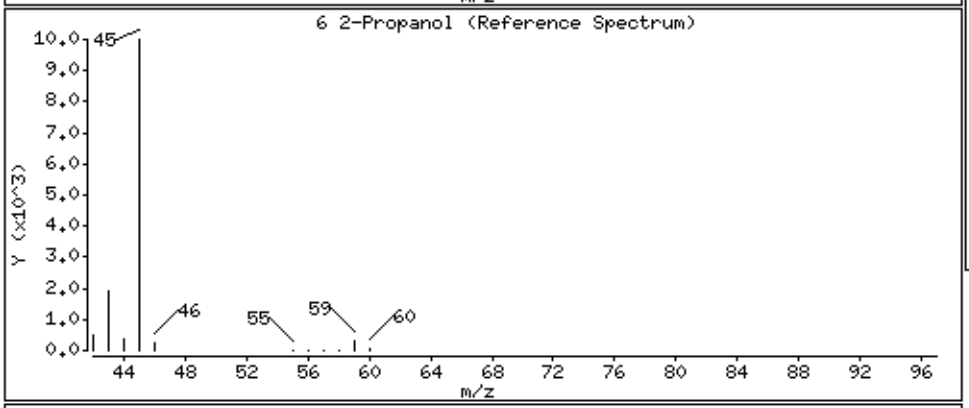
Concentration: 5.12839 ug

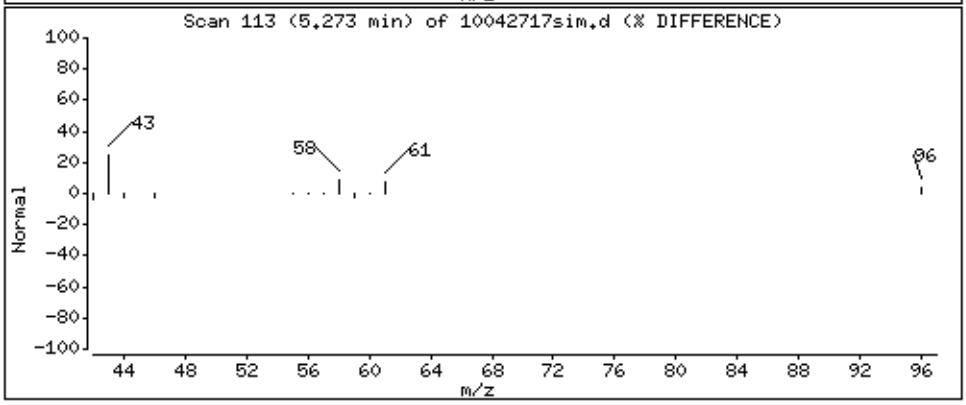












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

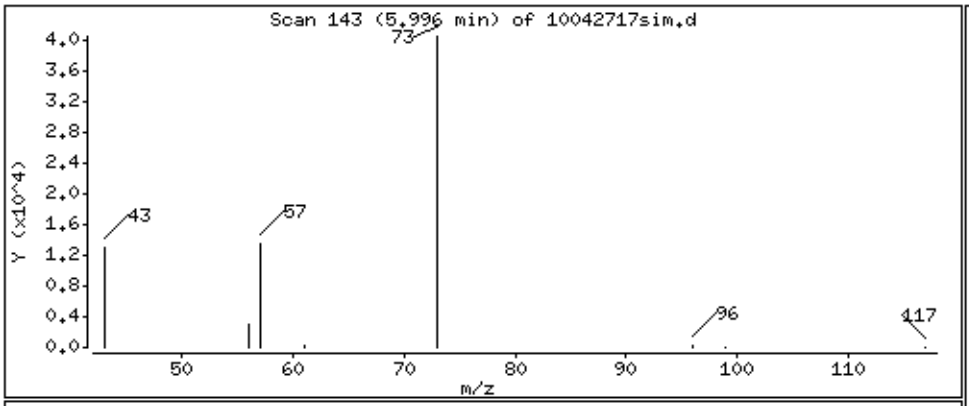
Operator: gm

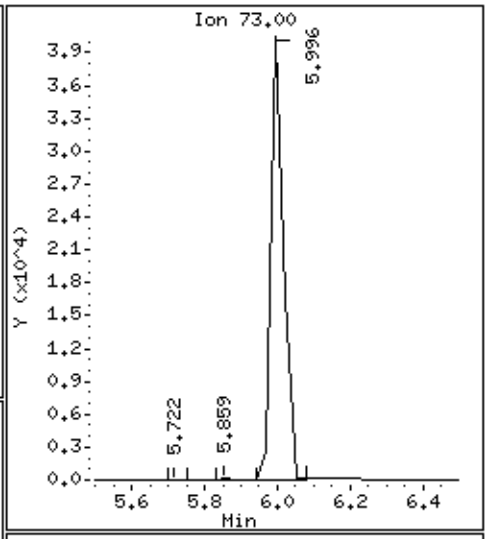
Column phase: DB-5.625

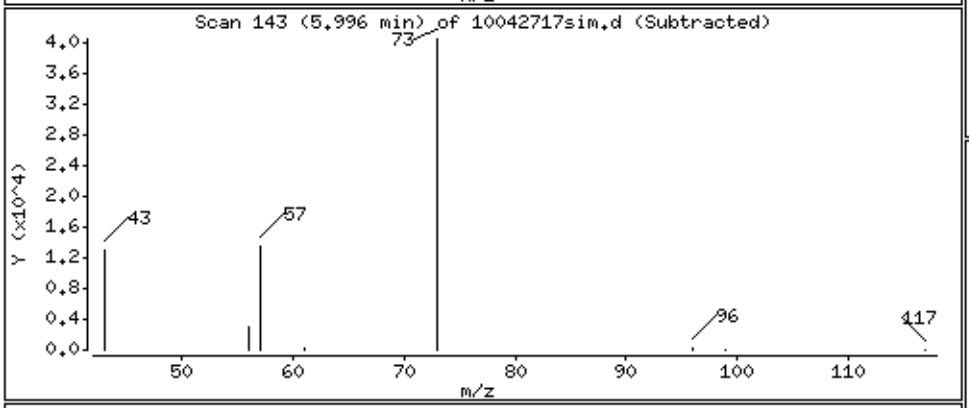
Column diameter: 0.25

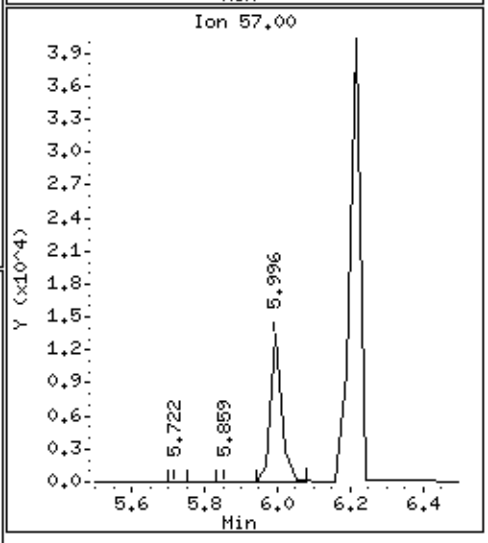
7 MTBE

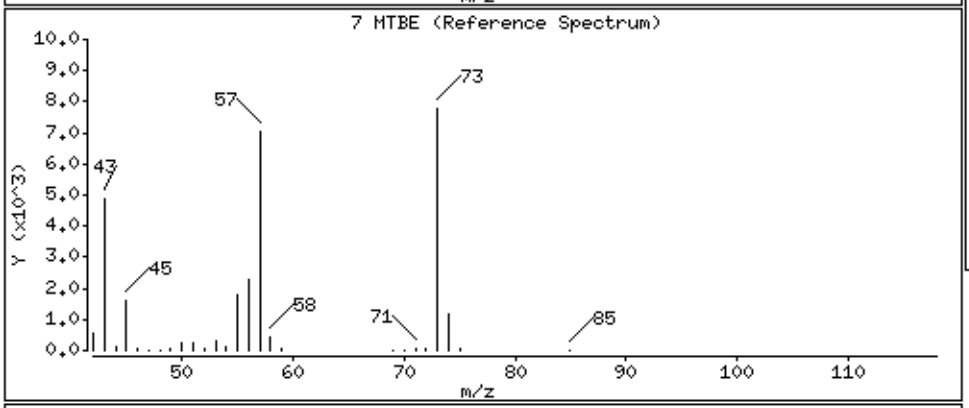
Concentration: 4.23084 ug

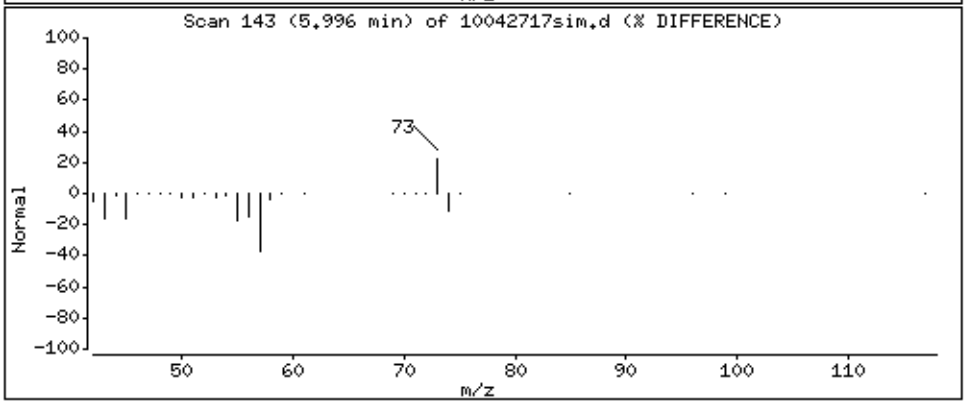












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

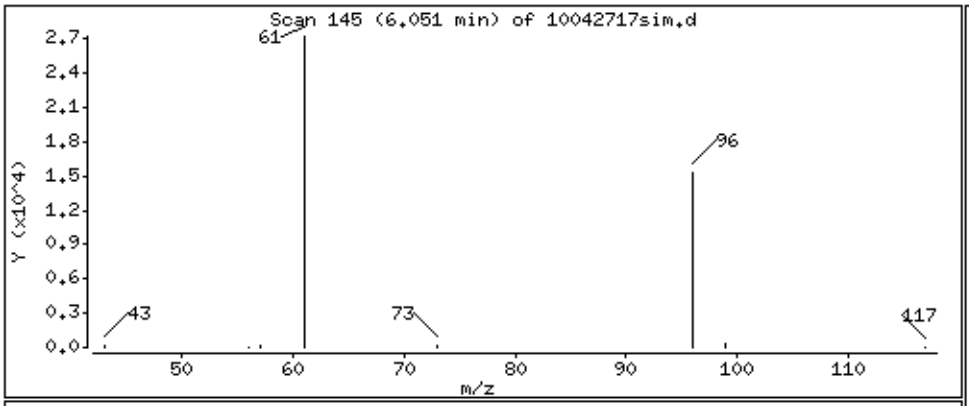
Operator: gm

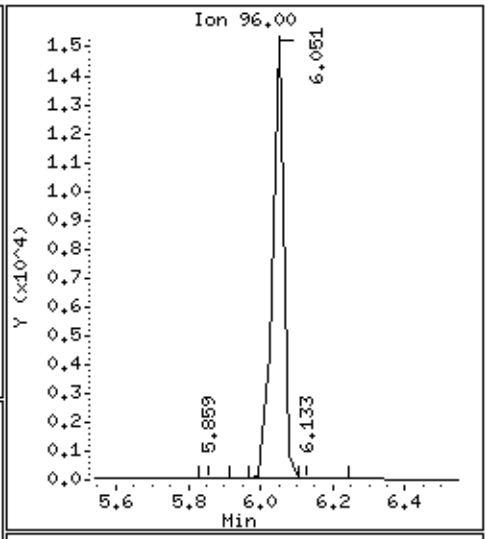
Column phase: DB-5.625

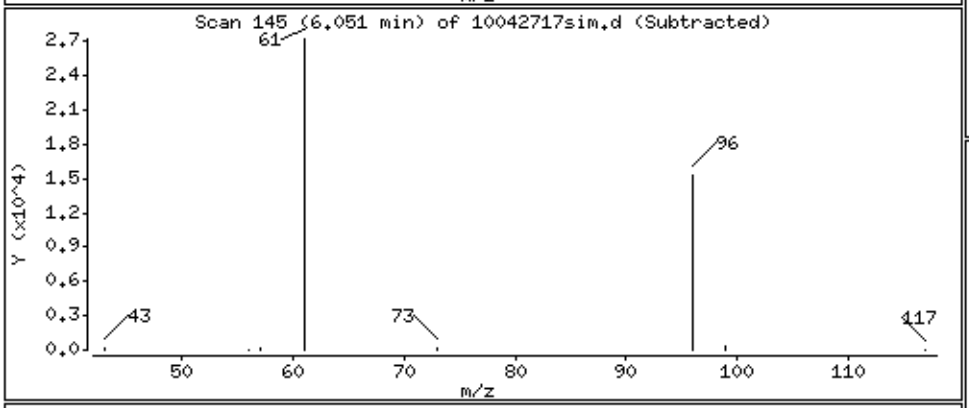
Column diameter: 0.25

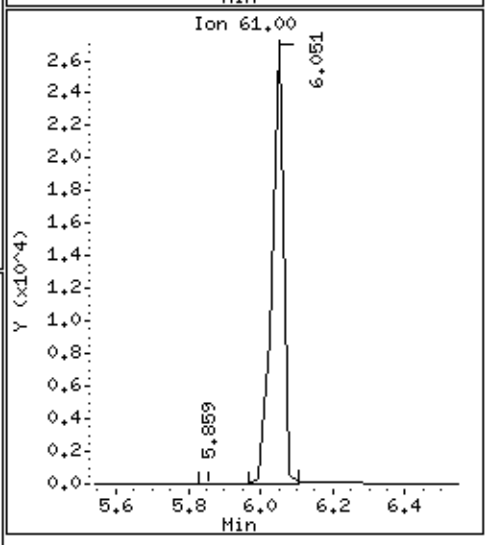
8 trans-1,2-Dichloroethene

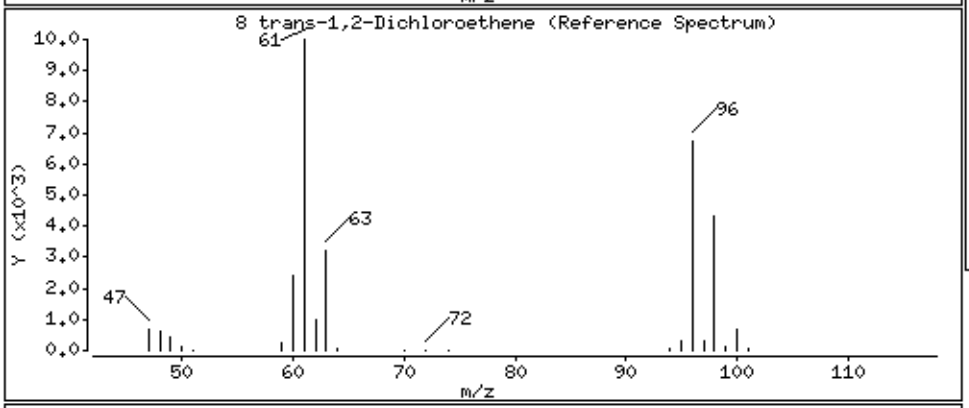
Concentration: 5.03519 ug

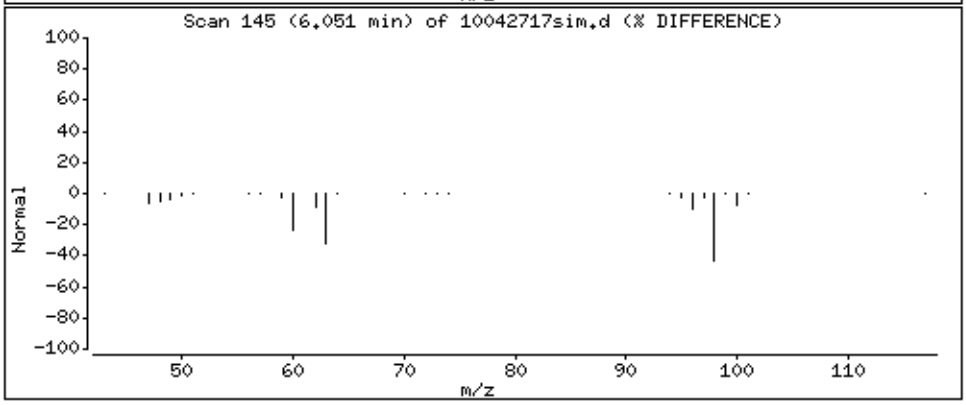












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

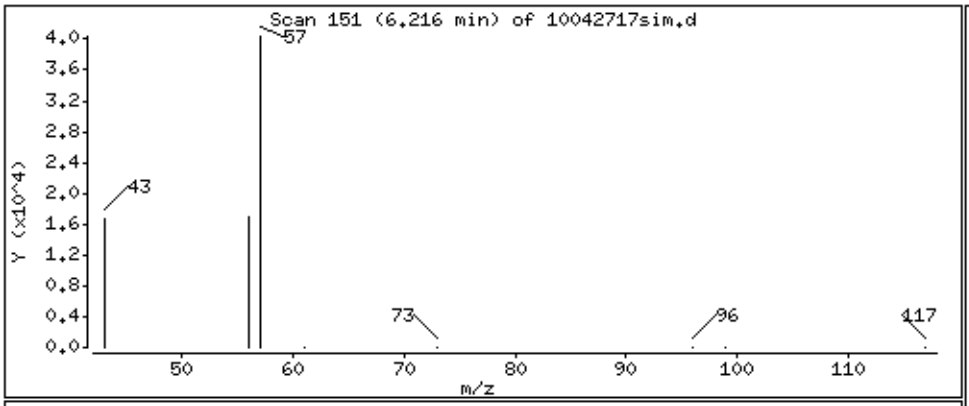
Operator: gm

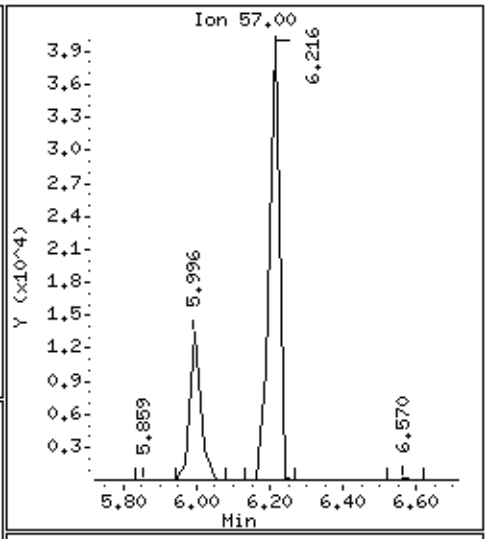
Column phase: DB-5.625

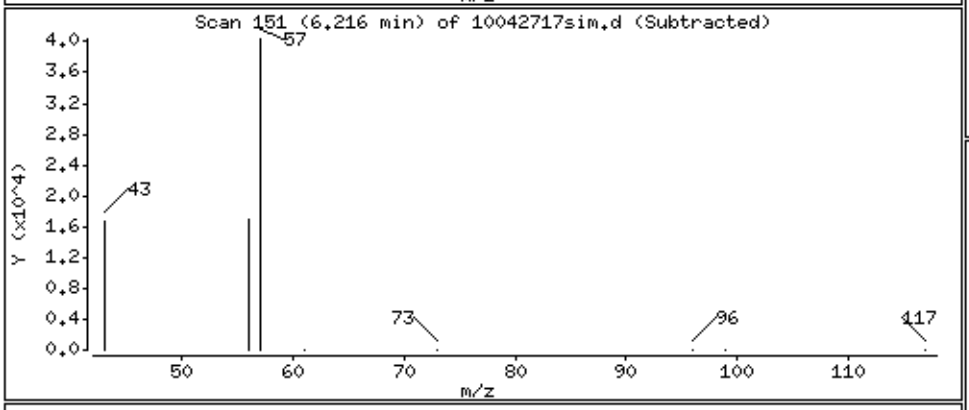
Column diameter: 0.25

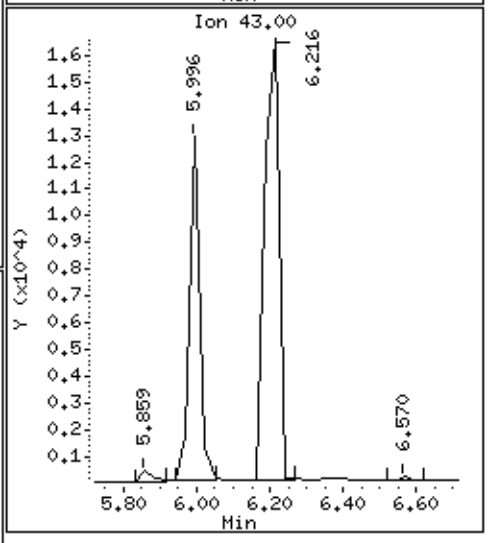
9 Hexane

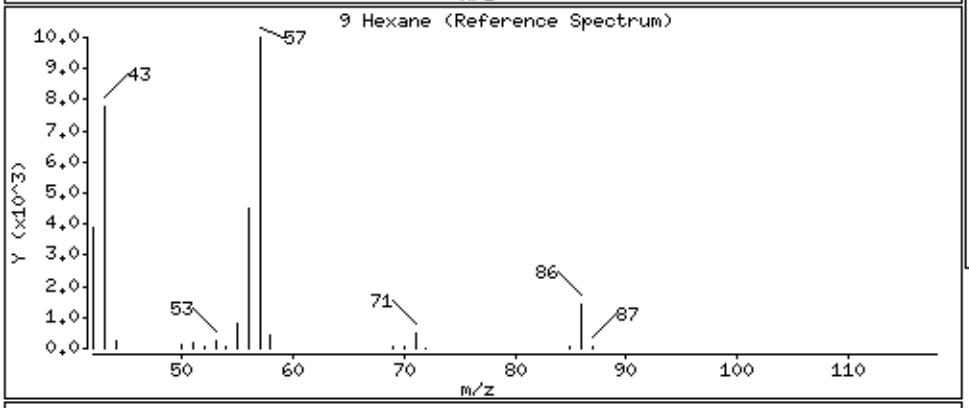
Concentration: 3.85670 ug

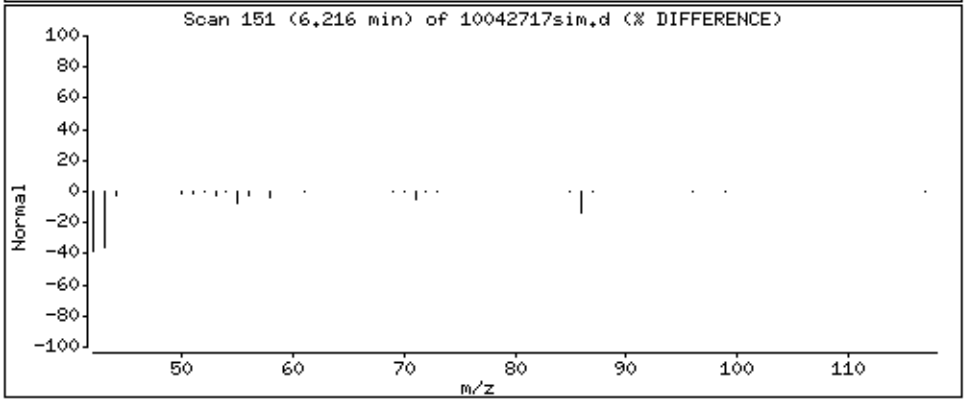












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

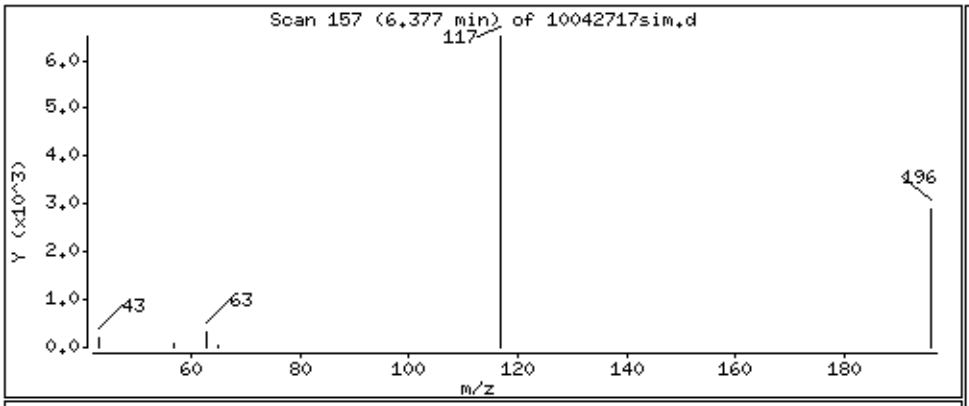
Operator: gm

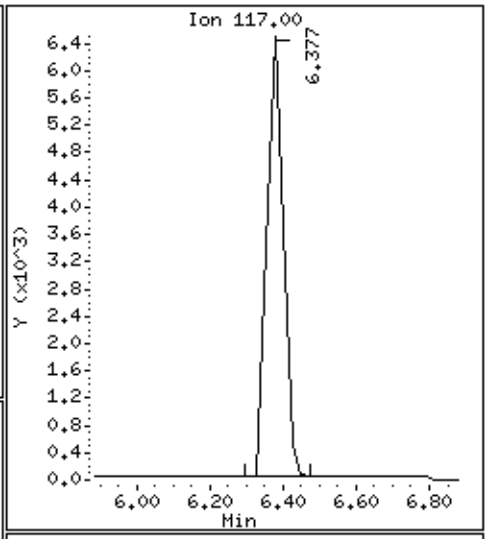
Column phase: DB-5.625

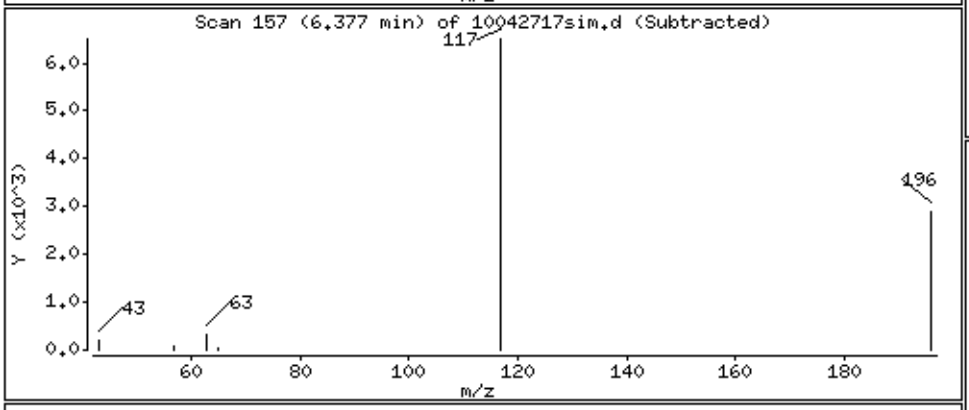
Column diameter: 0.25

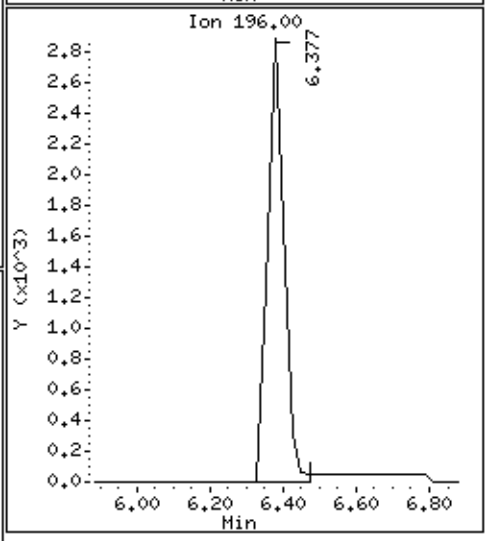
10 Halothane

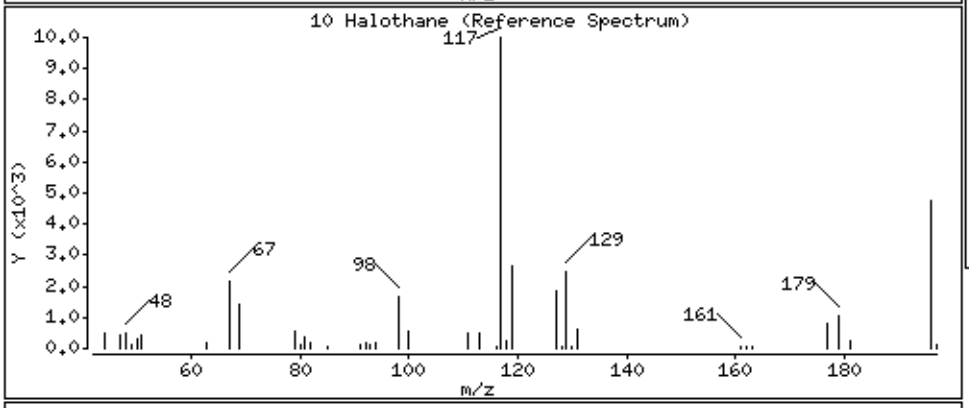
Concentration: 4.89935 ug

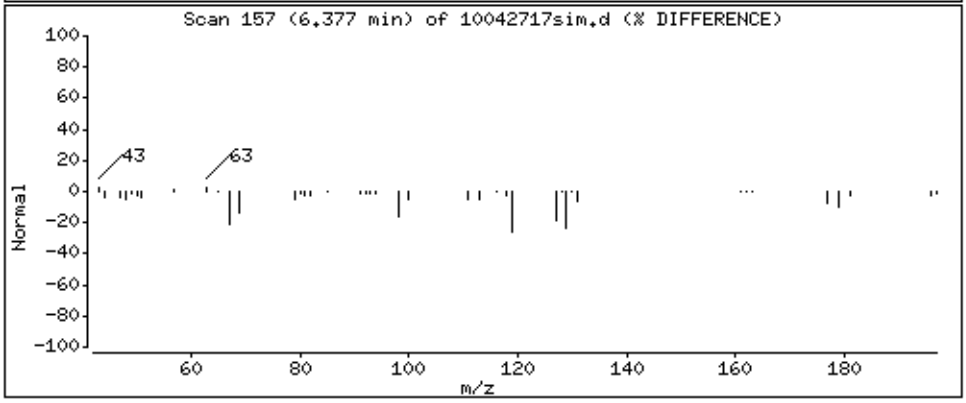












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

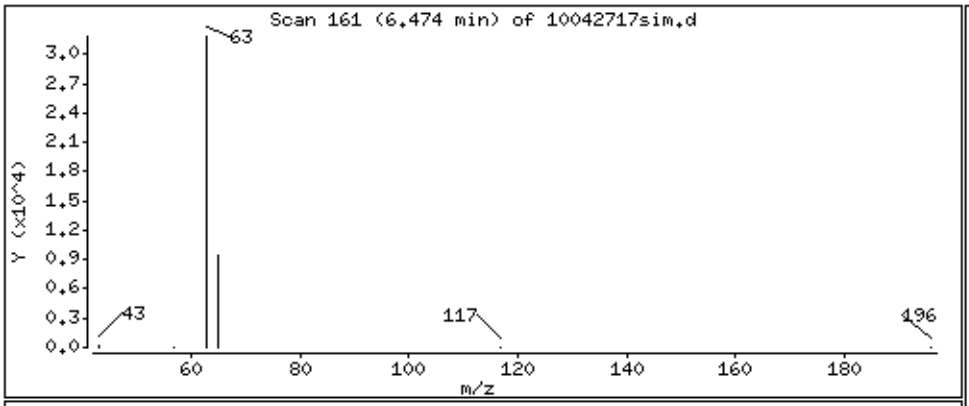
Operator: gm

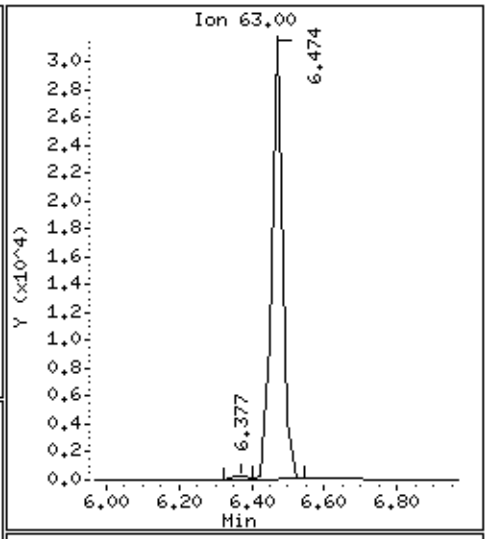
Column phase: DB-5.625

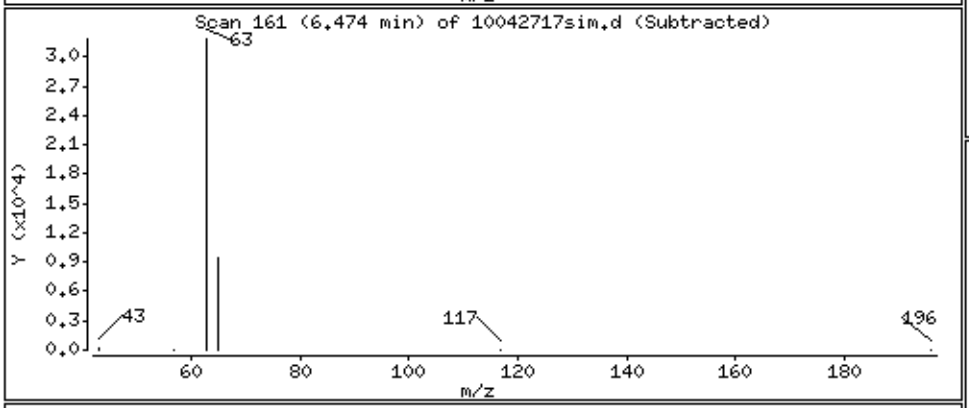
Column diameter: 0.25

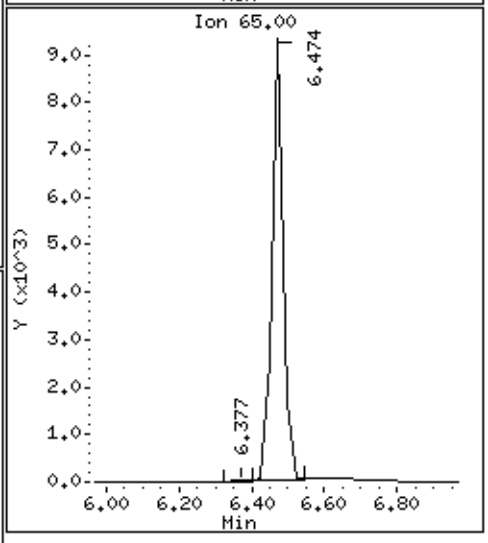
11 1,1-Dichloroethane-SPCC

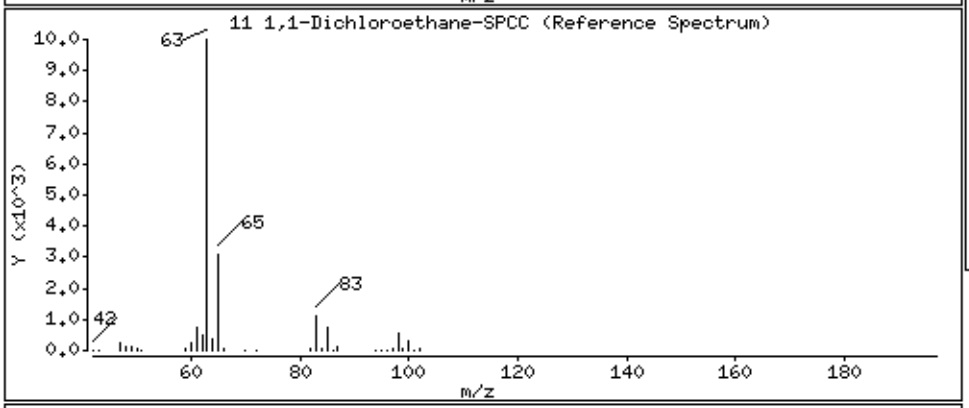
Concentration: 4.56154 ug

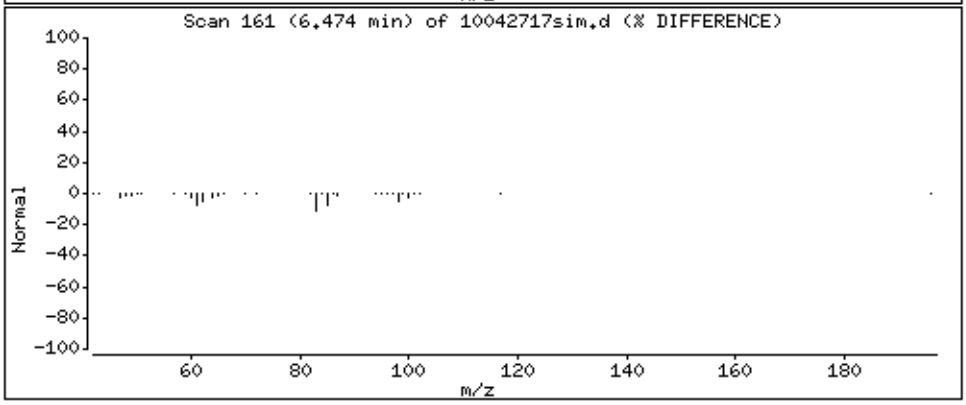












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

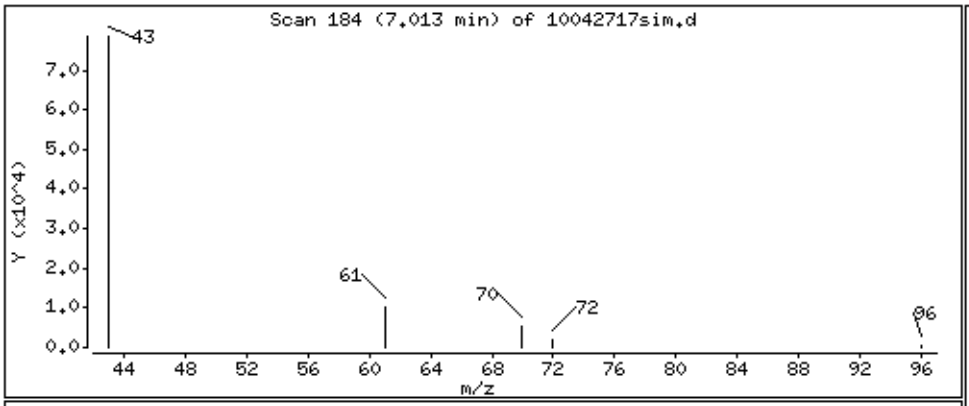
Operator: gm

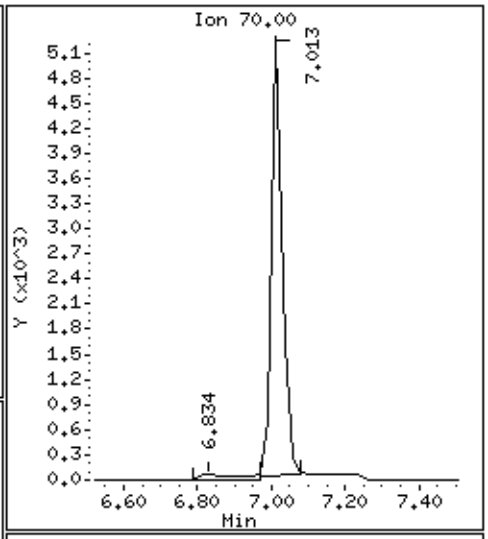
Column phase: DB-5.625

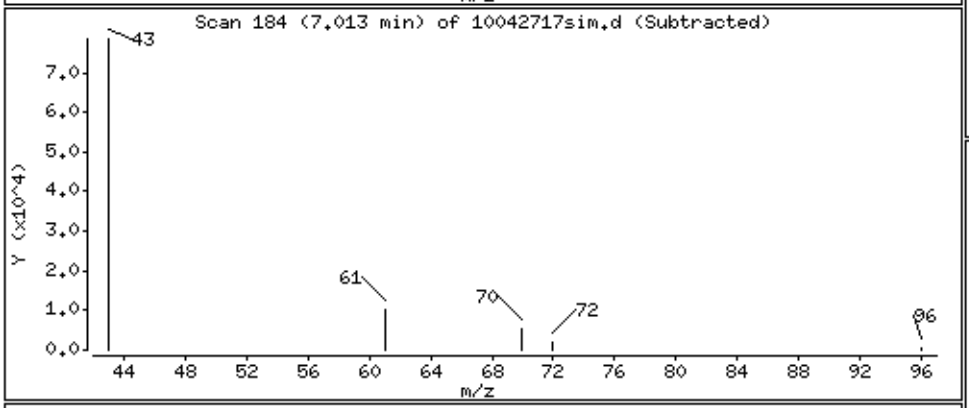
Column diameter: 0.25

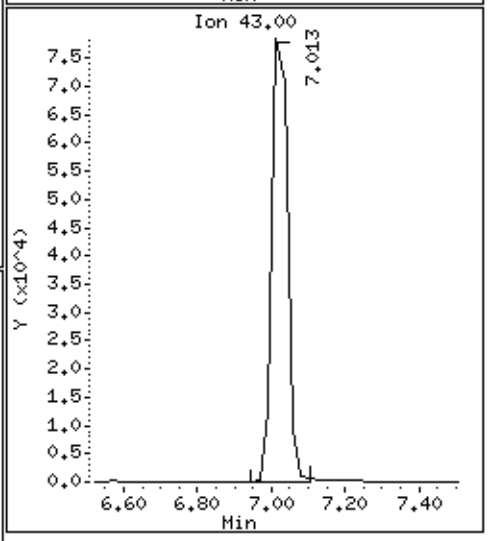
12 Ethyl Acetate

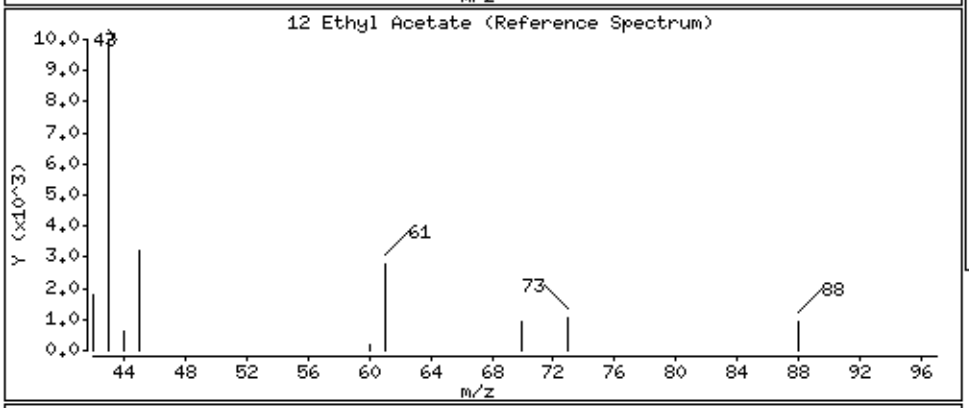
Concentration: 4.45219 ug

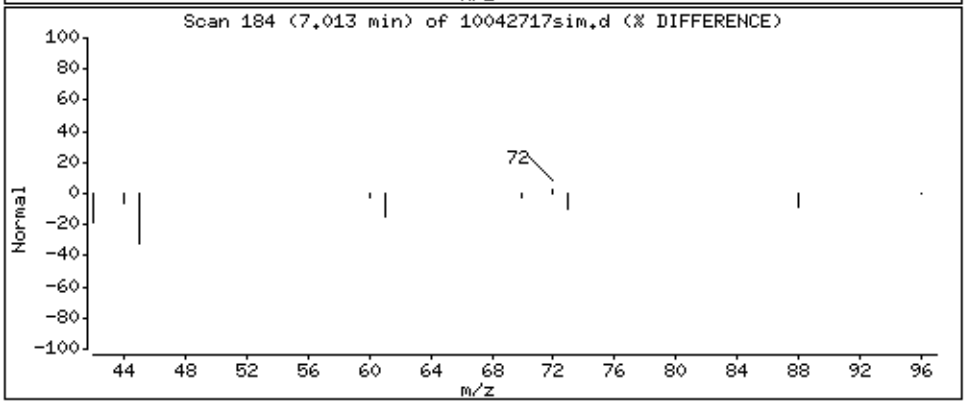












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

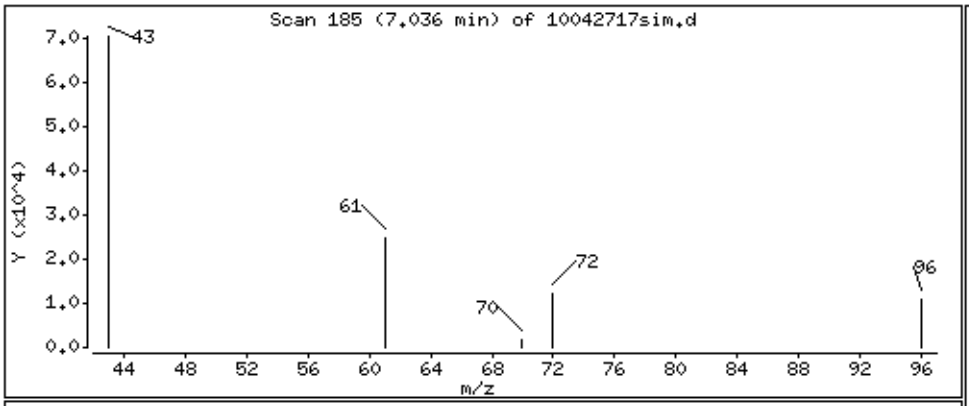
Operator: gm

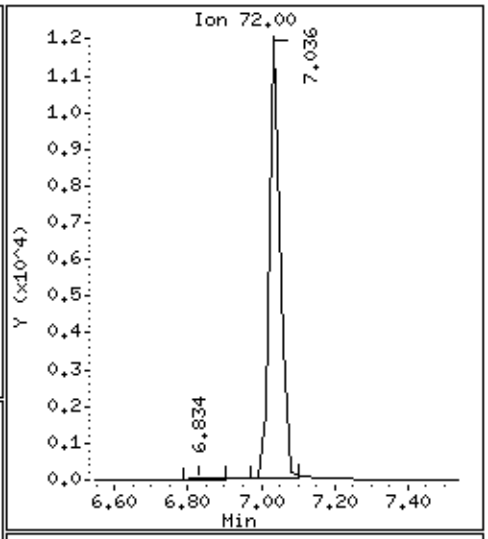
Column phase: DB-5.625

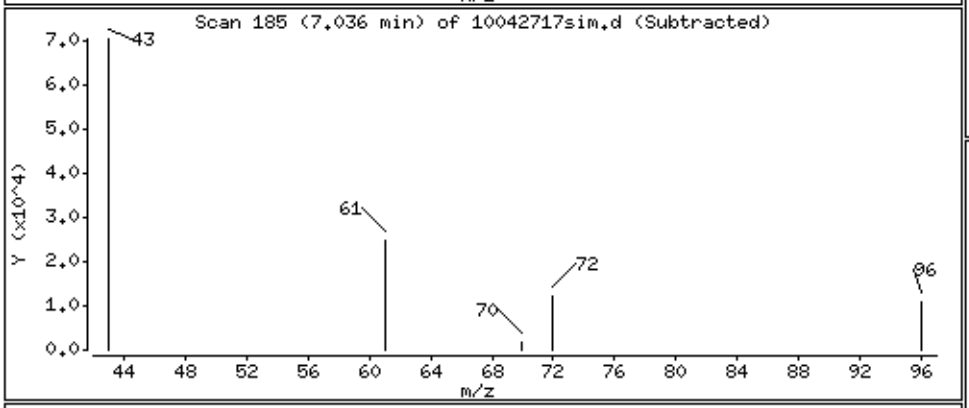
Column diameter: 0.25

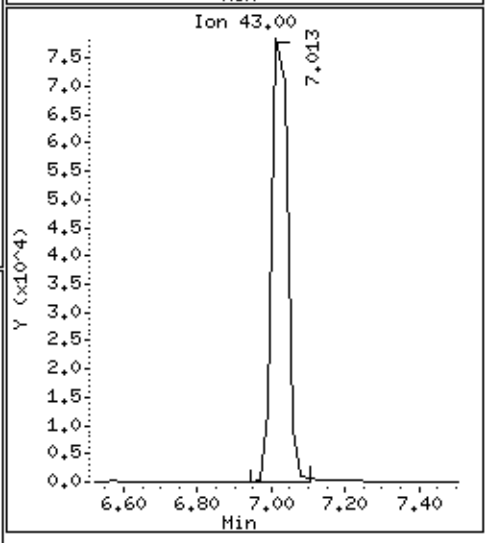
13 2-Butanone

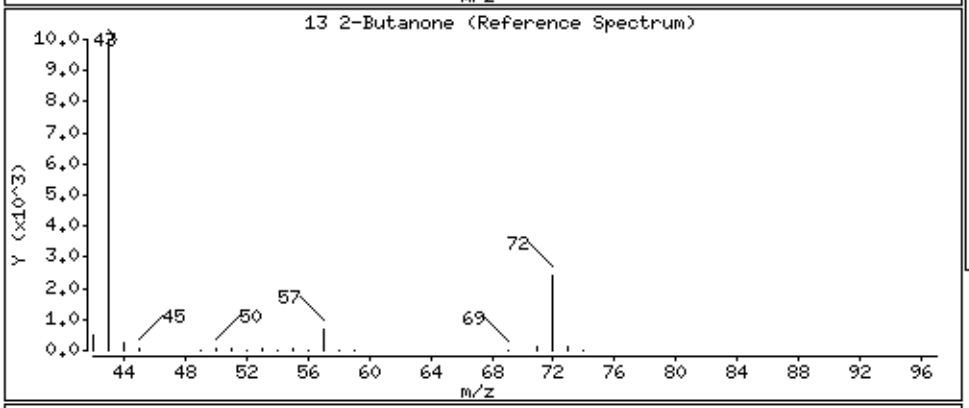
Concentration: 4.59133 ug

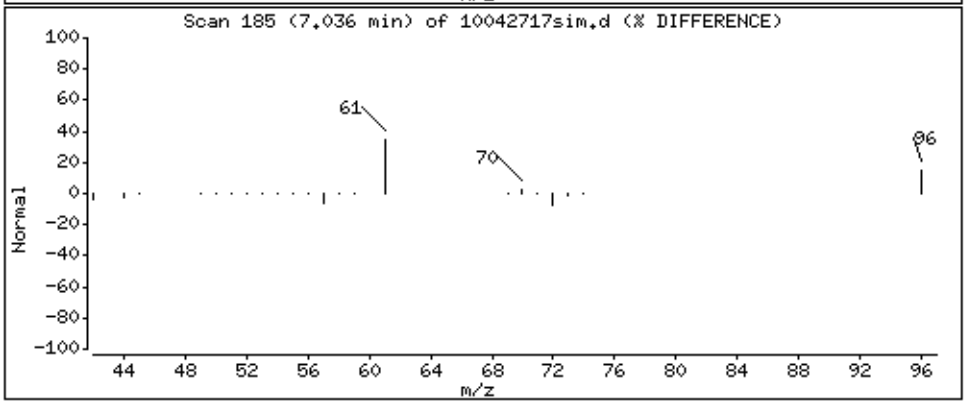












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

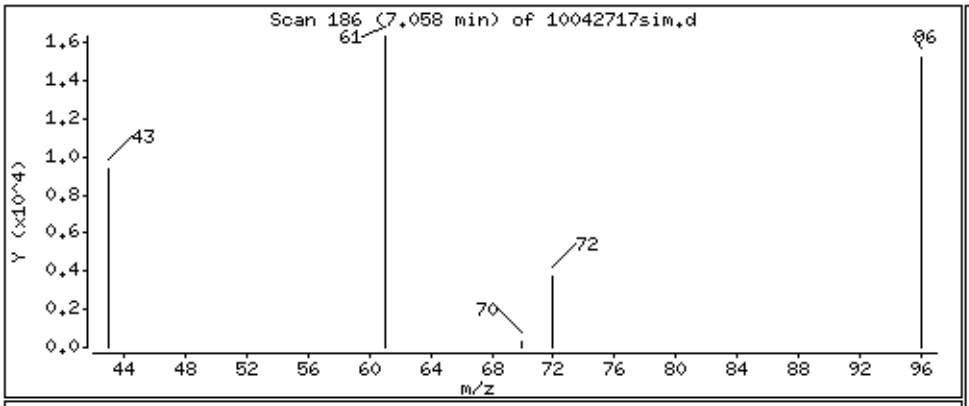
Operator: gm

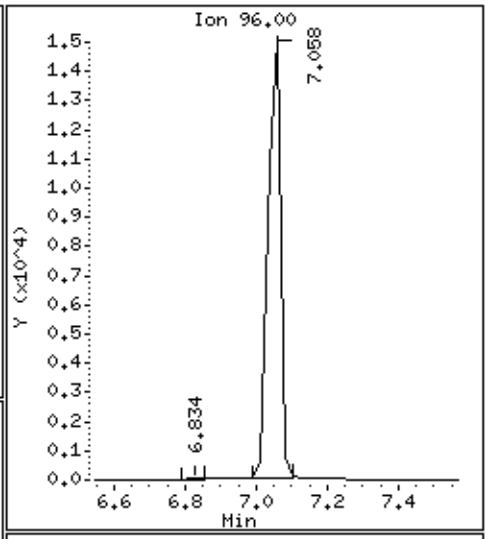
Column phase: DB-5.625

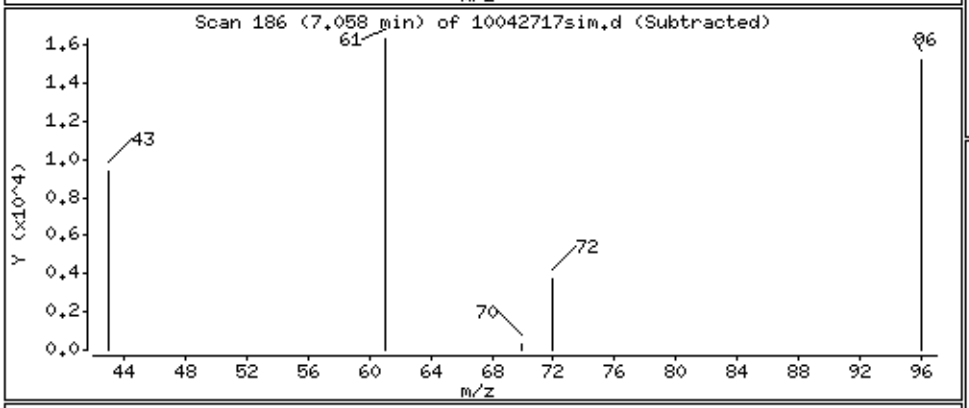
Column diameter: 0.25

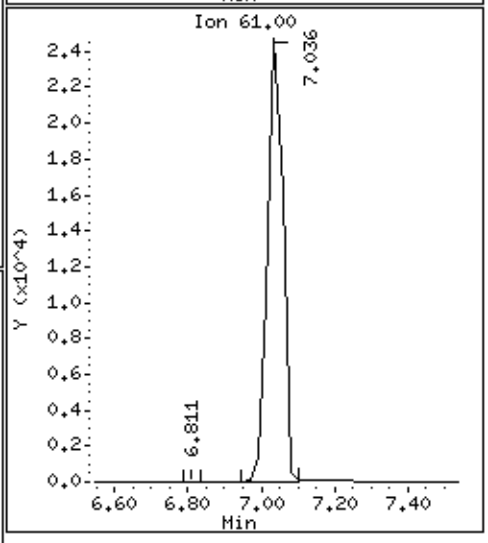
14 cis-1,2-Dichloroethene

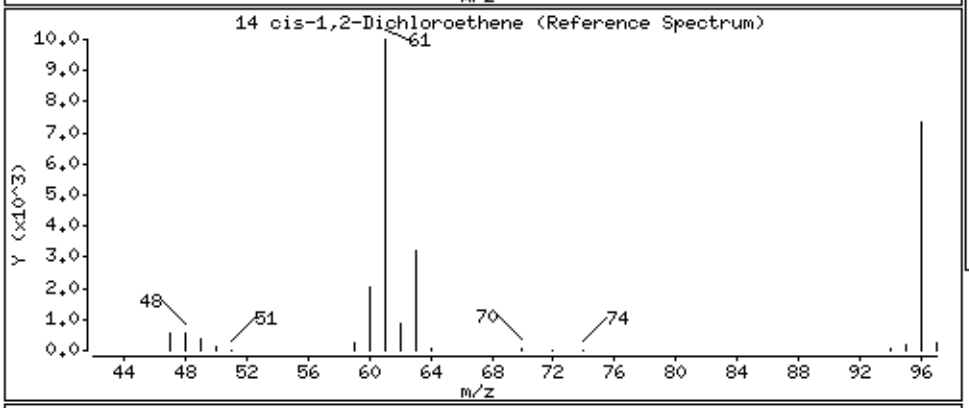
Concentration: 4.53396 ug

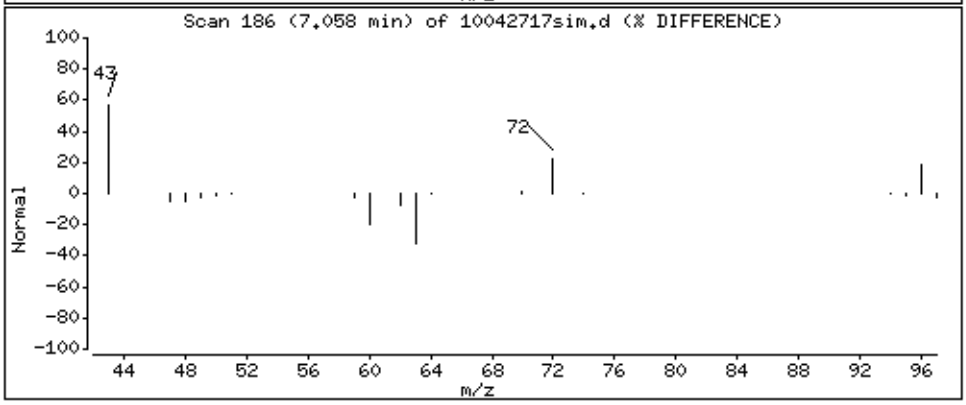












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

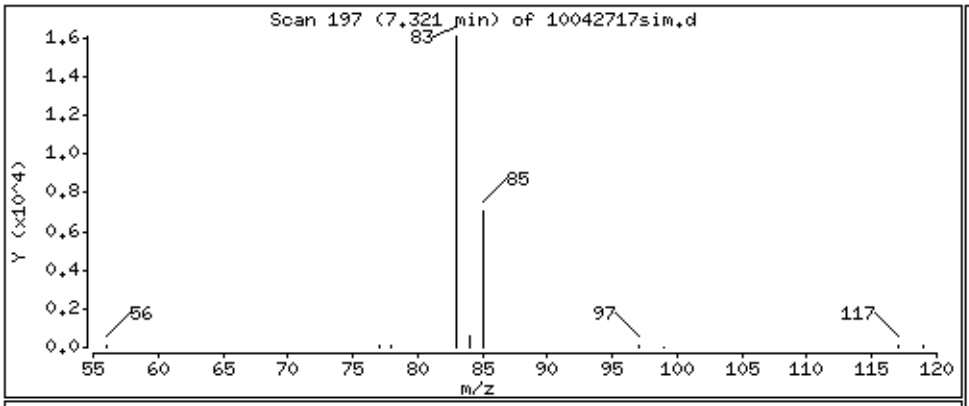
Operator: gm

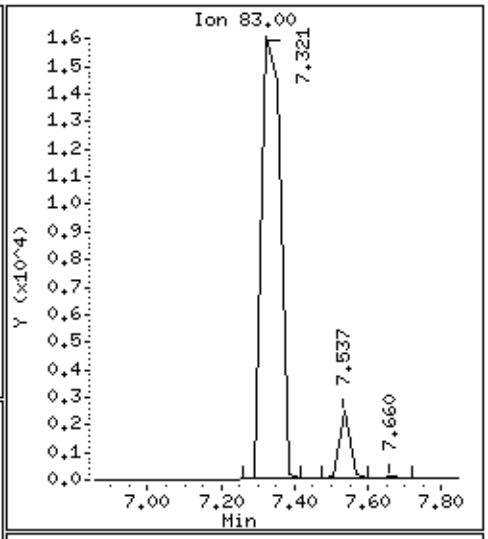
Column phase: DB-5.625

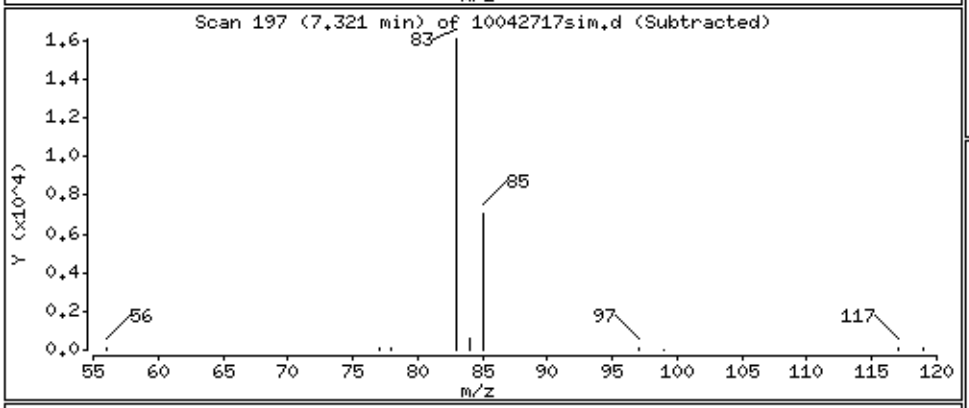
Column diameter: 0.25

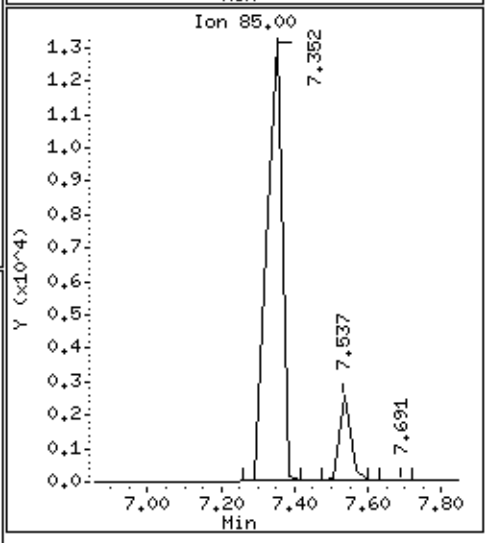
15 Chloroform-CCC

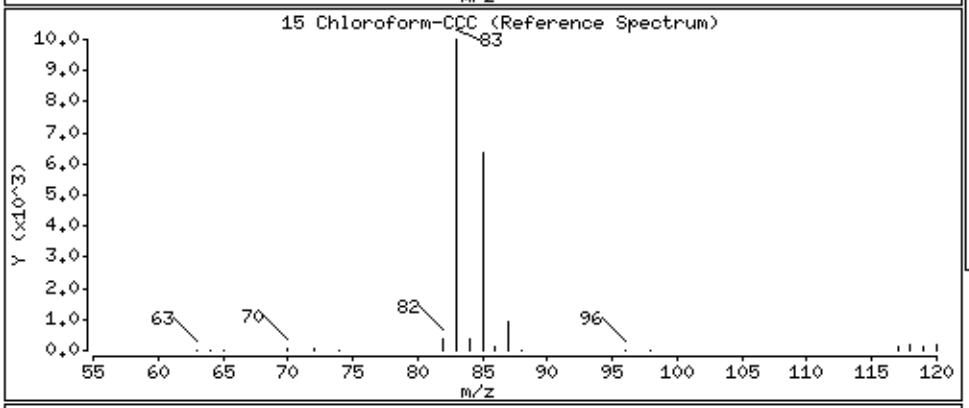
Concentration: 4.28523 ug

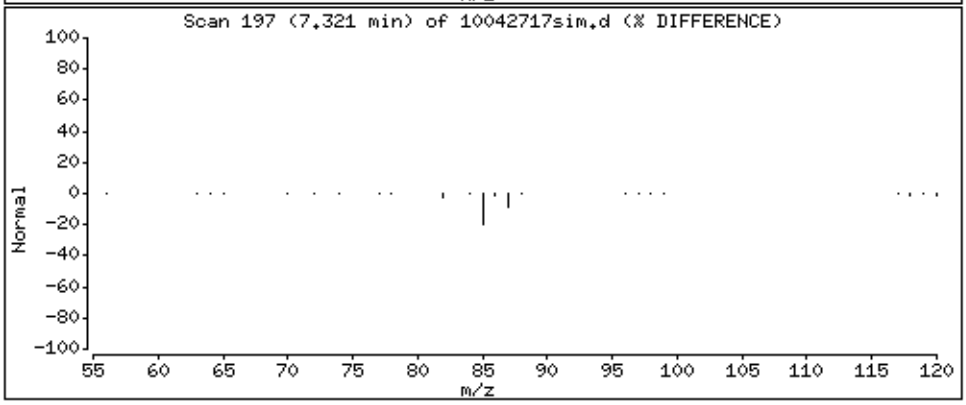












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

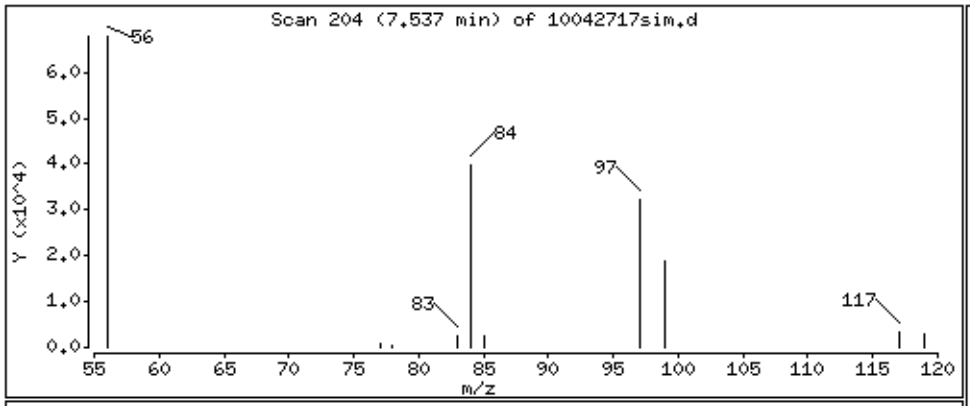
Operator: gm

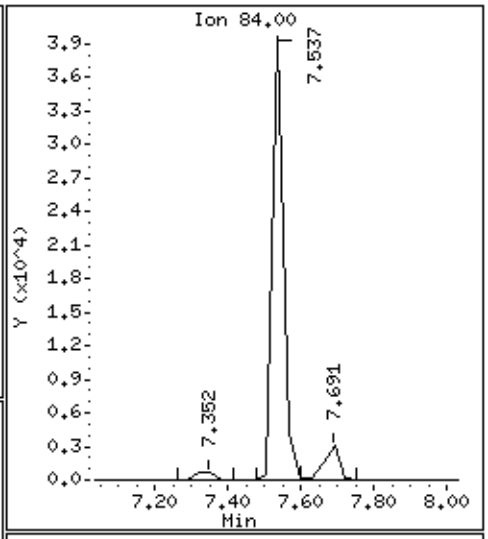
Column phase: DB-5.625

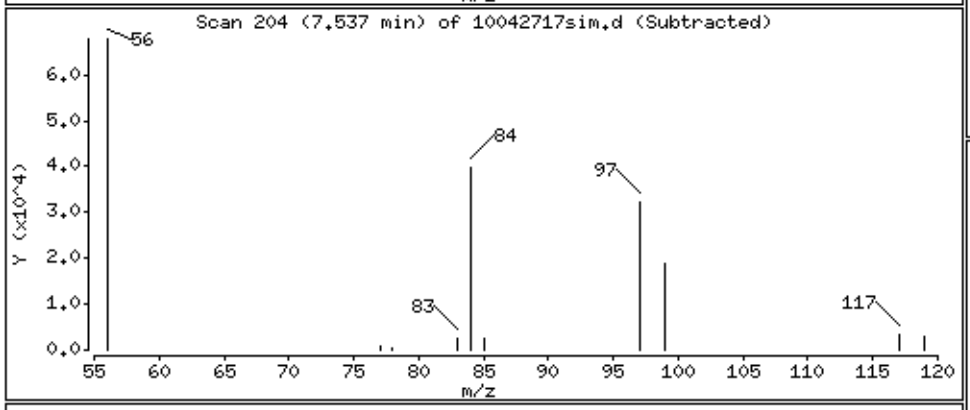
Column diameter: 0.25

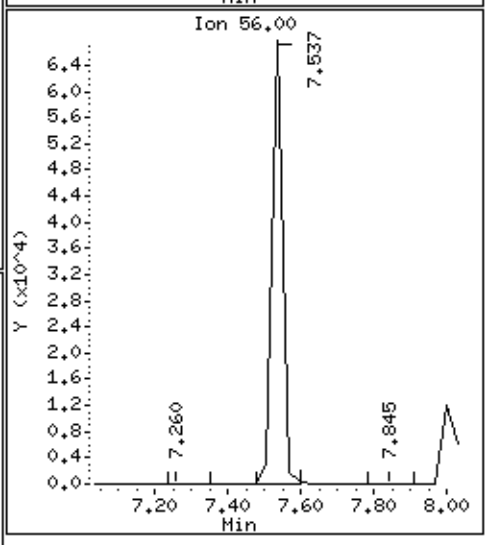
16 Cyclohexane

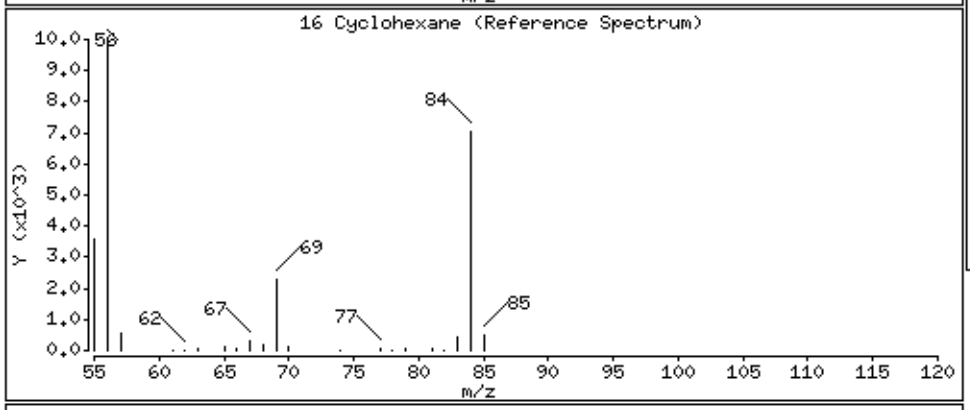
Concentration: 4.45803 ug

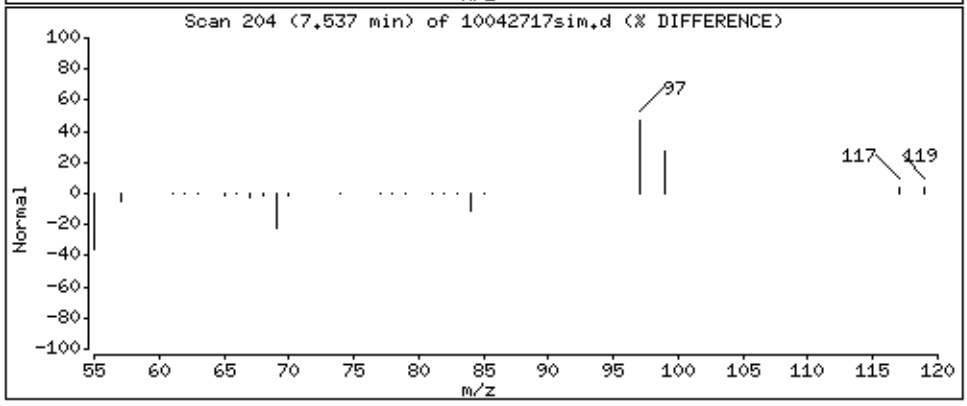












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

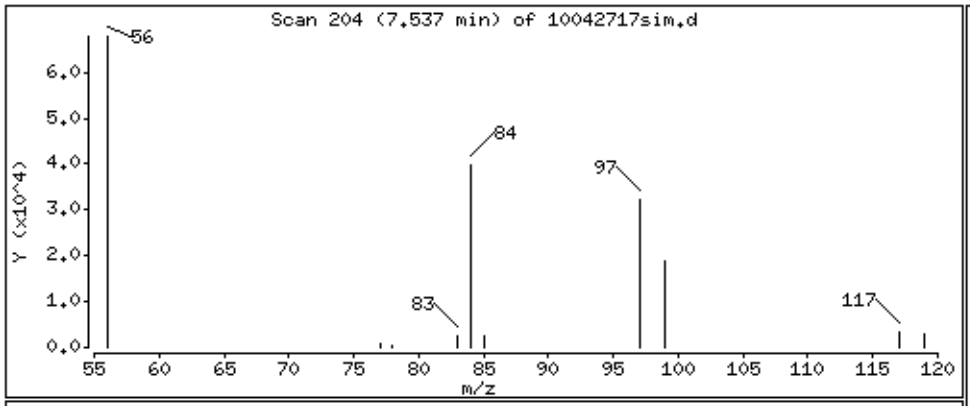
Operator: gm

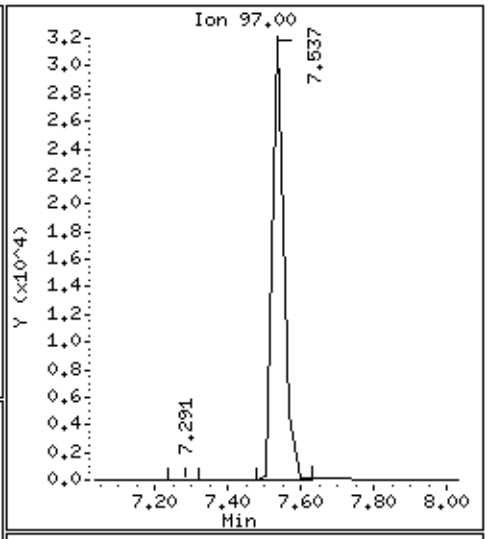
Column phase: DB-5.625

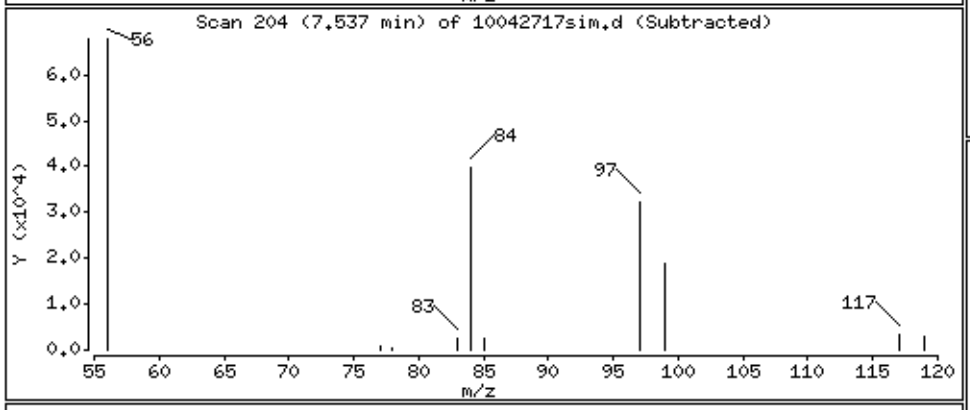
Column diameter: 0.25

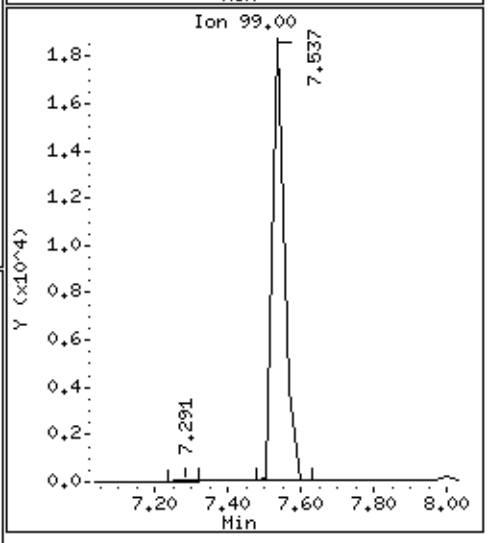
17 1,1,1-Trichloroethane

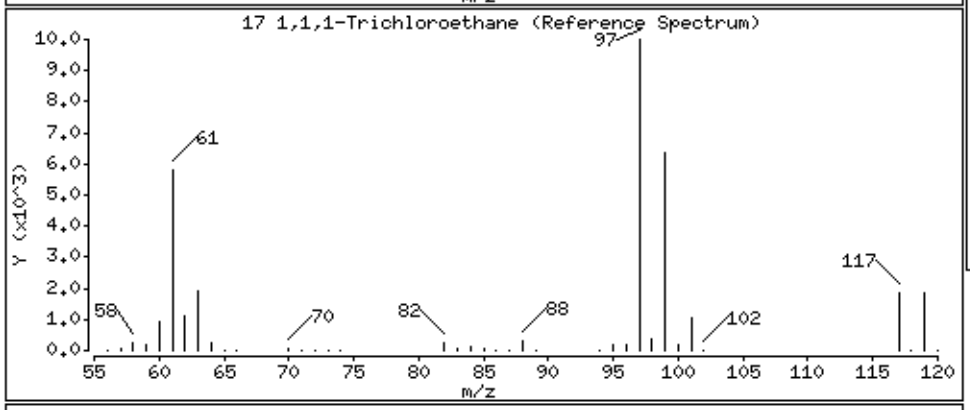
Concentration: 4.26671 ug

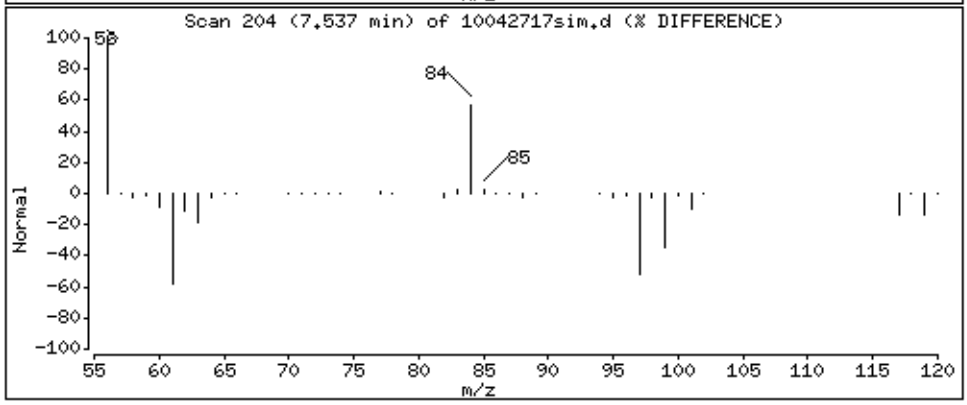












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

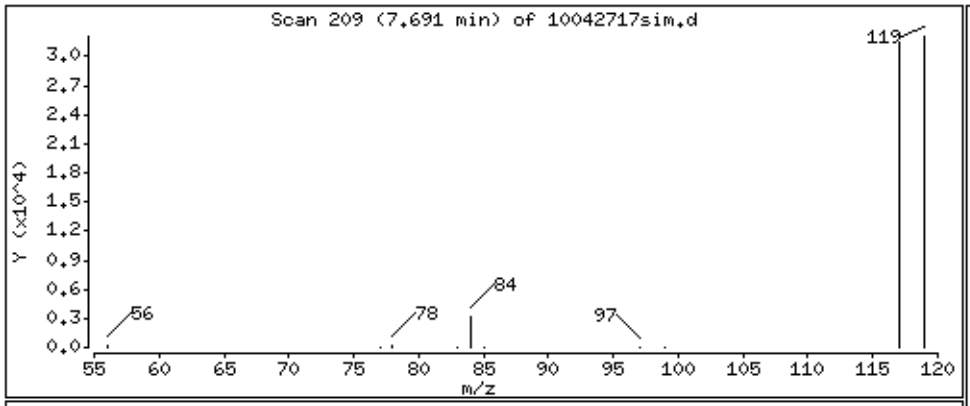
Operator: gm

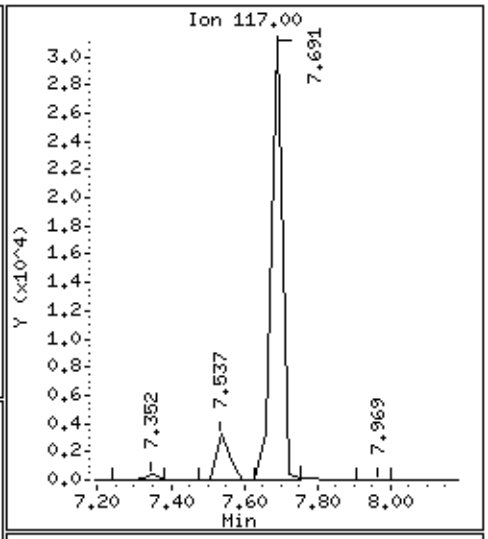
Column phase: DB-5.625

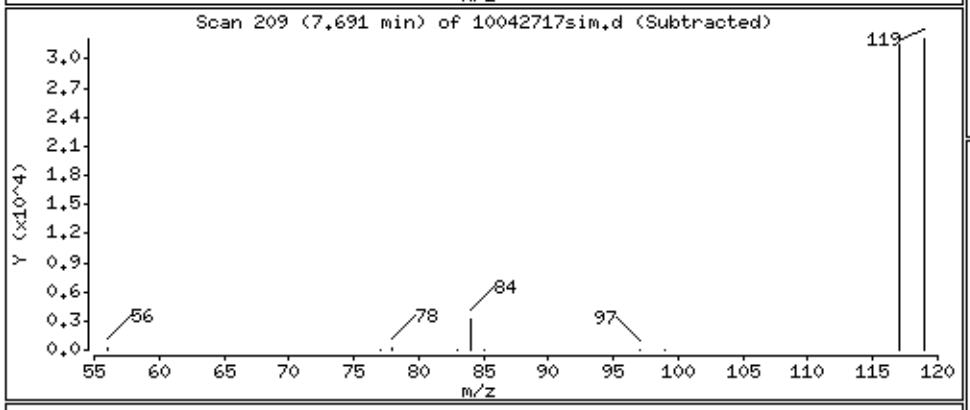
Column diameter: 0.25

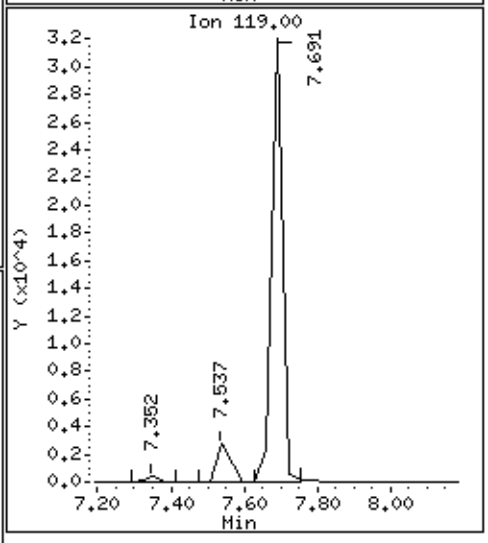
18 Carbon Tetrachloride

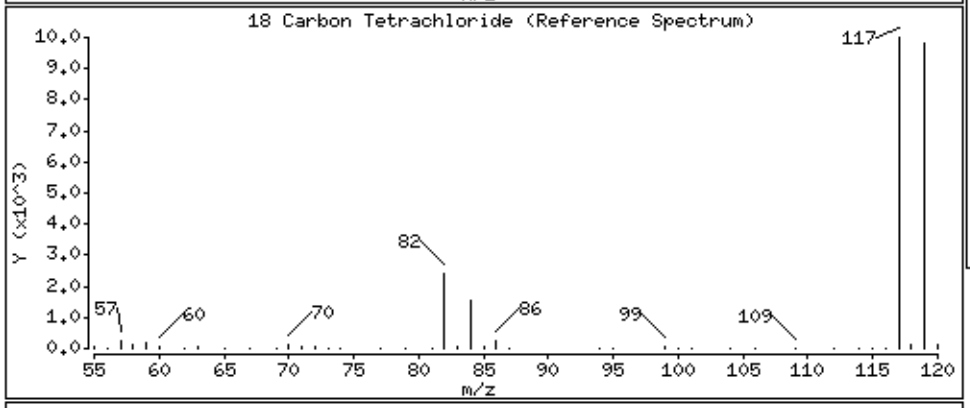
Concentration: 4.52933 ug

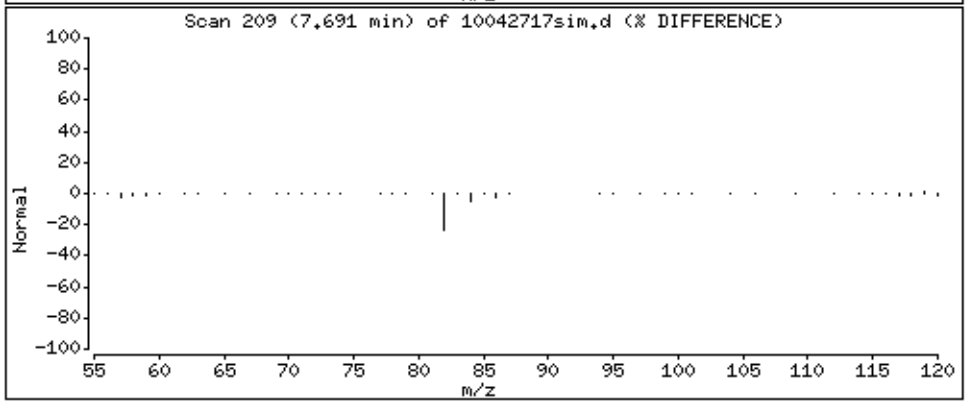












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

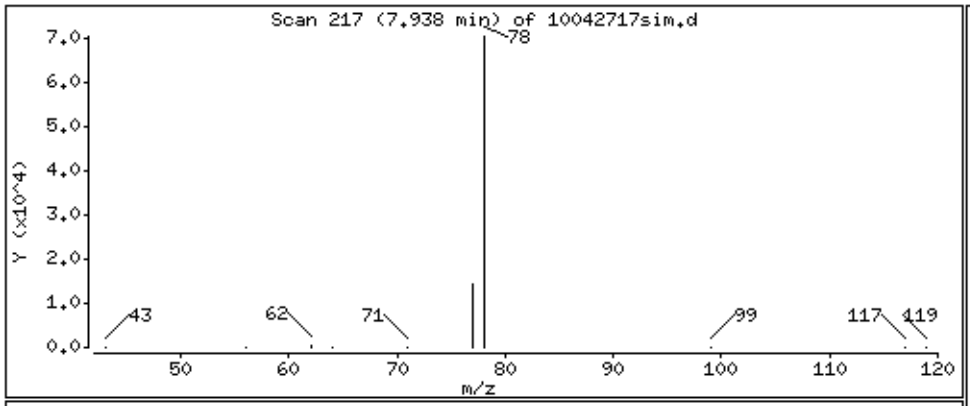
Operator: gm

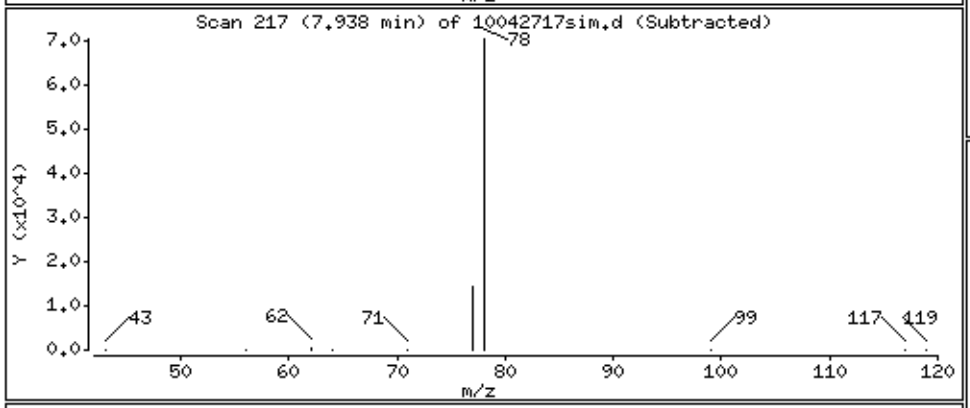
Column phase: DB-5.625

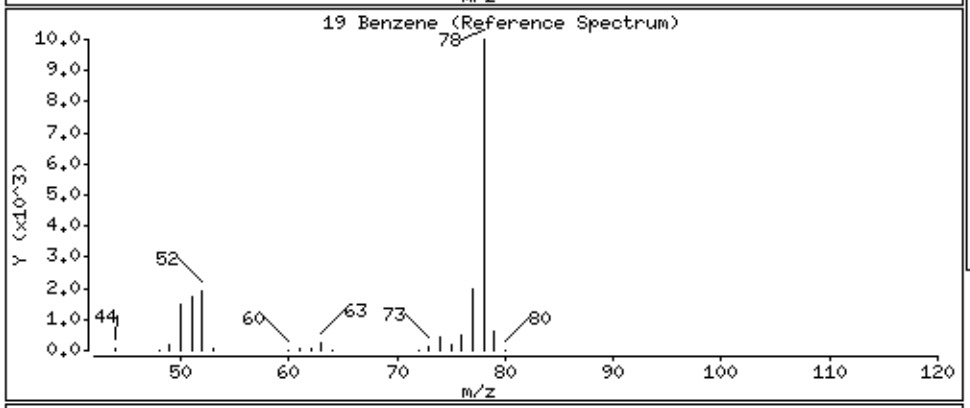
Column diameter: 0.25

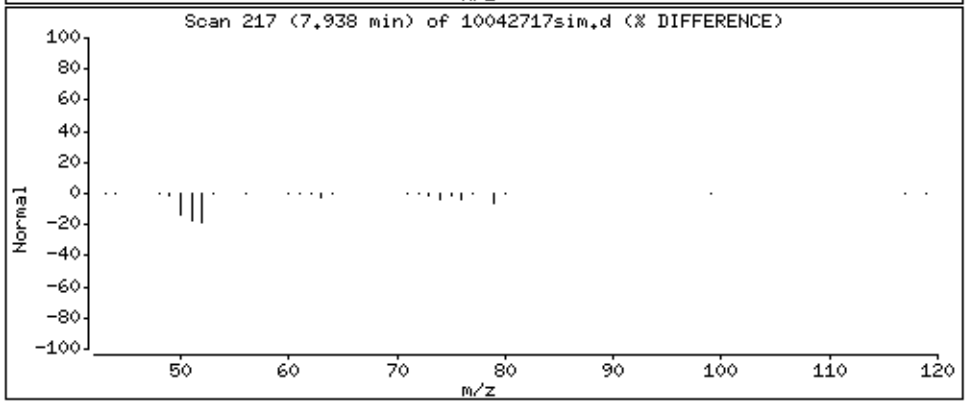
19 Benzene

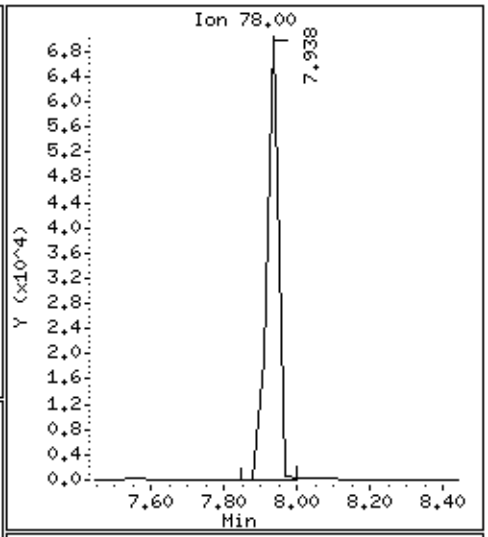
Concentration: 4.52560 ug

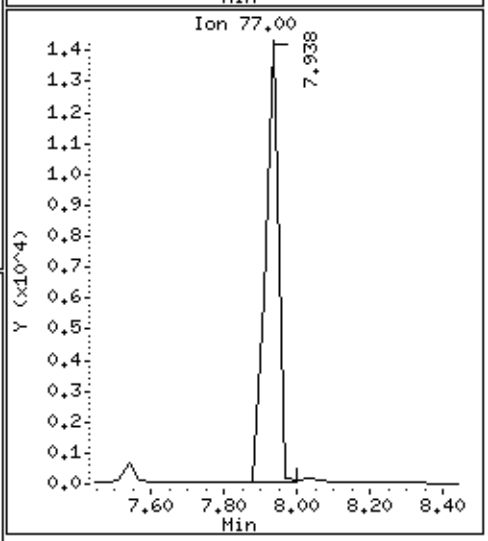












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

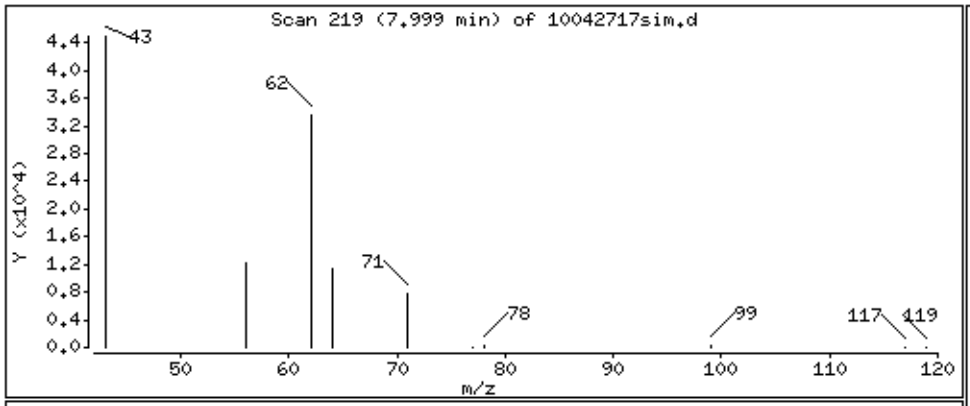
Operator: gm

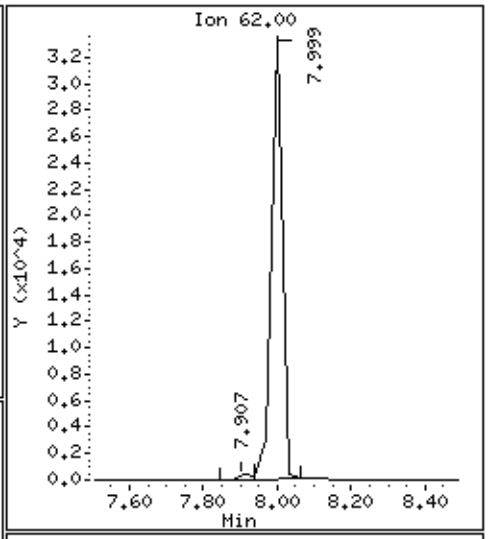
Column phase: DB-5.625

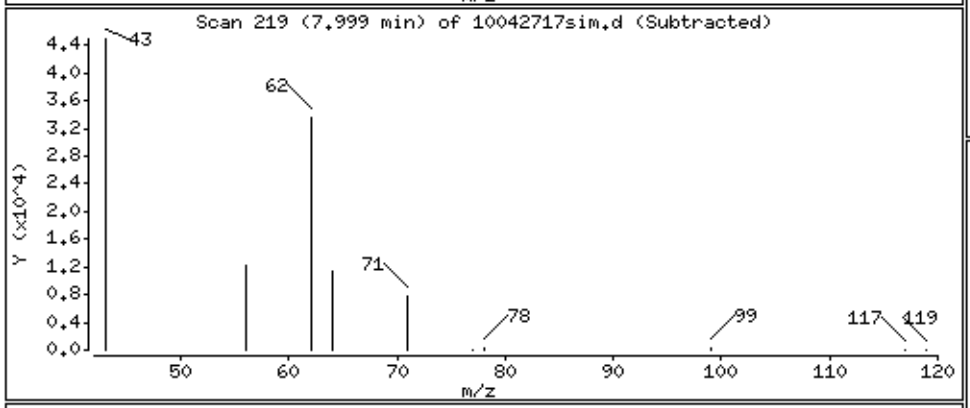
Column diameter: 0.25

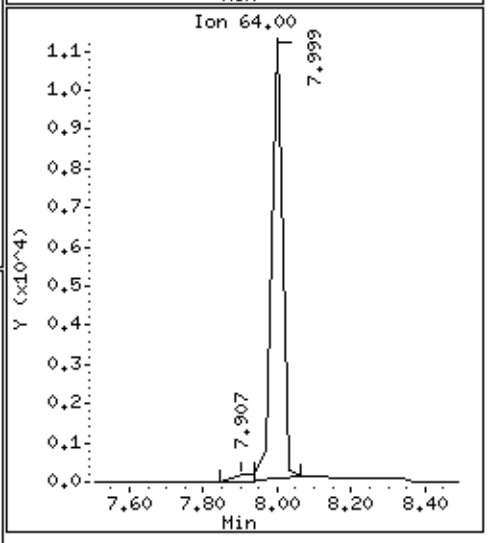
20 1,2-Dichloroethane

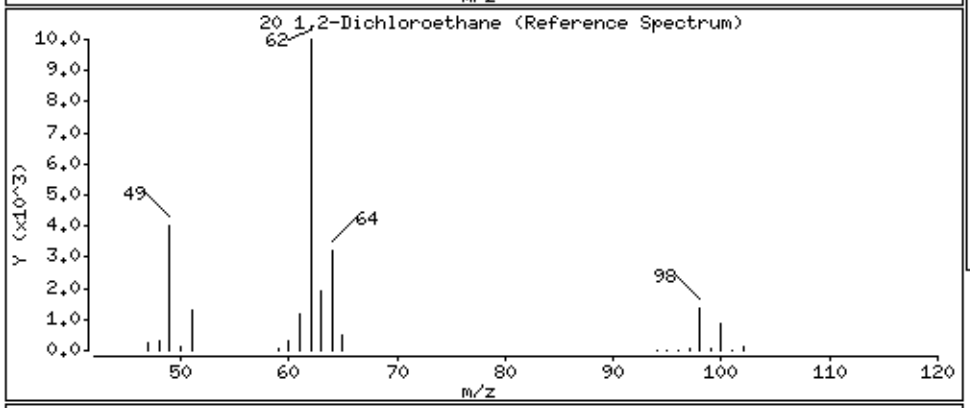
Concentration: 4.38349 ug

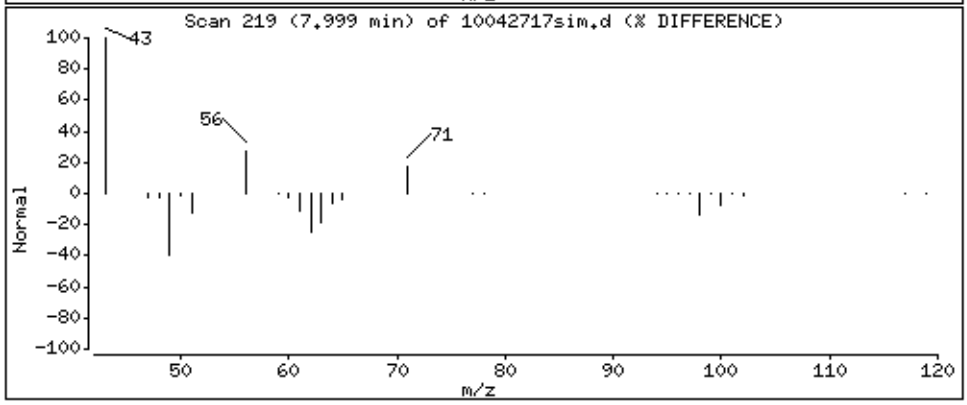












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

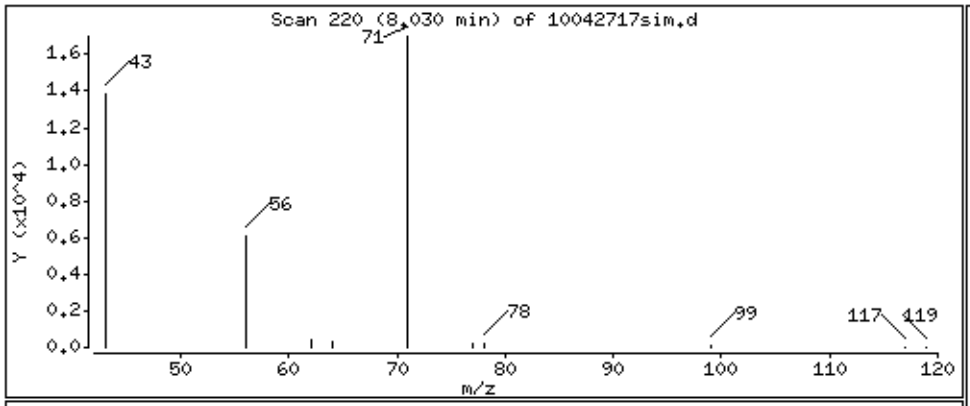
Operator: gm

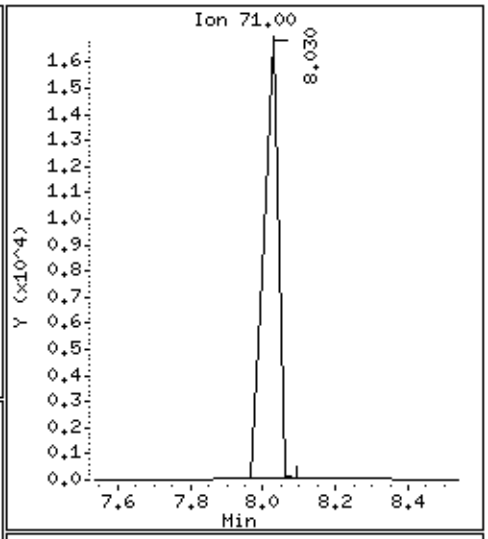
Column phase: DB-5.625

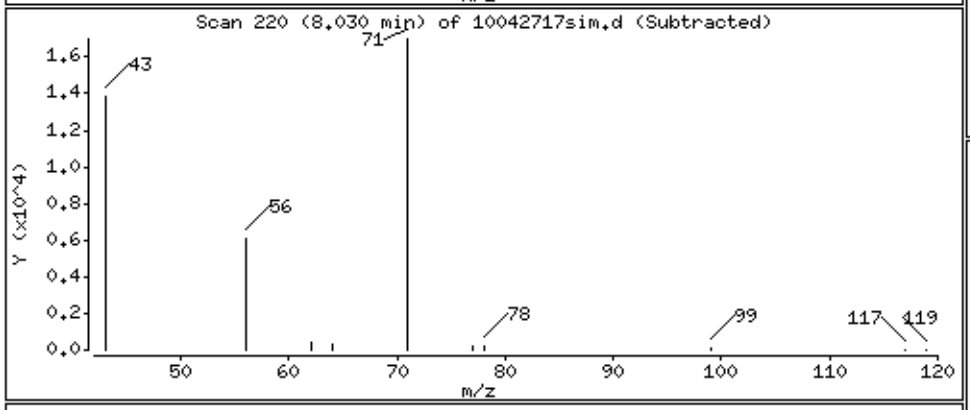
Column diameter: 0.25

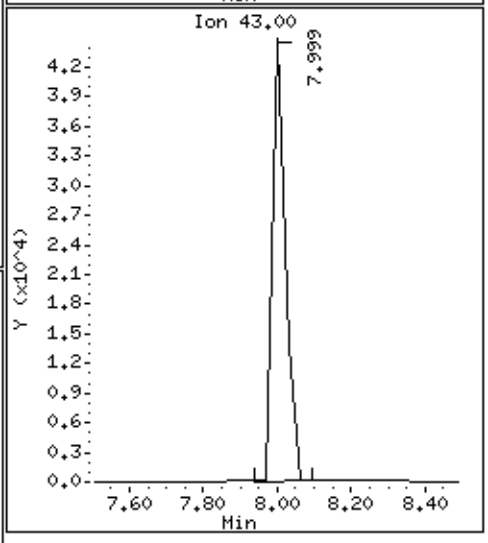
21 Heptane

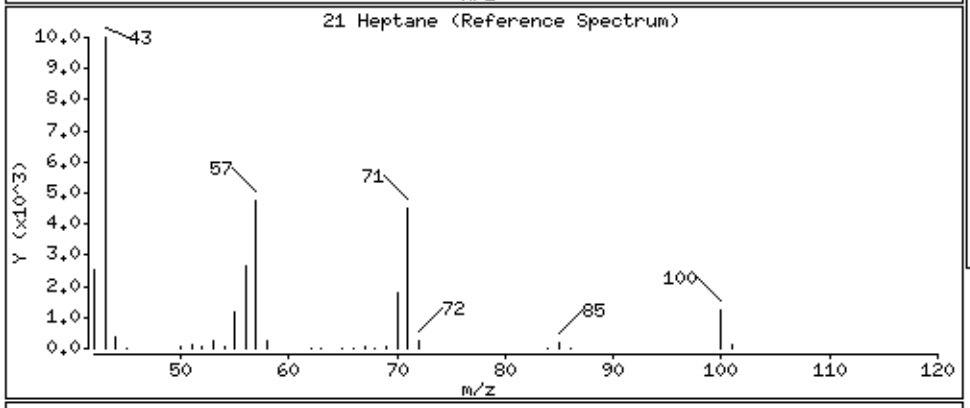
Concentration: 4.22281 ug

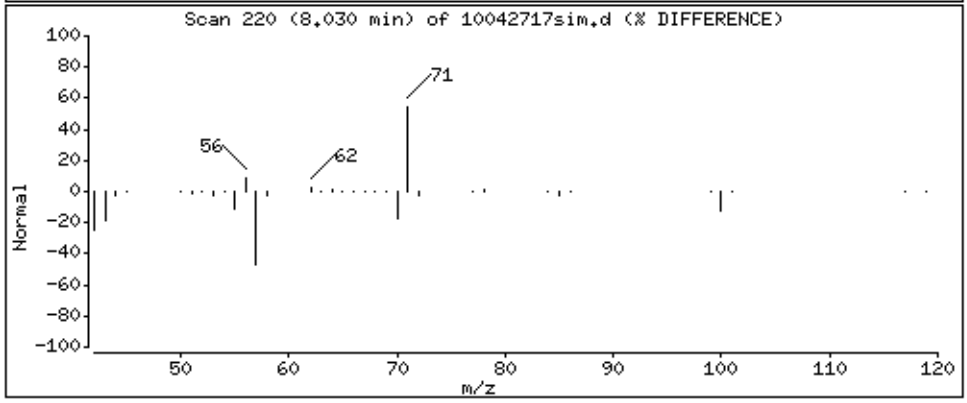












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

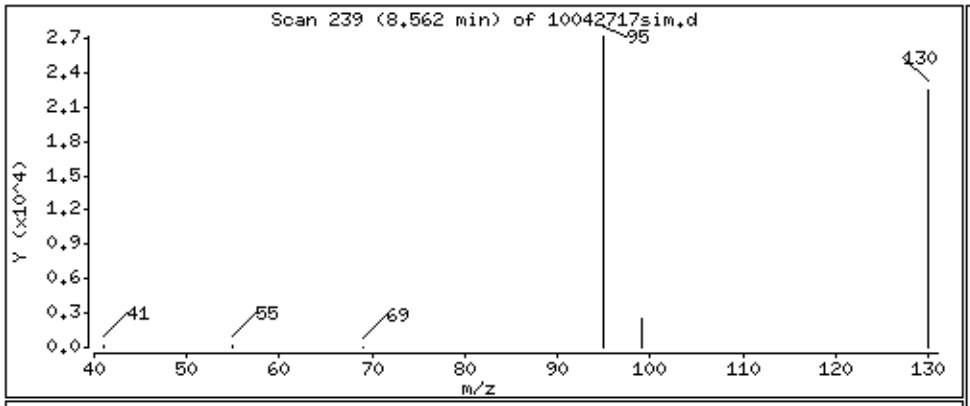
Operator: gm

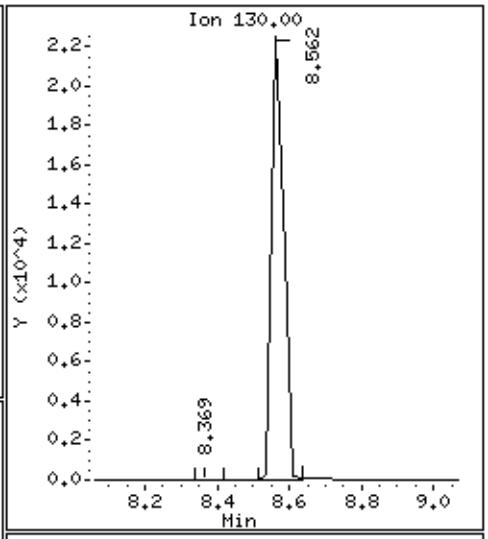
Column phase: DB-5.625

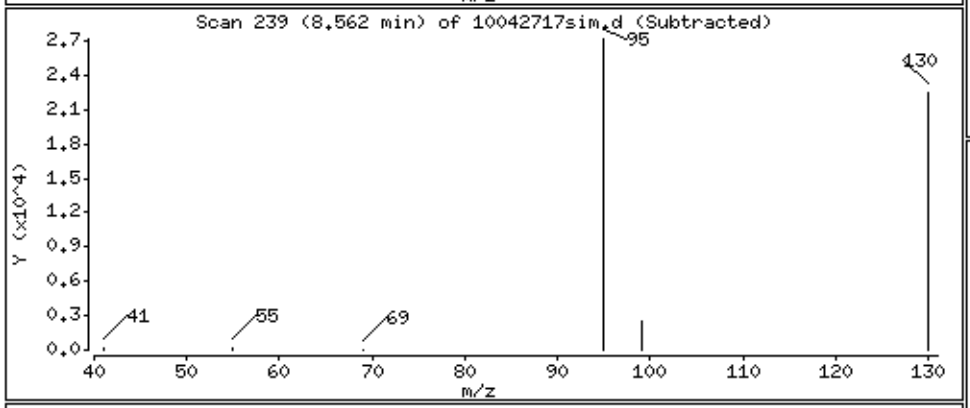
Column diameter: 0.25

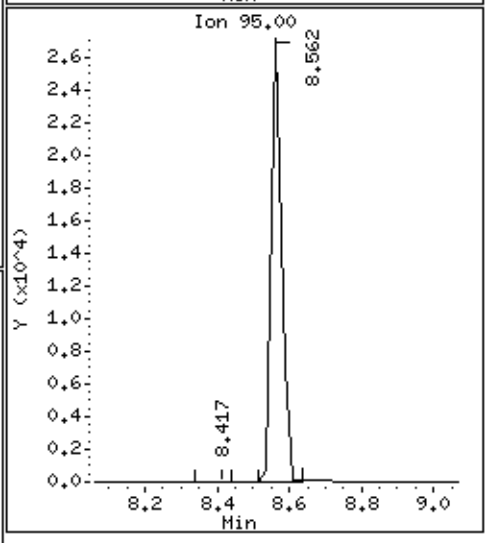
22 Trichloroethene

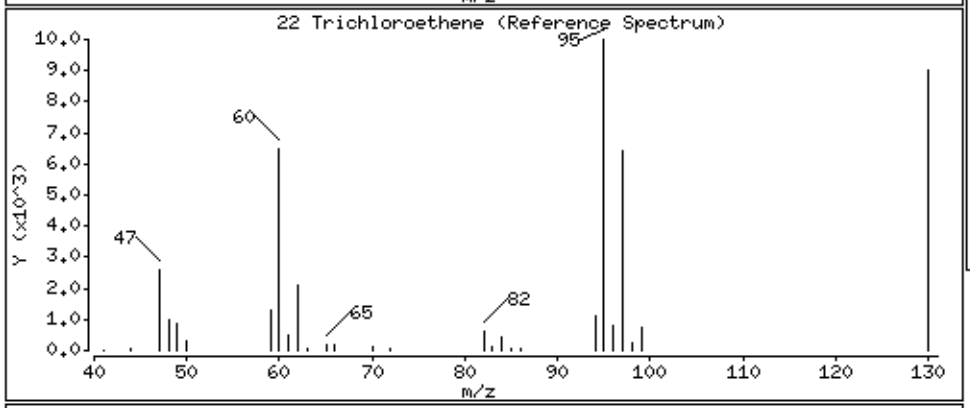
Concentration: 4.31285 ug

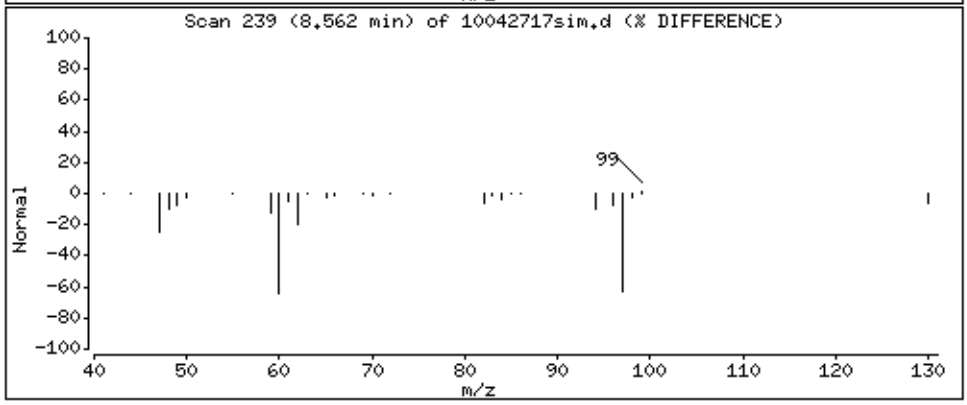












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

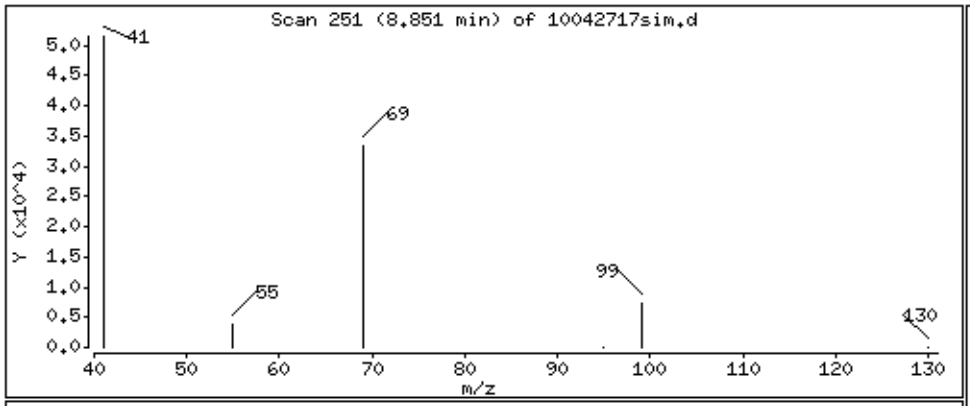
Operator: gm

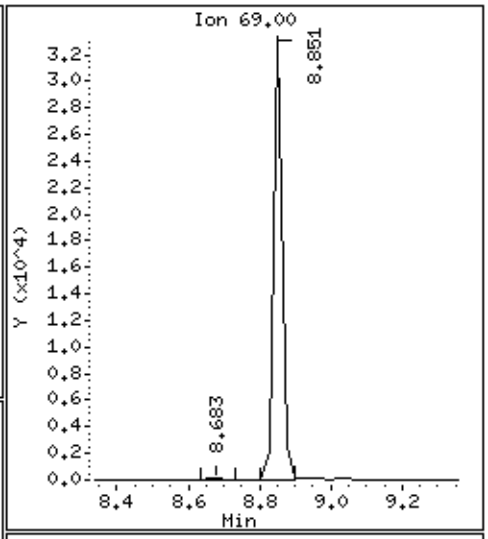
Column phase: DB-5.625

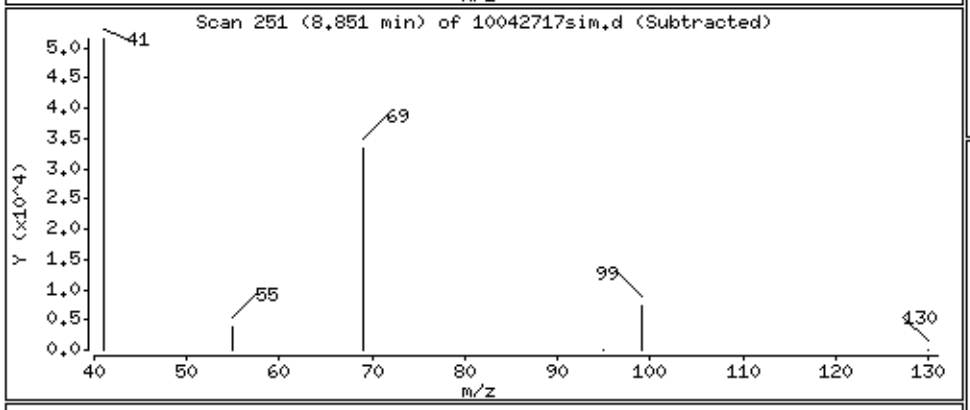
Column diameter: 0.25

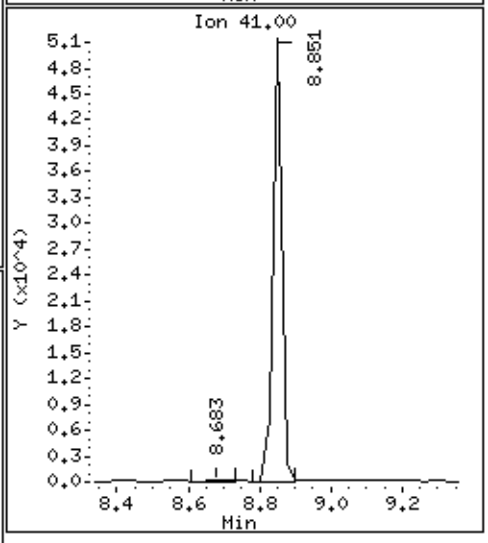
24 Methyl Methacrylate

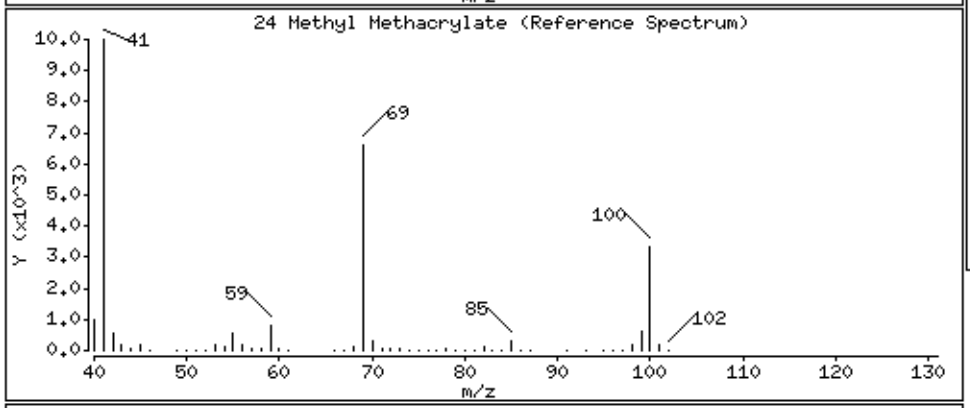
Concentration: 4.58600 ug

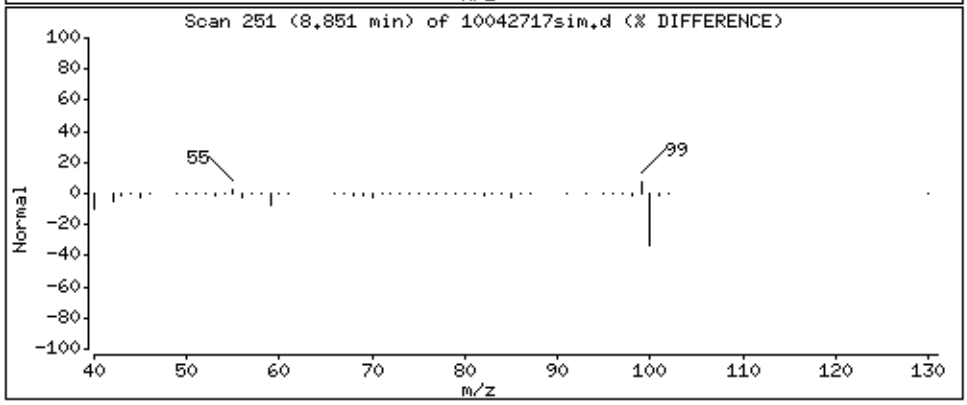












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

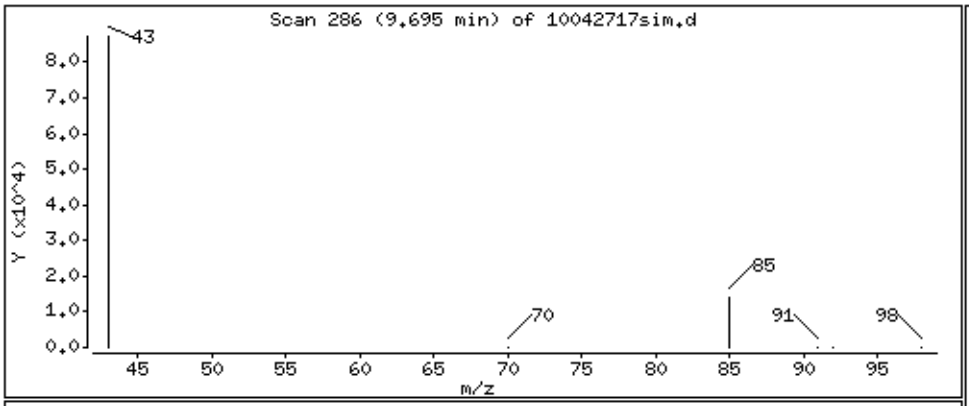
Operator: gm

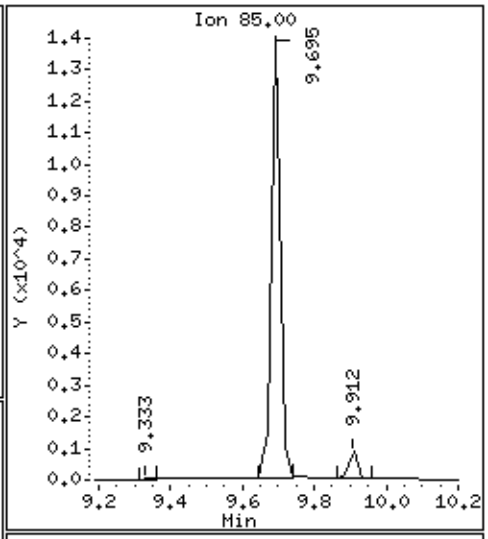
Column phase: DB-5.625

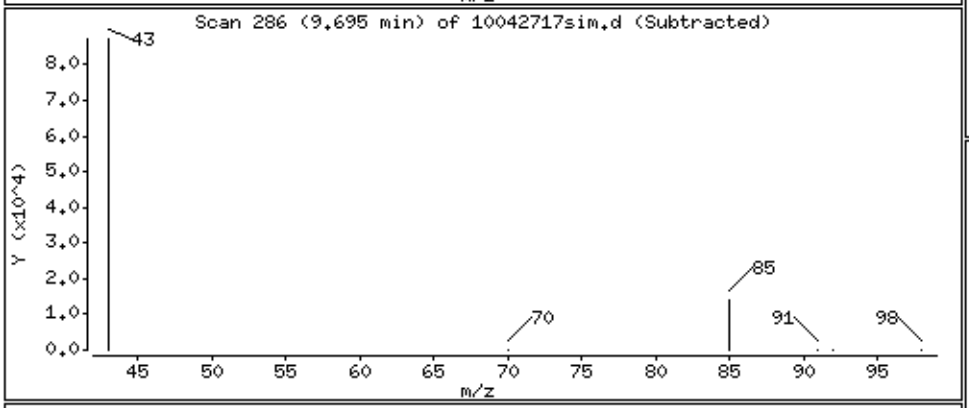
Column diameter: 0.25

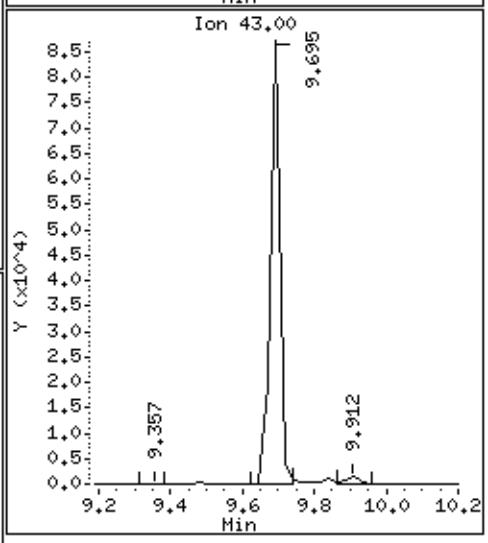
25 4-Methyl-2-pentanone

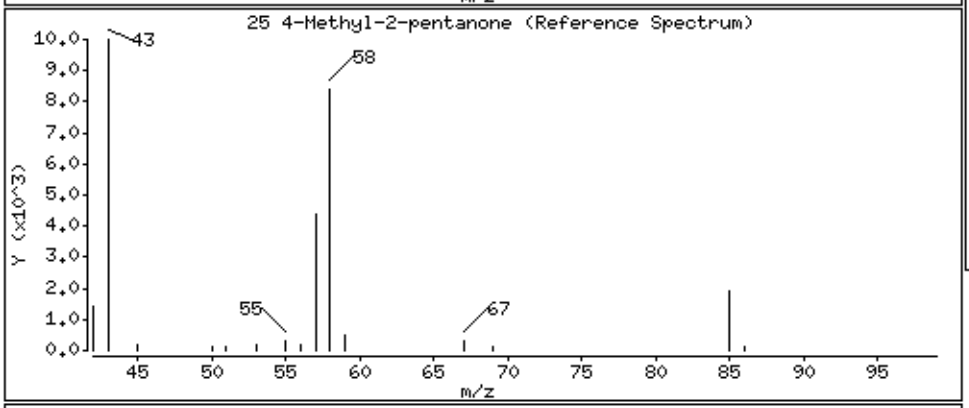
Concentration: 4.69387 ug

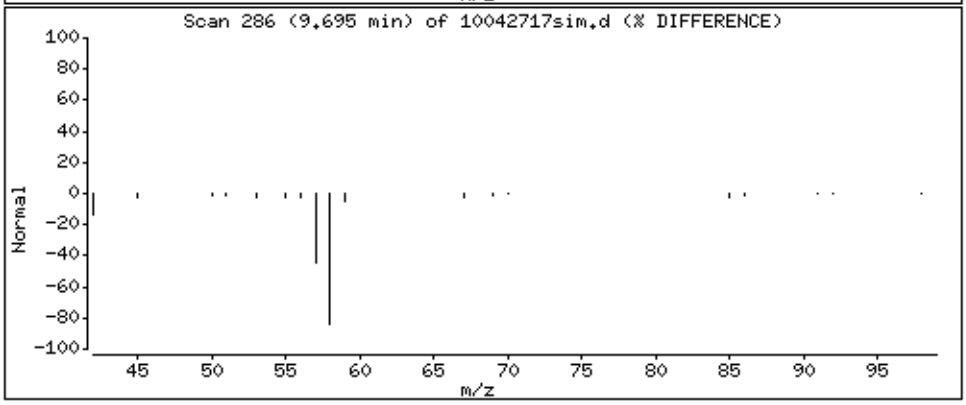












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

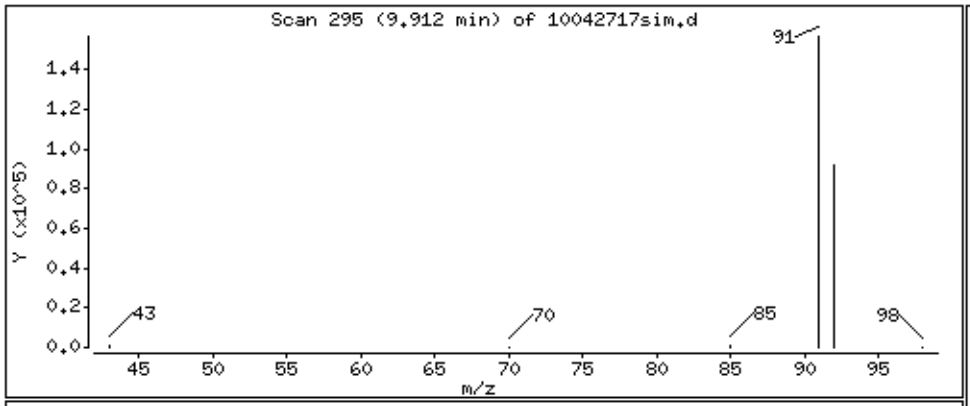
Operator: gm

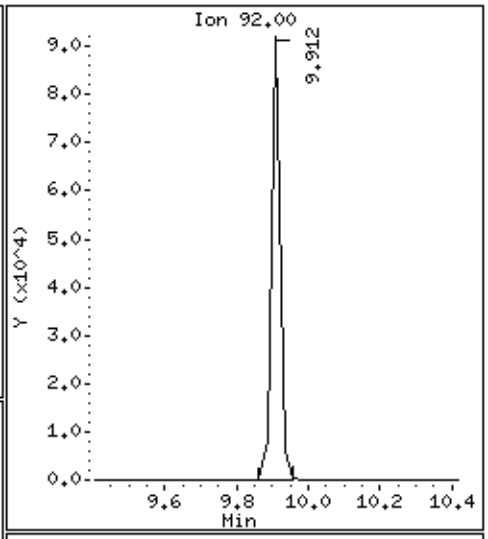
Column phase: DB-5.625

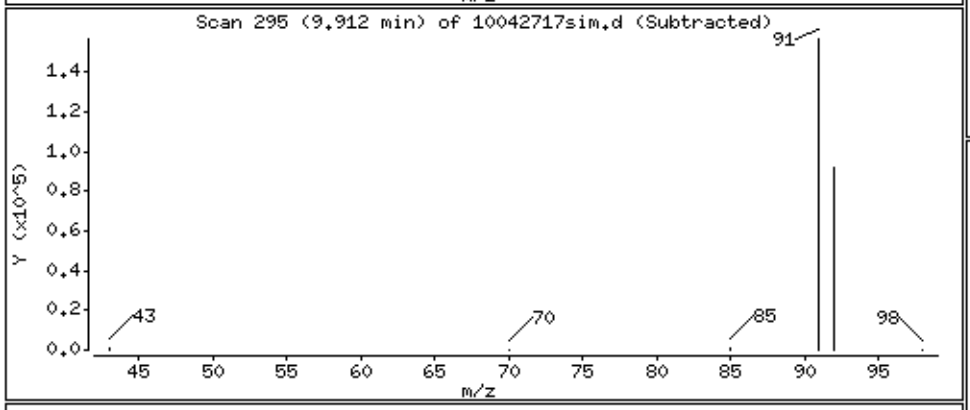
Column diameter: 0.25

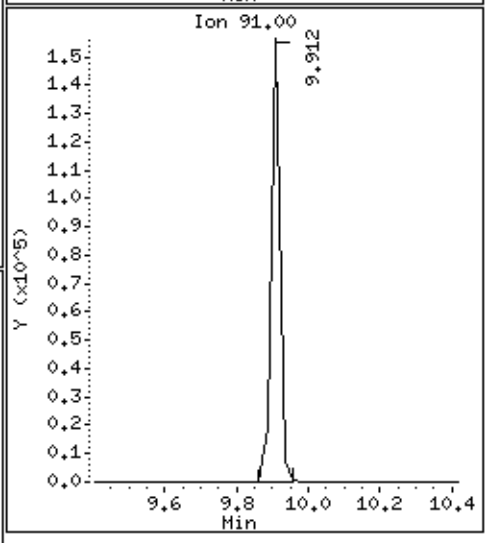
28 Toluene-CCC

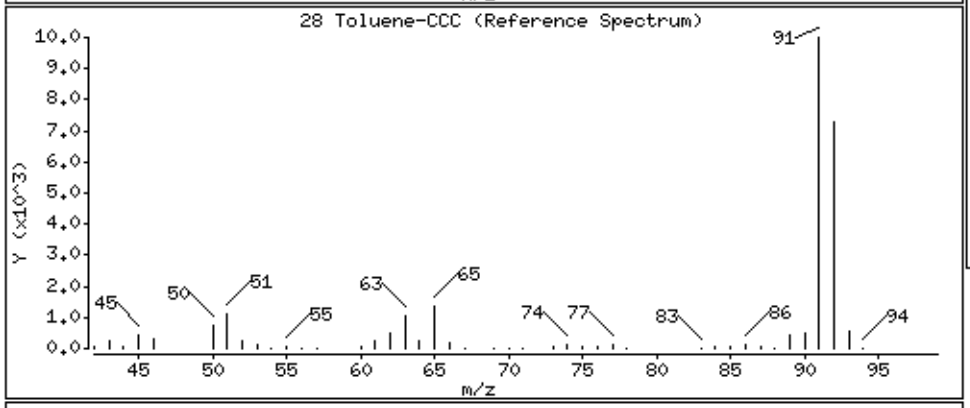
Concentration: 4.41205 ug

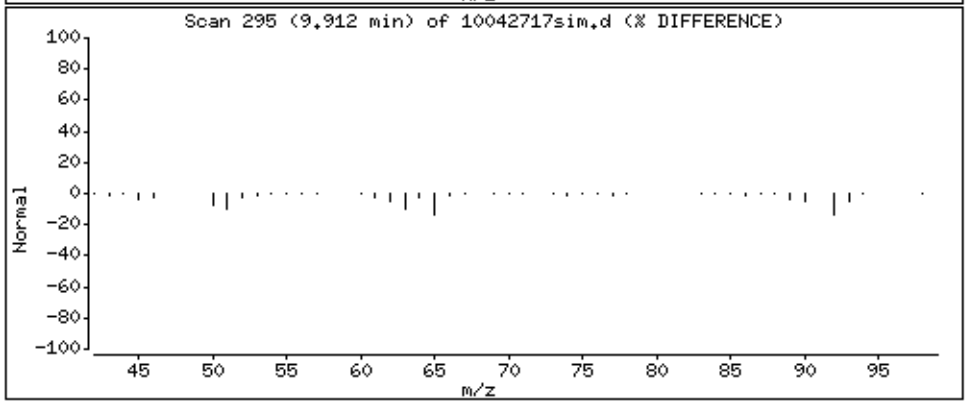












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

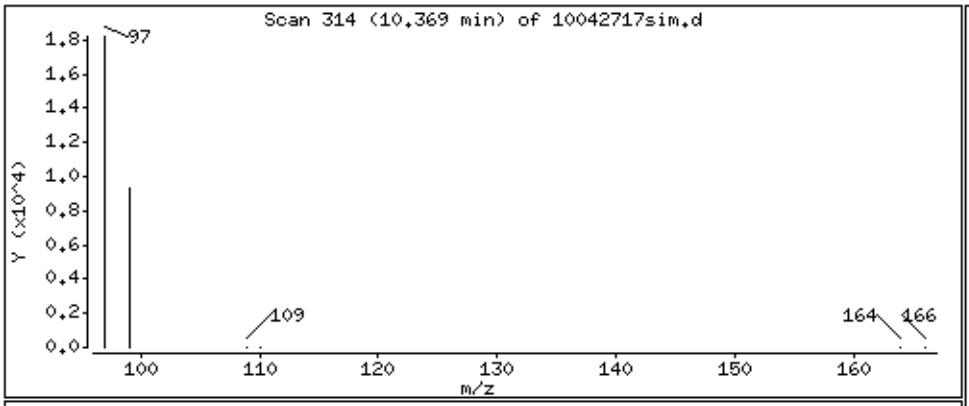
Operator: gm

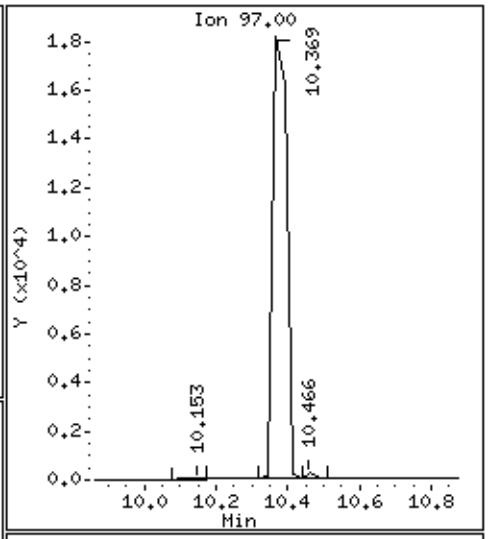
Column phase: DB-5.625

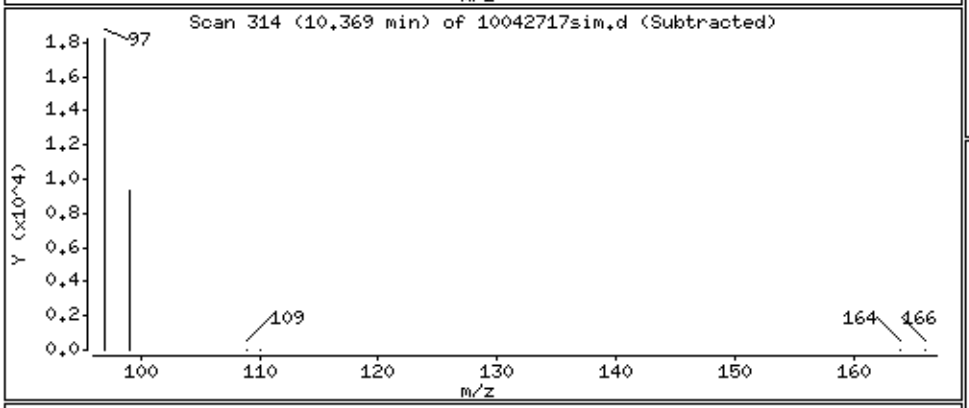
Column diameter: 0.25

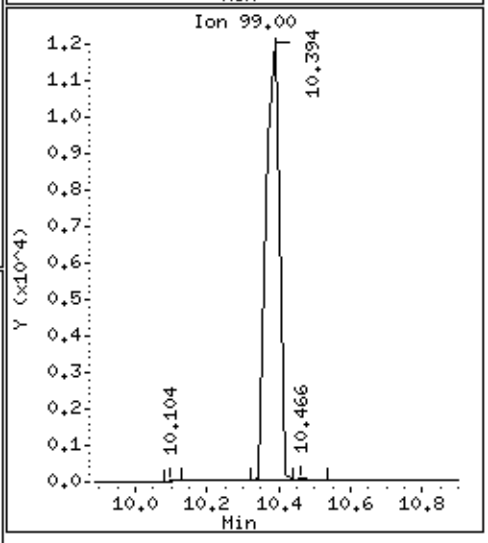
30 1,1,2-Trichloroethane

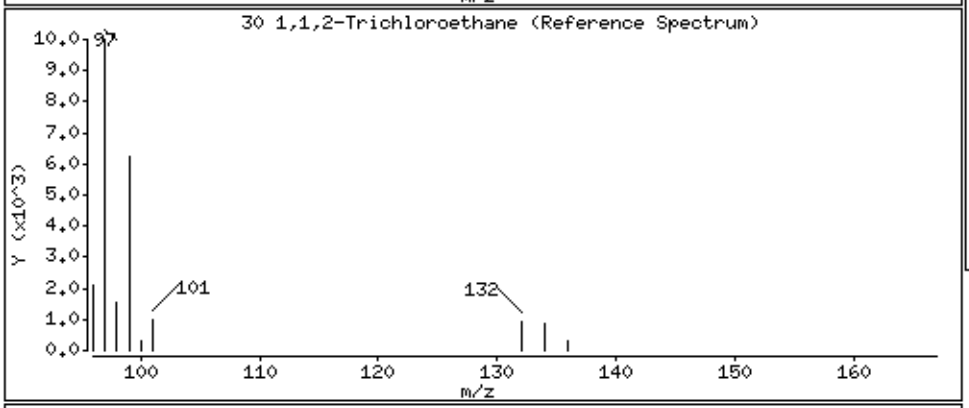
Concentration: 4.42228 ug

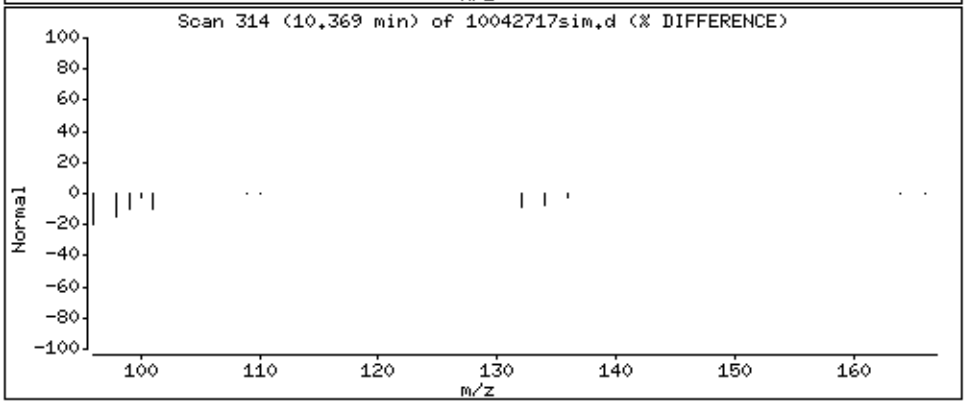












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

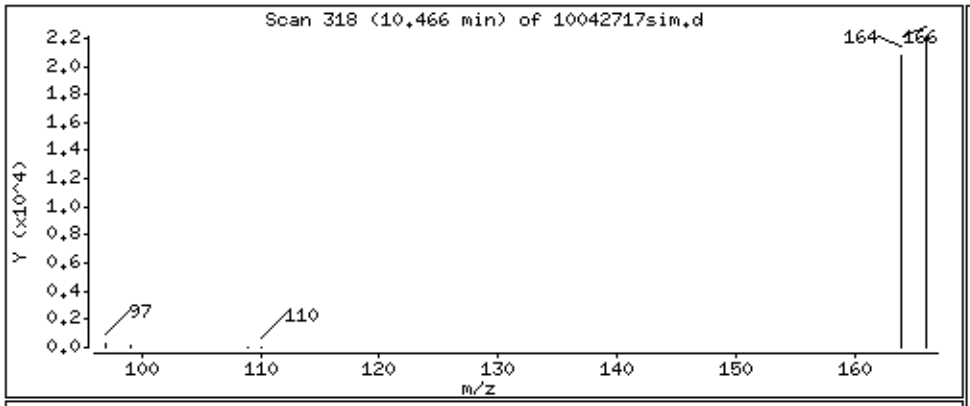
Operator: gm

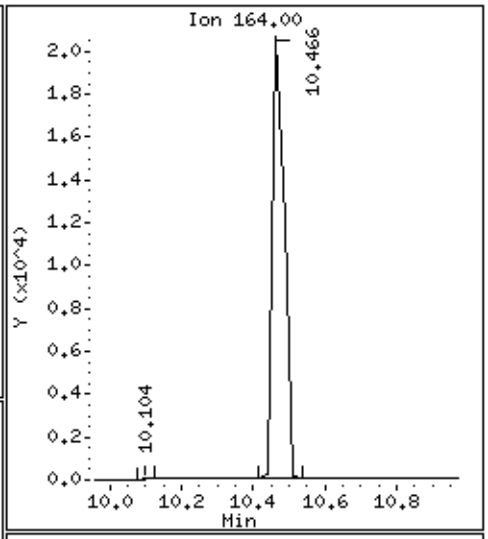
Column phase: DB-5.625

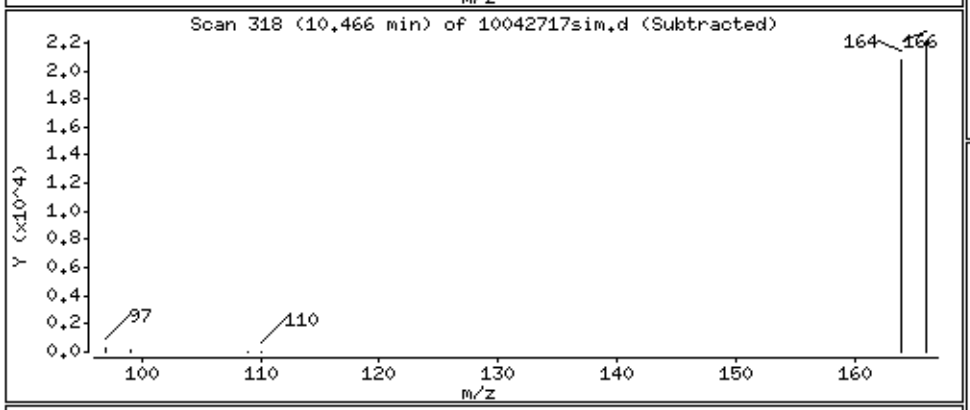
Column diameter: 0.25

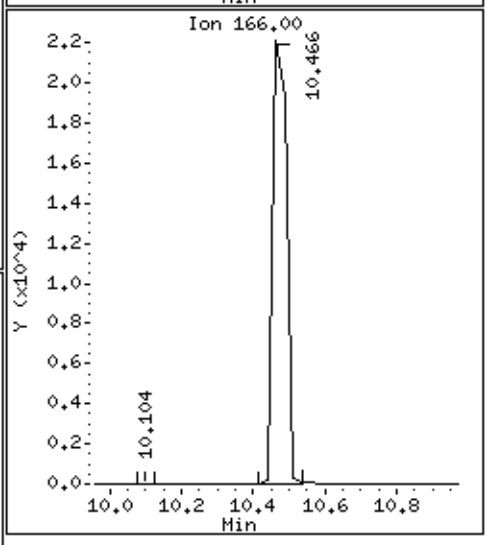
31 Tetrachloroethene

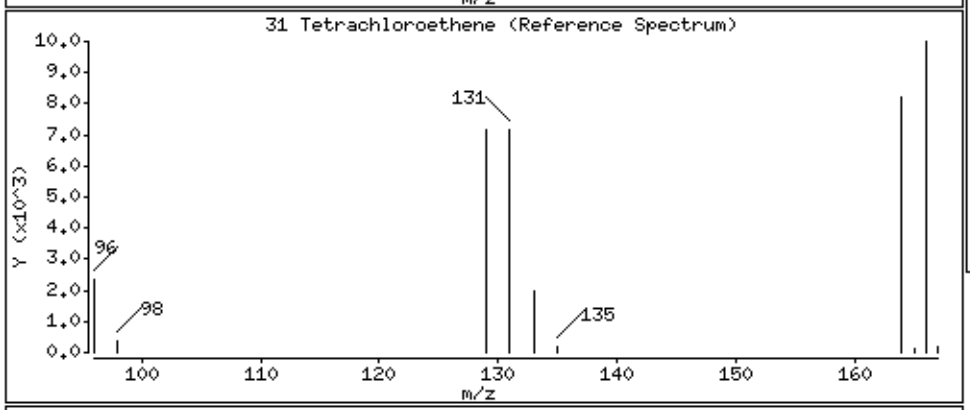
Concentration: 4.34797 ug

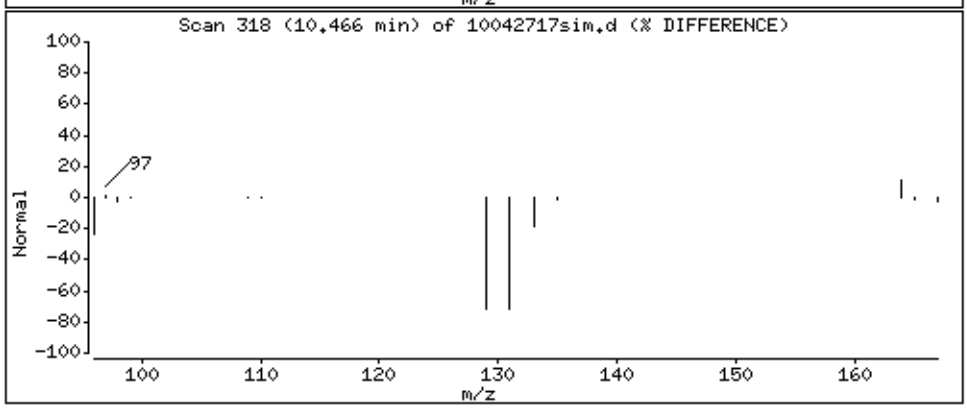












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

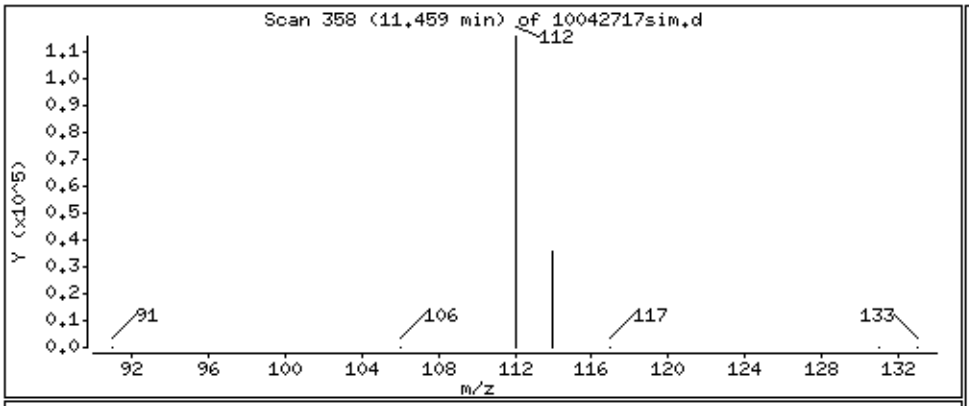
Operator: gm

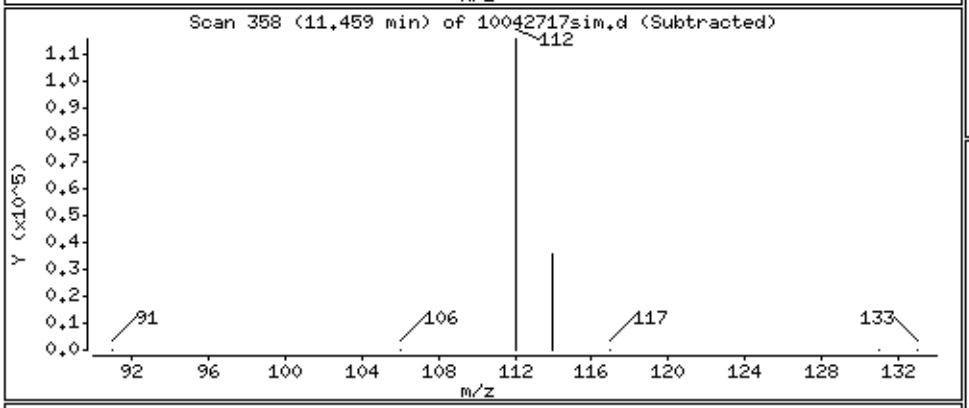
Column phase: DB-5.625

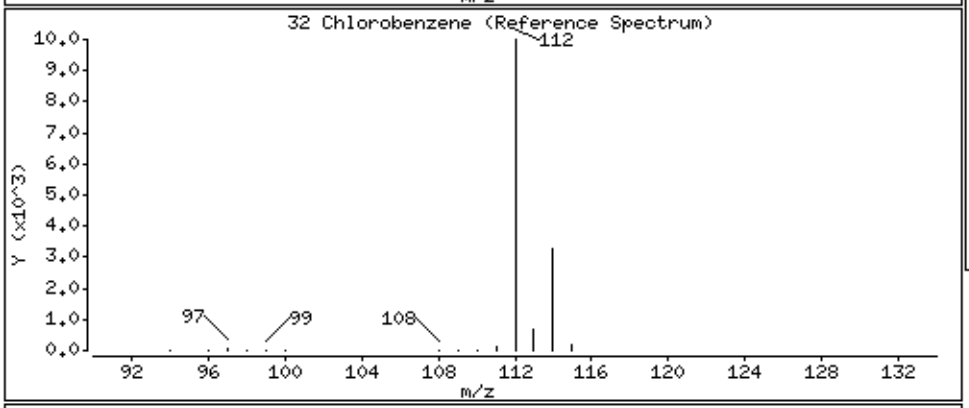
Column diameter: 0.25

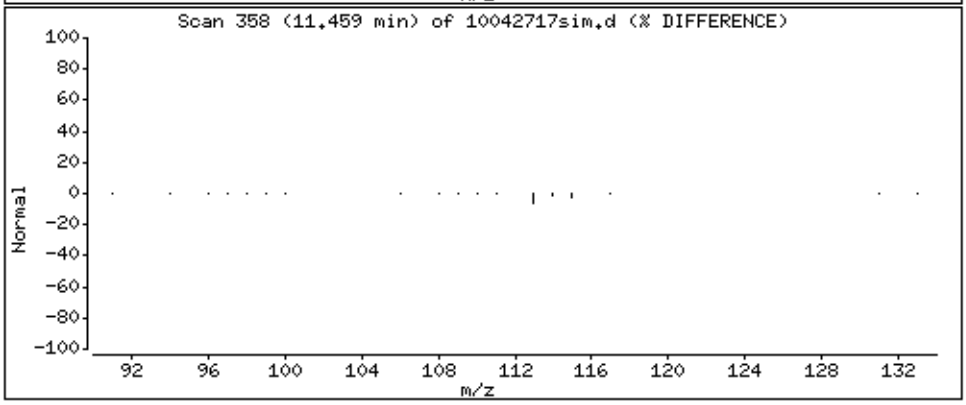
32 Chlorobenzene

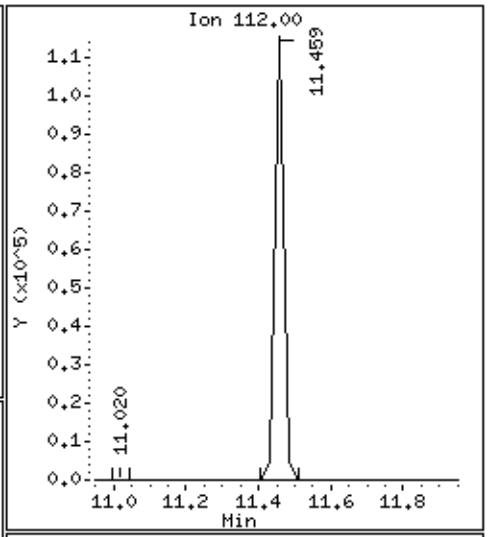
Concentration: 4.43842 ug

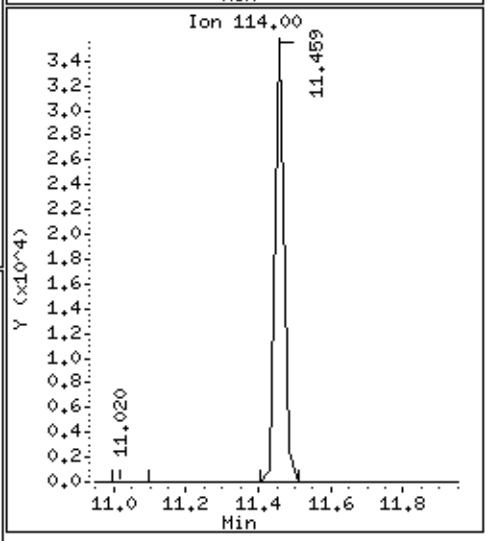












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

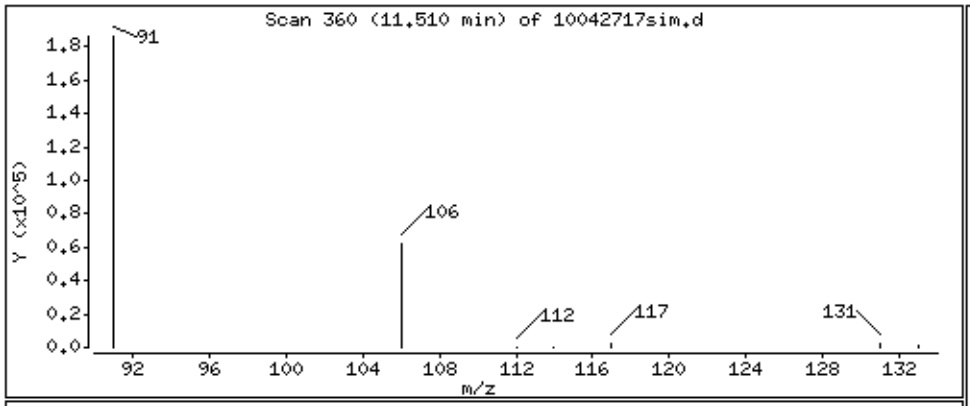
Operator: gm

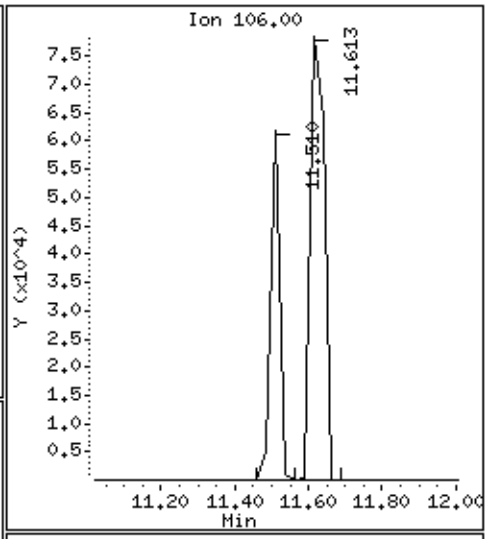
Column phase: DB-5.625

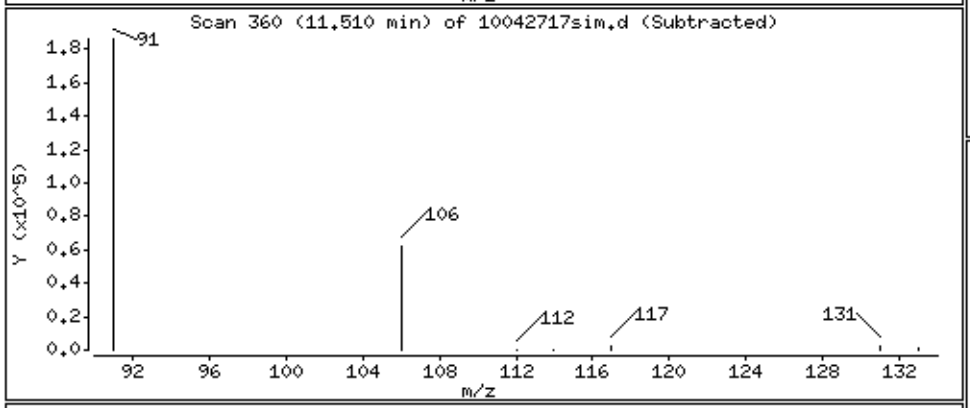
Column diameter: 0.25

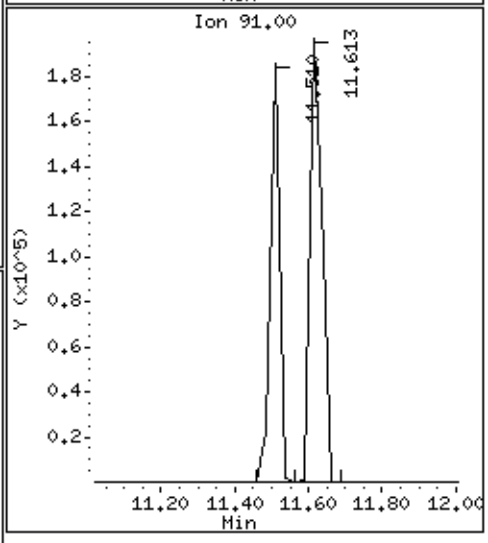
33 Ethylbenzene-CCC

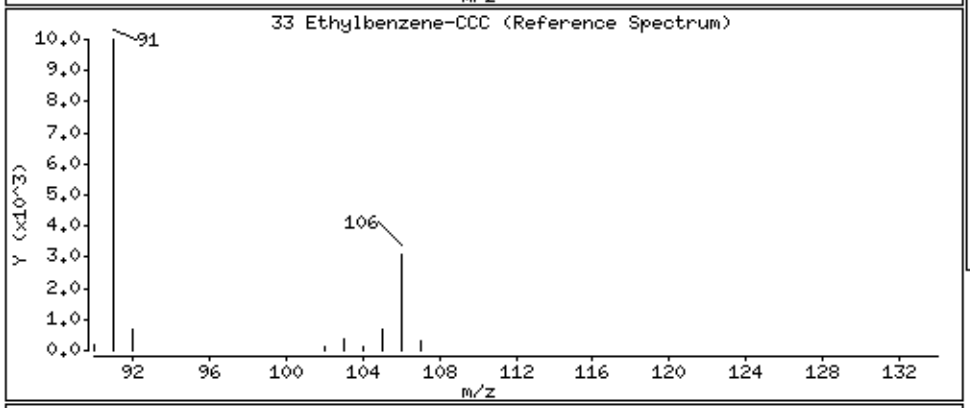
Concentration: 4.38691 ug

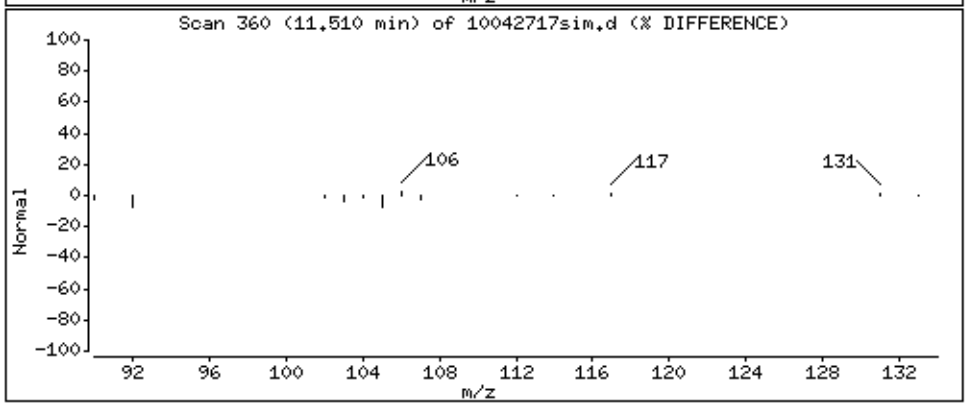












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

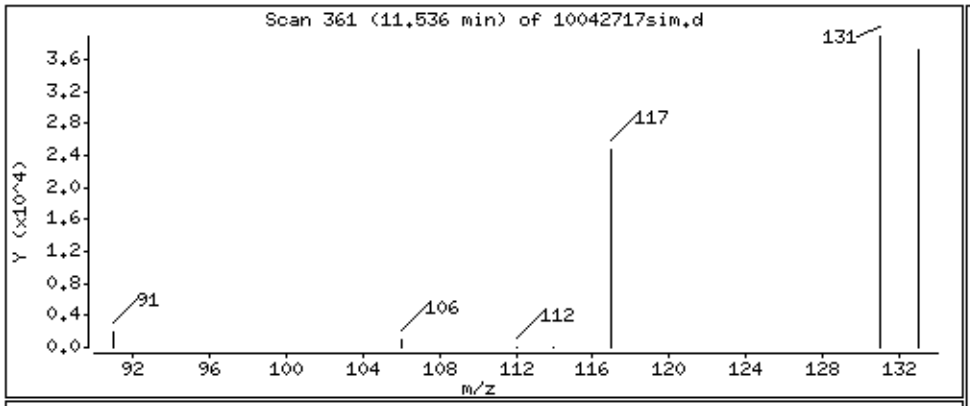
Operator: gm

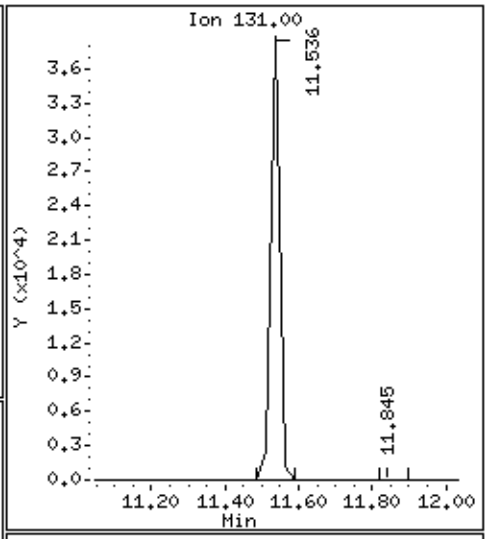
Column phase: DB-5.625

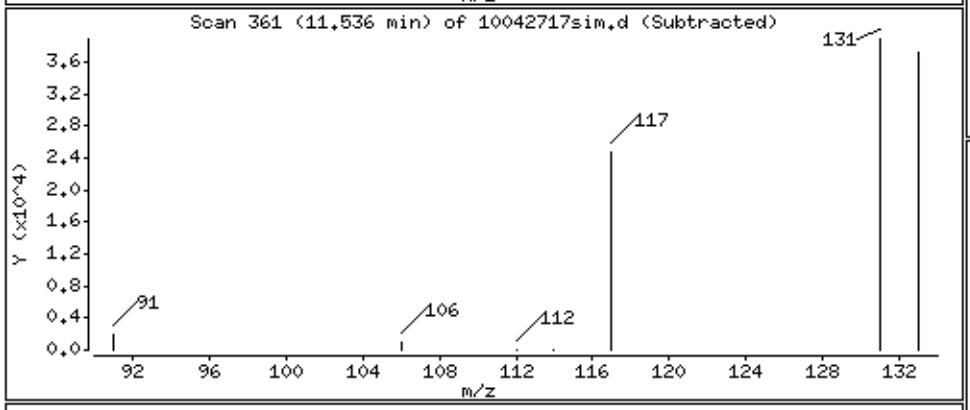
Column diameter: 0.25

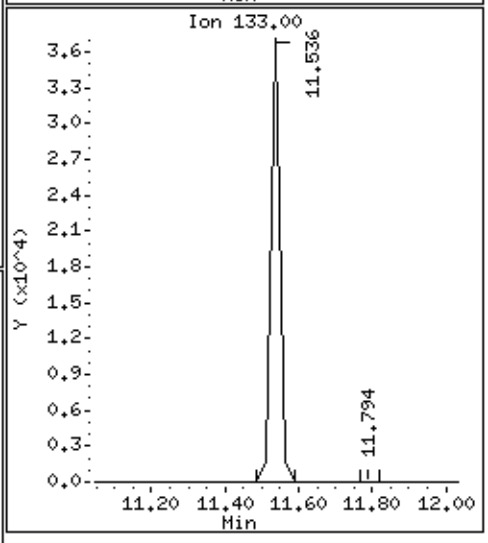
209 1,1,1,2-Tetrachloroethane

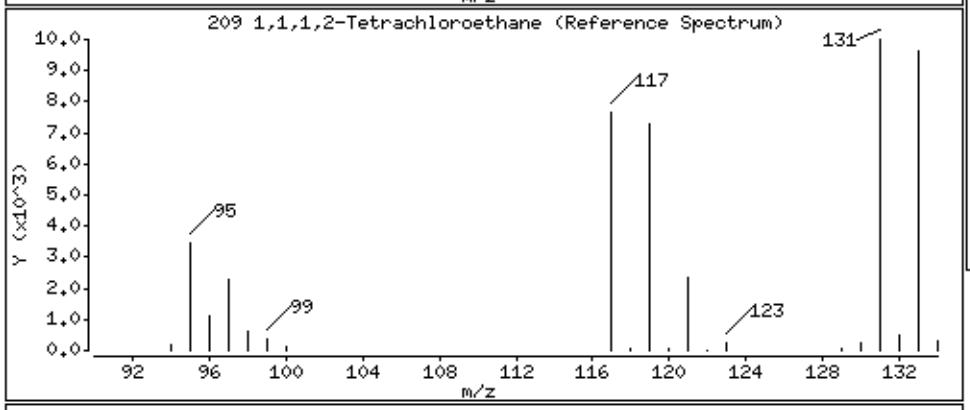
Concentration: 4.40712 ug

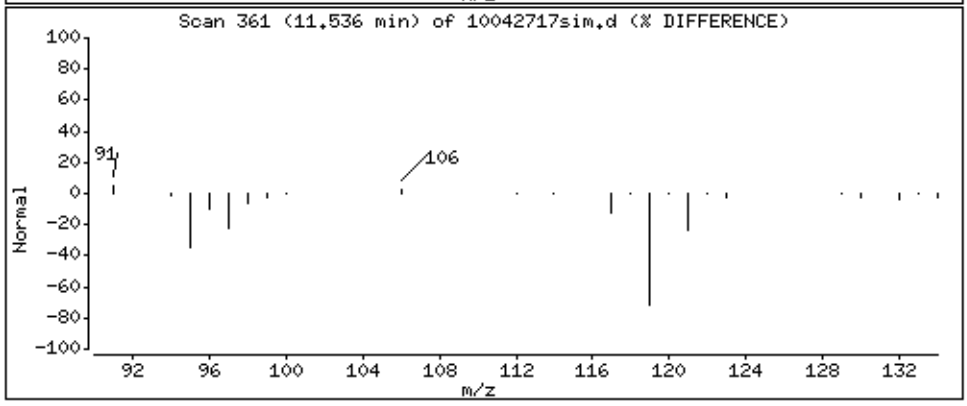












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

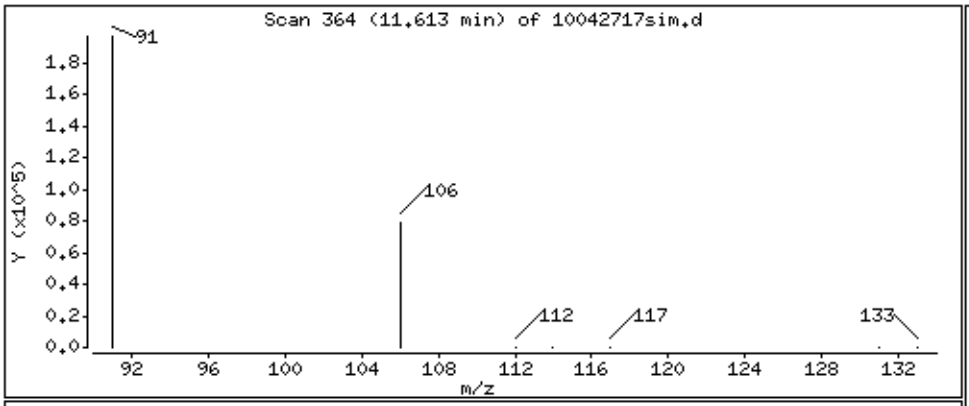
Operator: gm

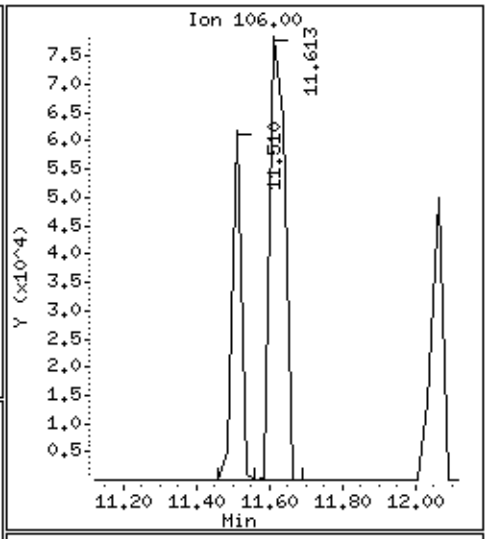
Column phase: DB-5.625

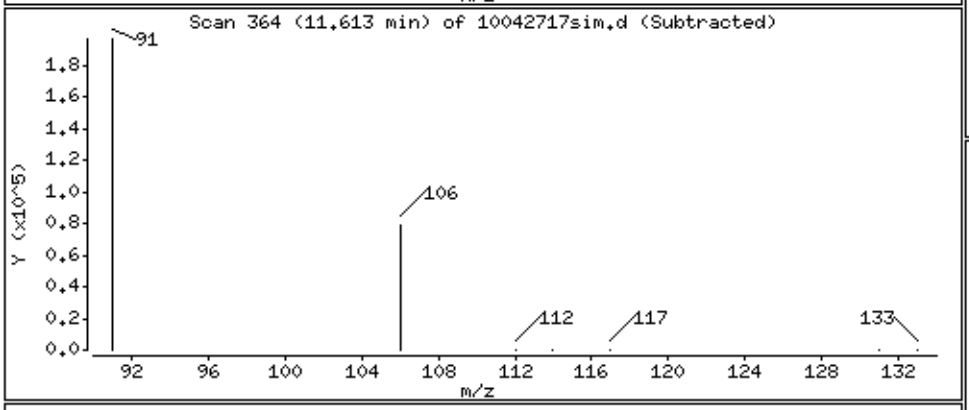
Column diameter: 0.25

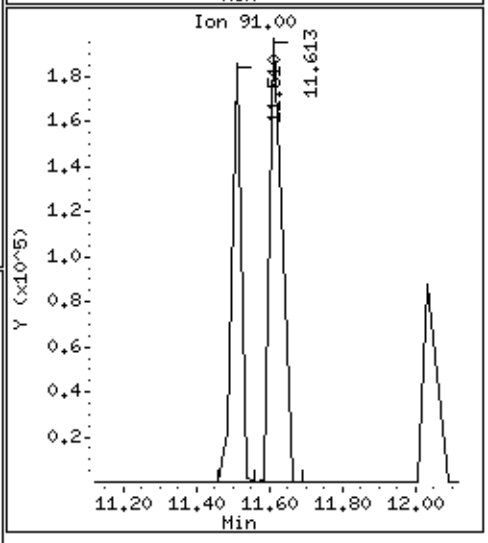
34 m,p-Xylene

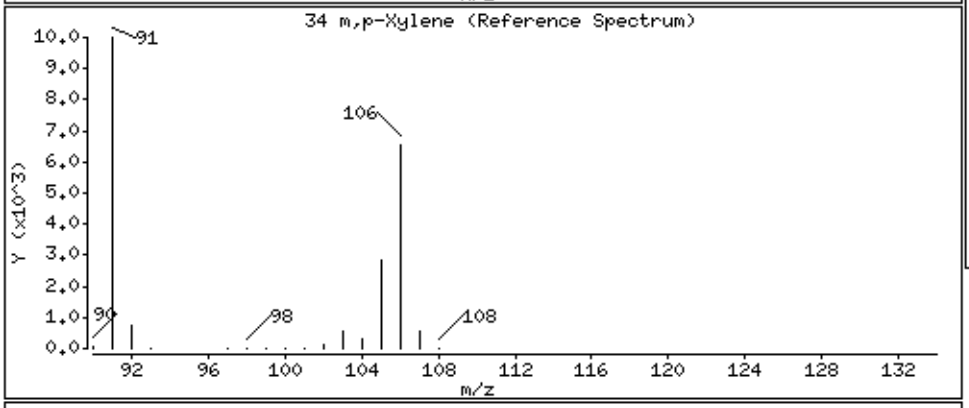
Concentration: 8.84556 ug

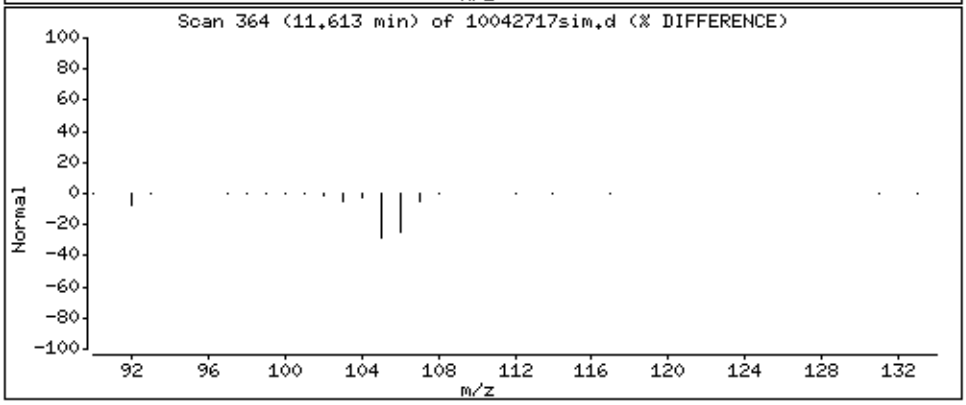












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

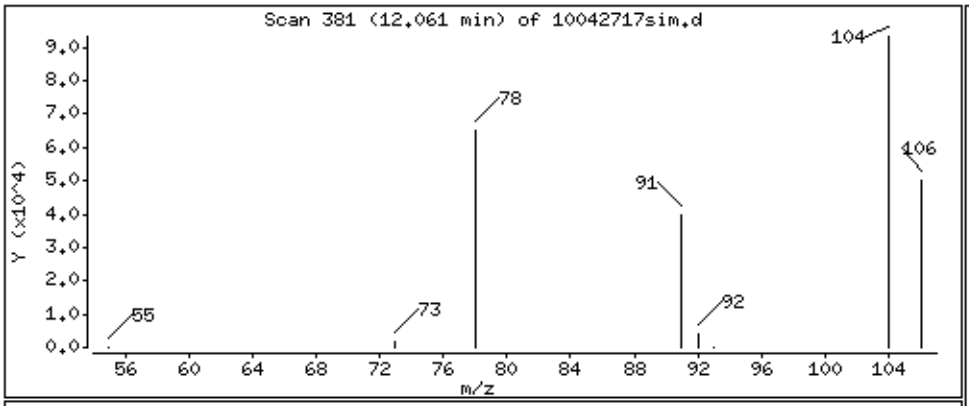
Operator: gm

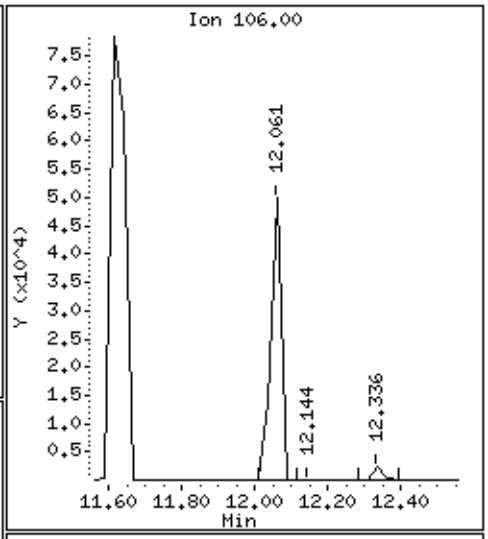
Column phase: DB-5.625

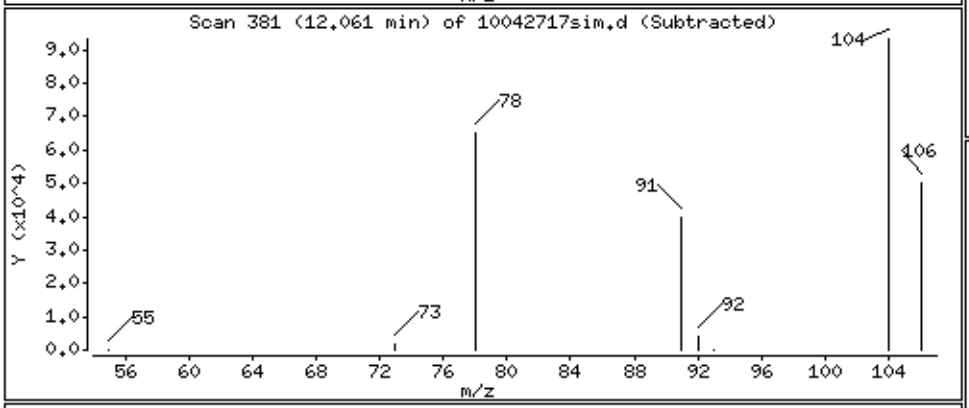
Column diameter: 0.25

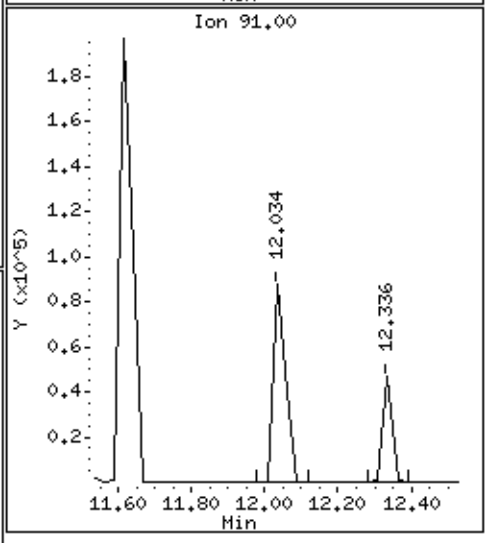
36 o-Xylene

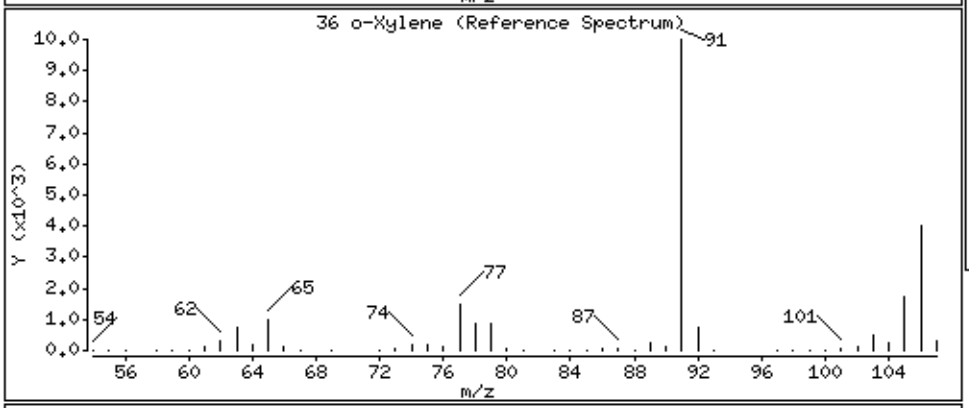
Concentration: 4.29526 ug

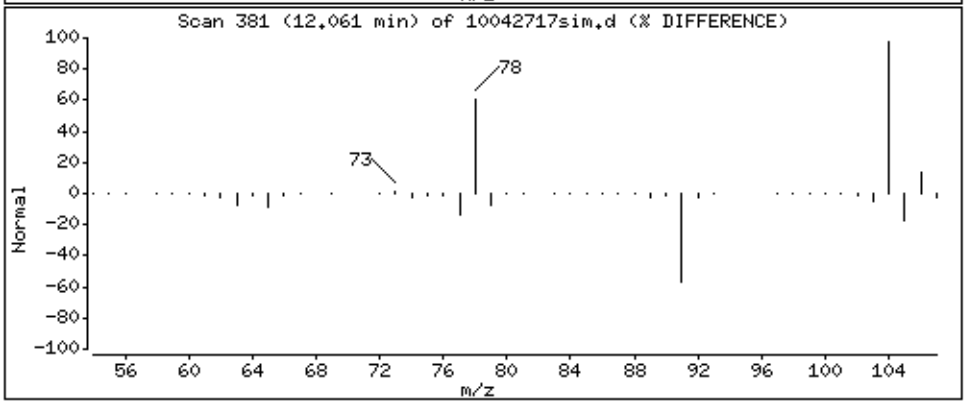












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

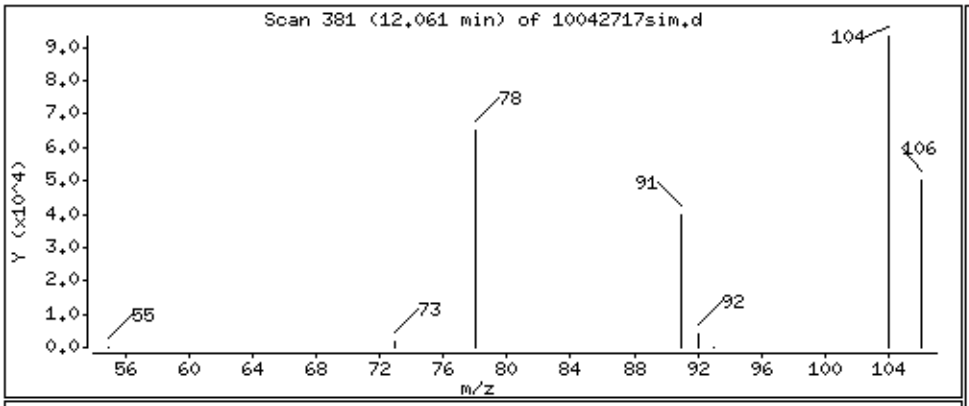
Operator: gm

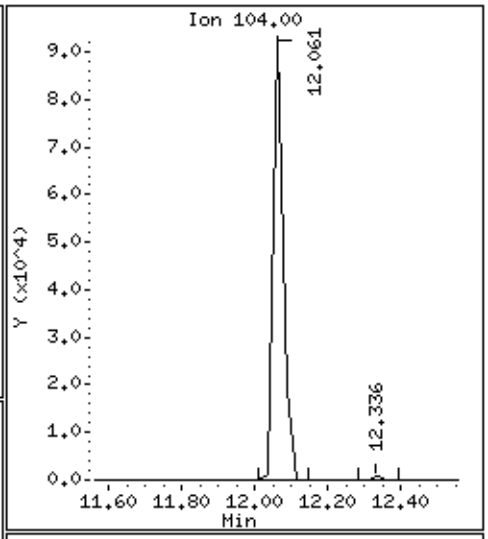
Column phase: DB-5.625

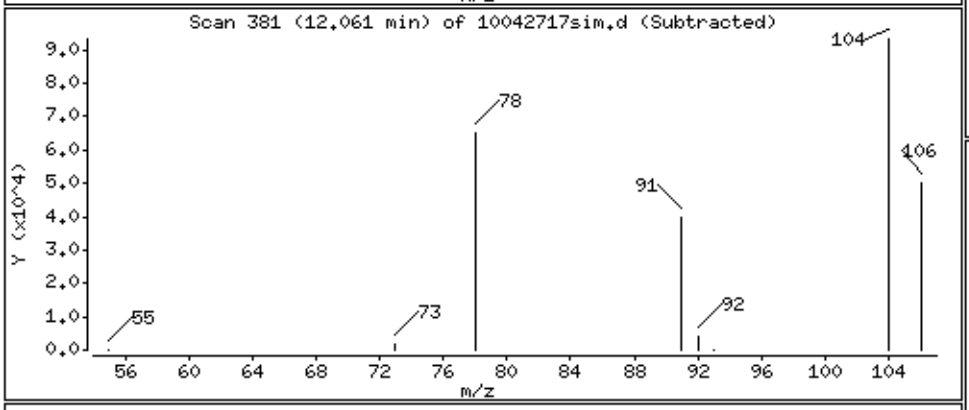
Column diameter: 0.25

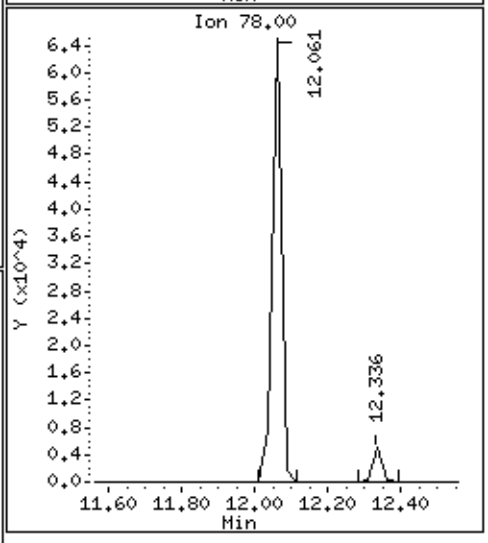
37 Styrene

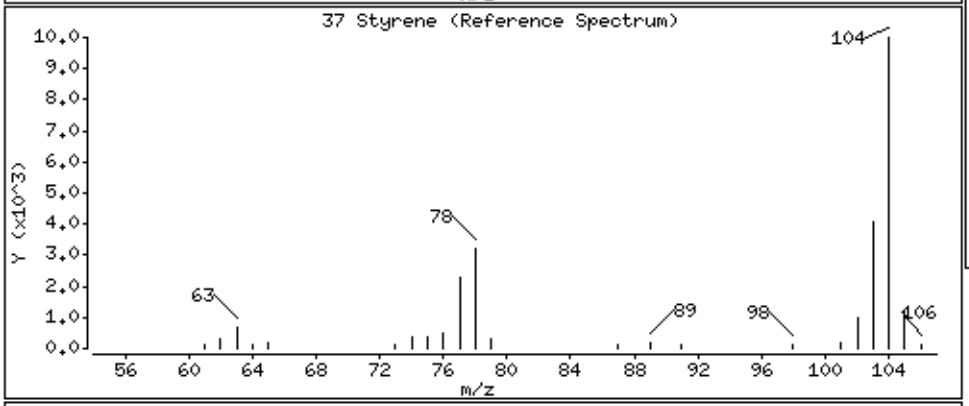
Concentration: 4.58696 ug

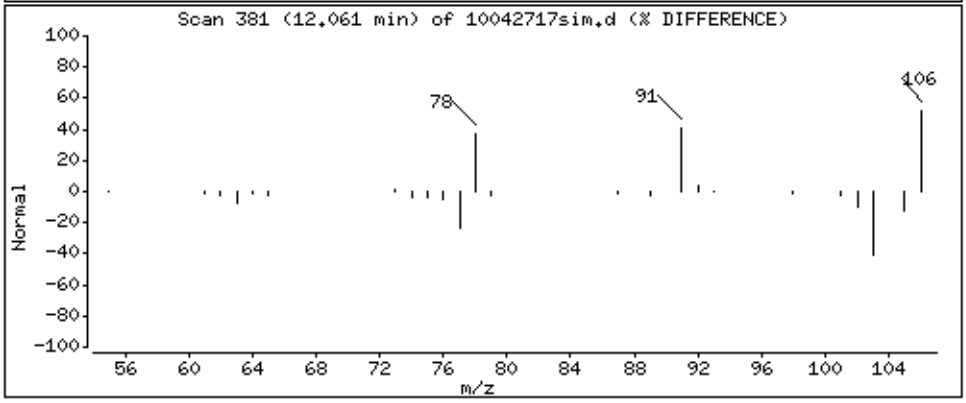












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

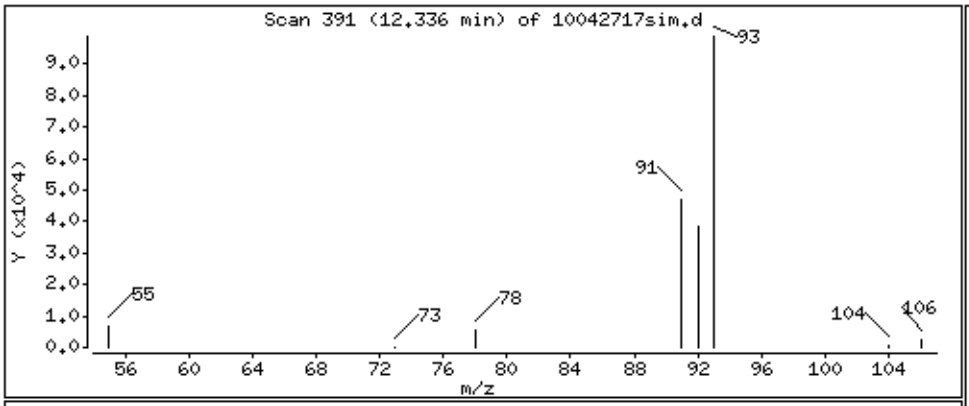
Operator: gm

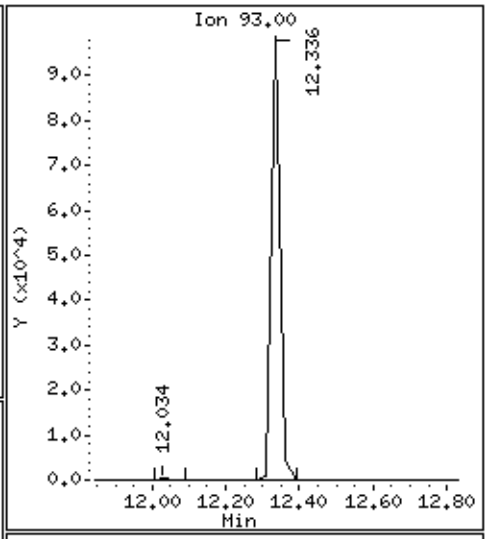
Column phase: DB-5.625

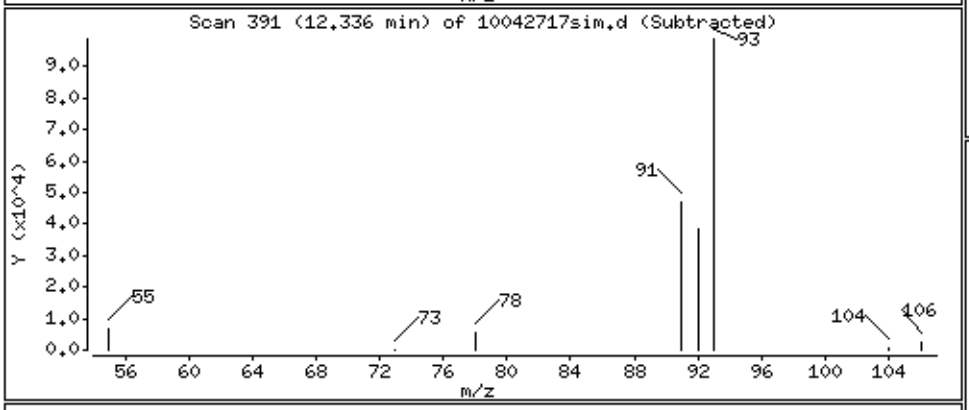
Column diameter: 0.25

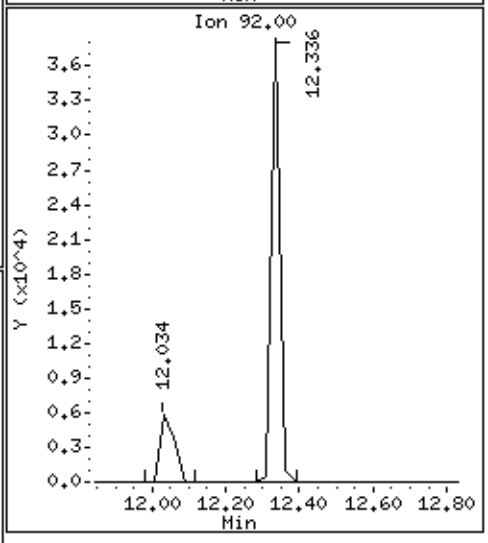
38 a-Pinene

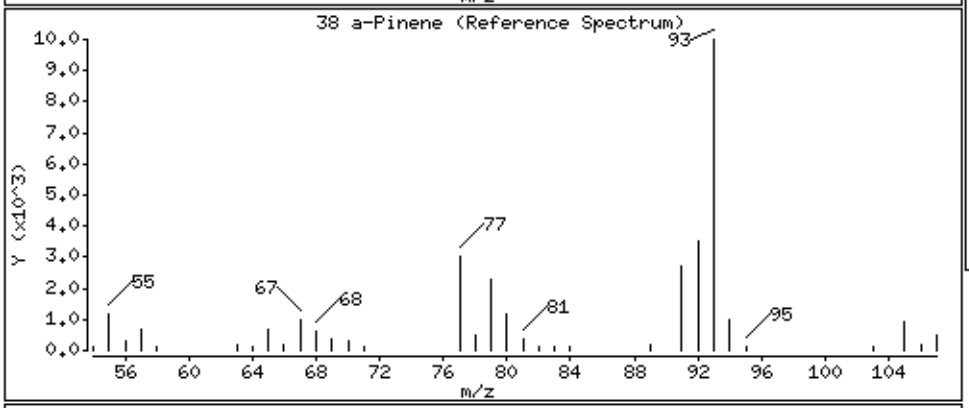
Concentration: 5.07613 ug

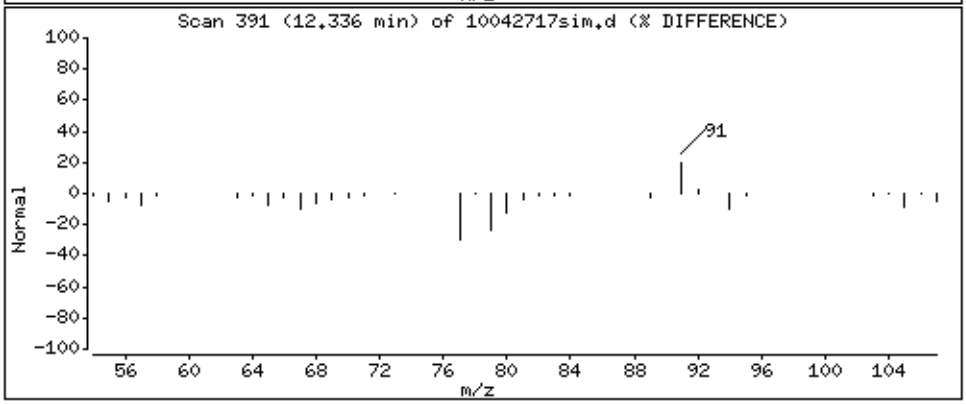












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

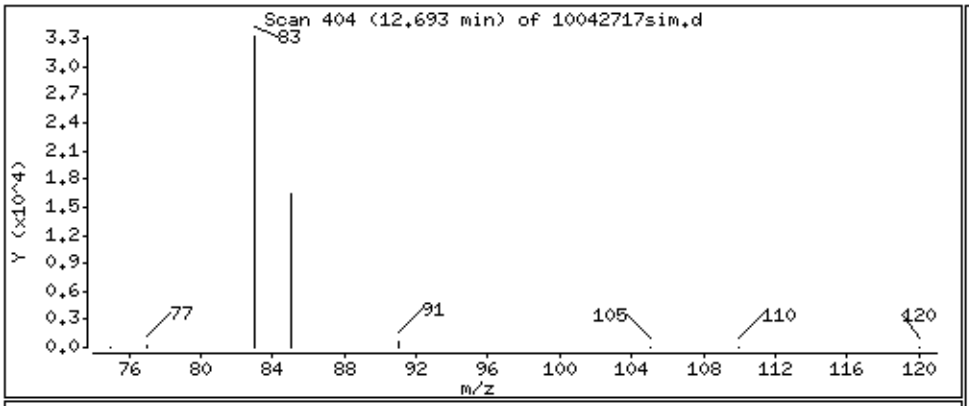
Operator: gm

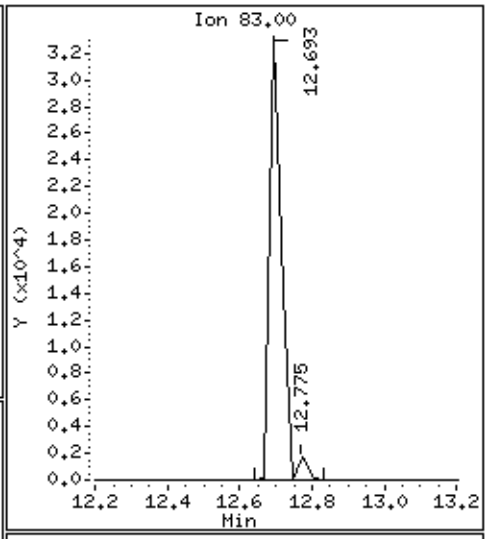
Column phase: DB-5.625

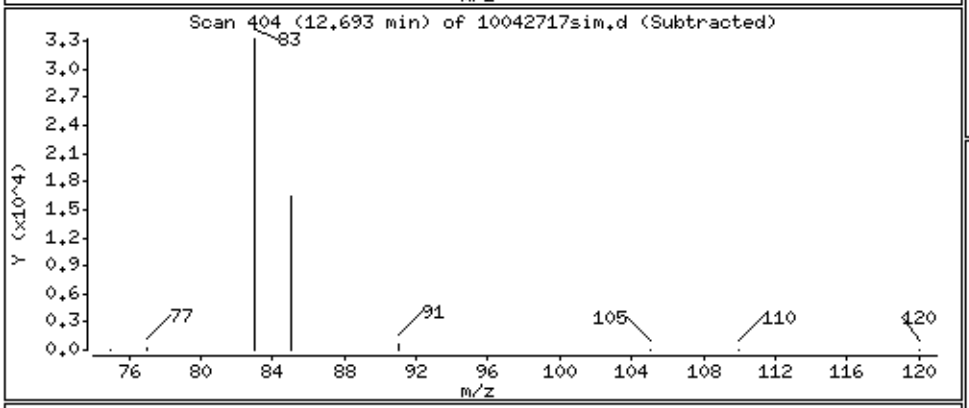
Column diameter: 0.25

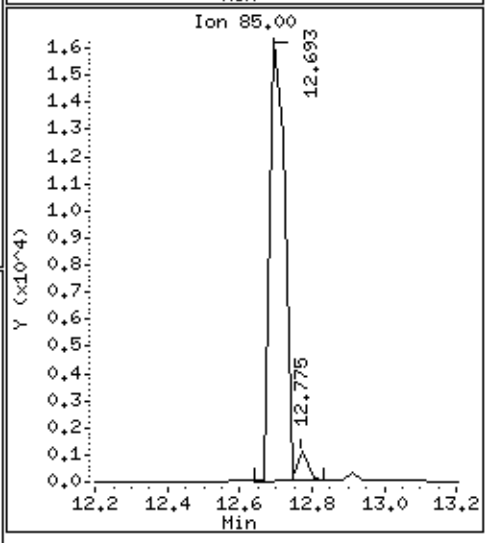
39 1,1,2,2-Tetrachloroethane-SPC

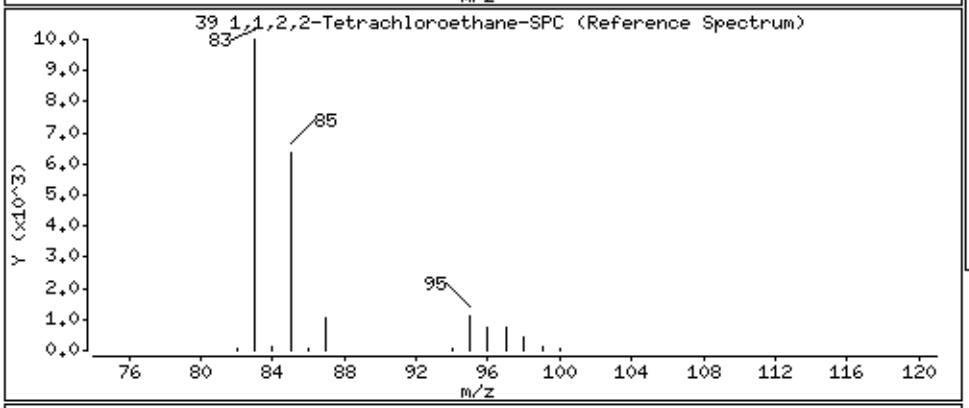
Concentration: 4.35216 ug

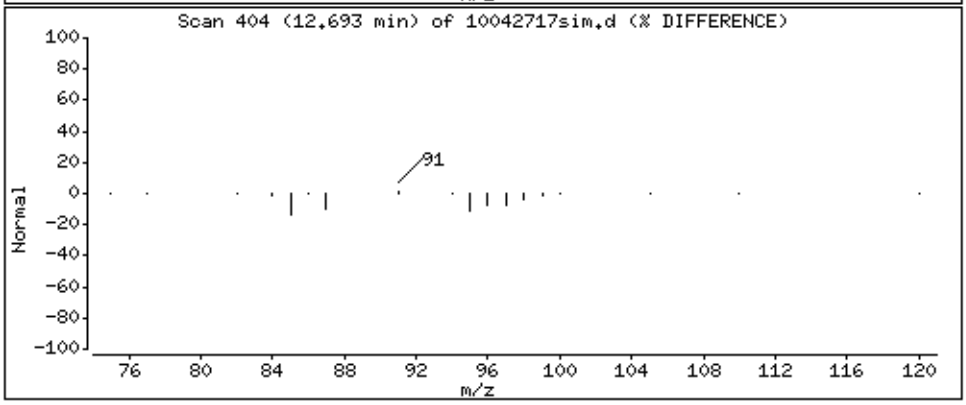












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

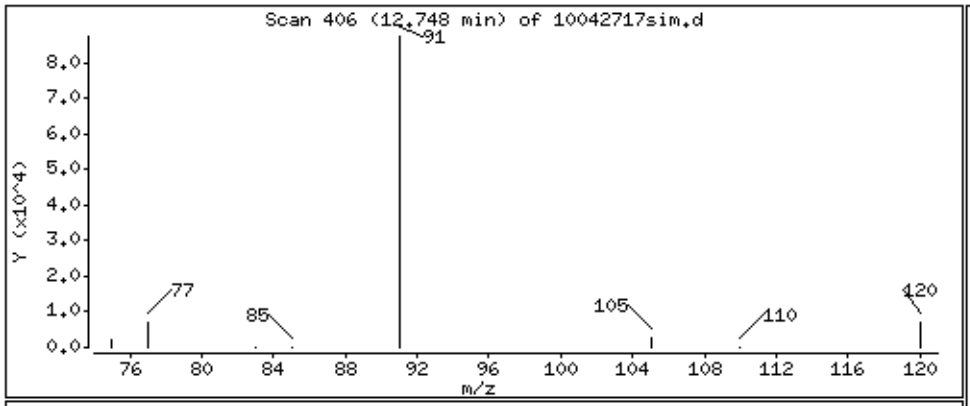
Operator: gm

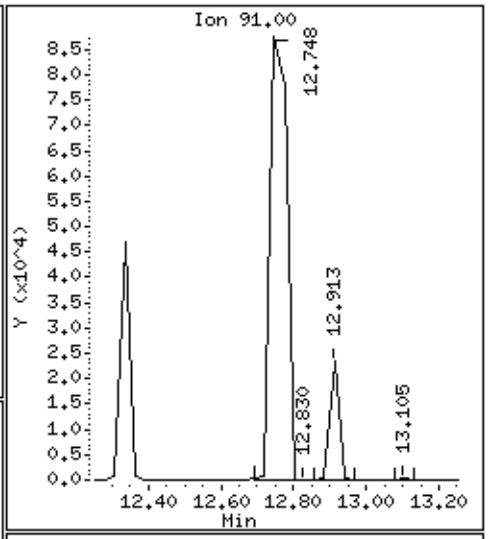
Column phase: DB-5.625

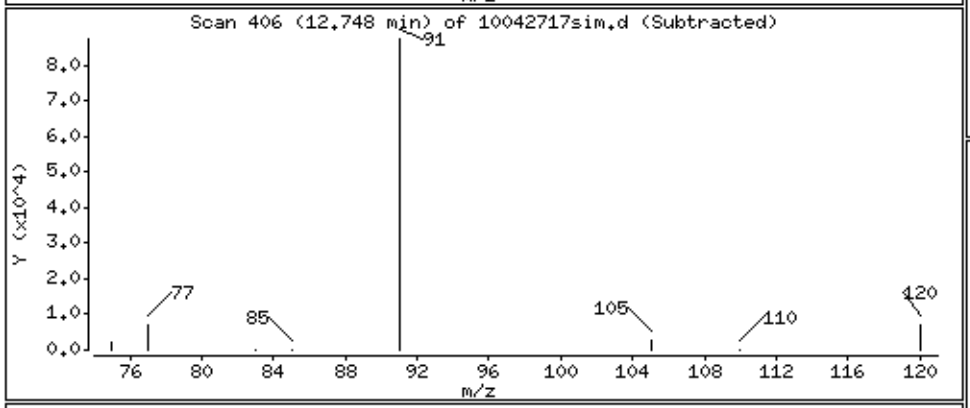
Column diameter: 0.25

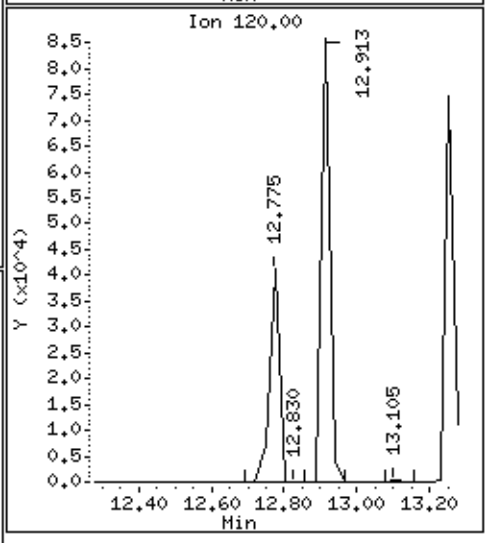
40 Propylbenzene

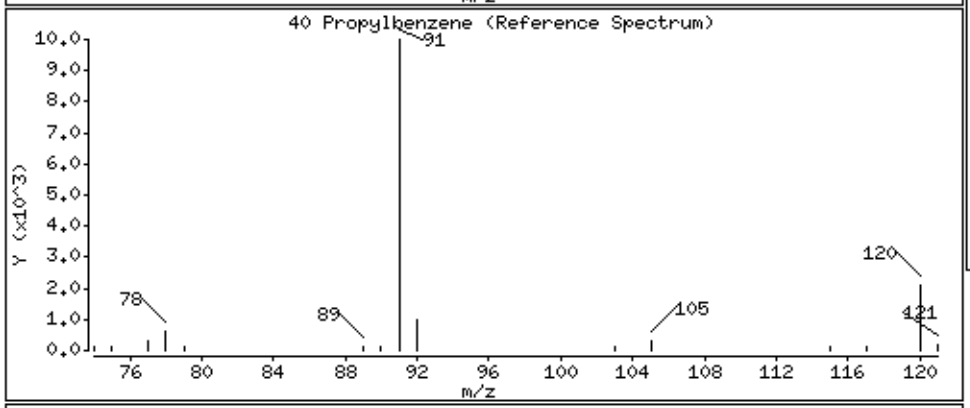
Concentration: 4.26662 ug

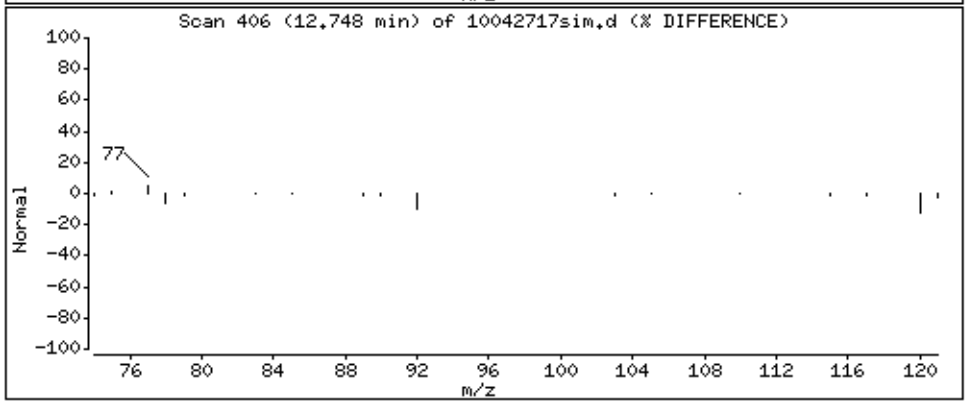












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

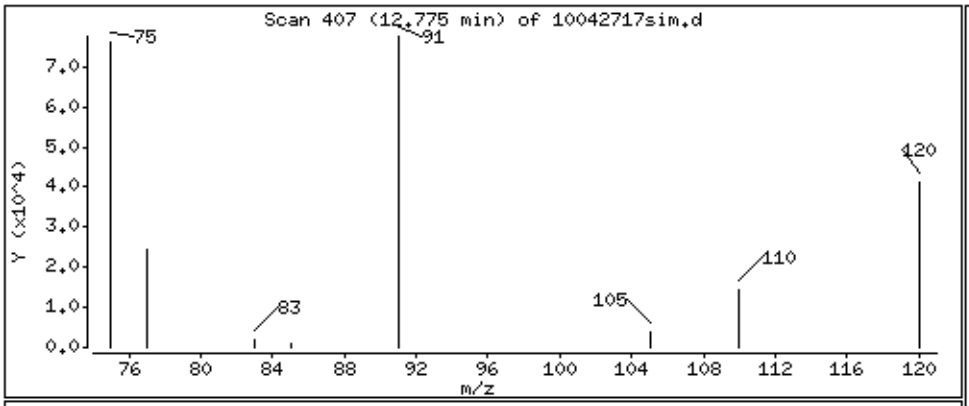
Operator: gm

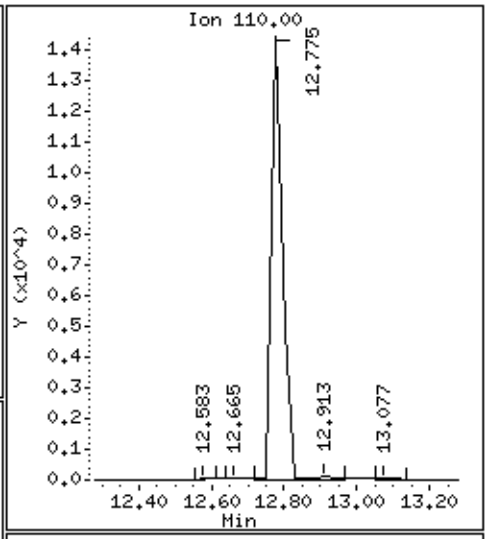
Column phase: DB-5.625

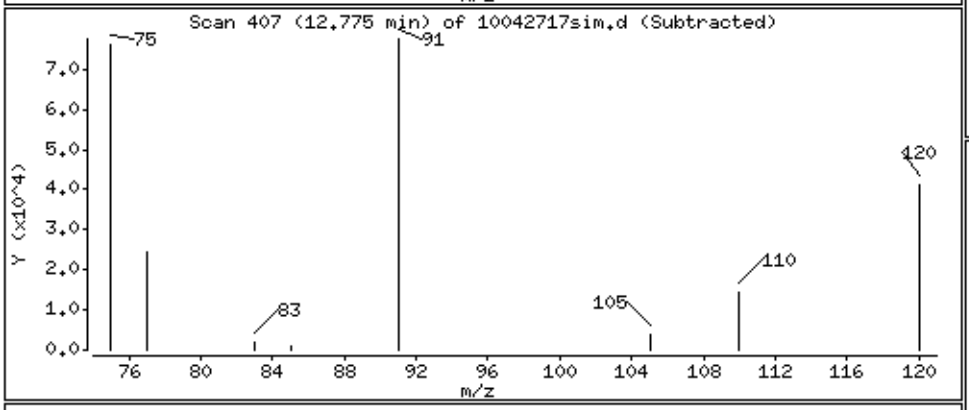
Column diameter: 0.25

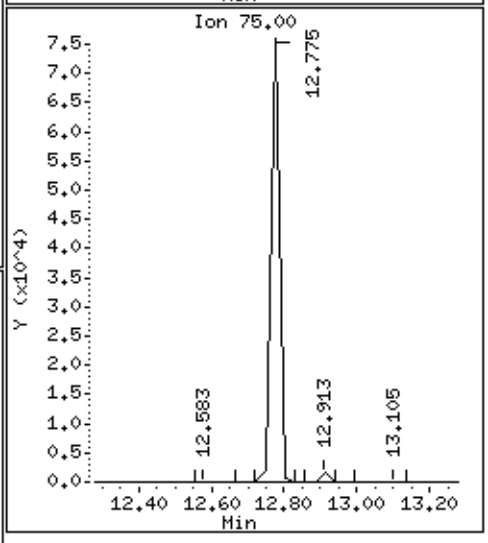
210 1,2,3-Trichloropropane

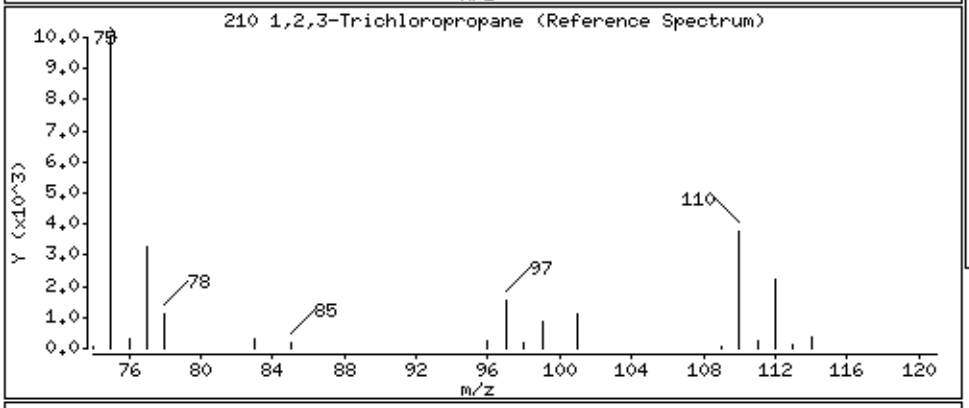
Concentration: 4.38718 ug

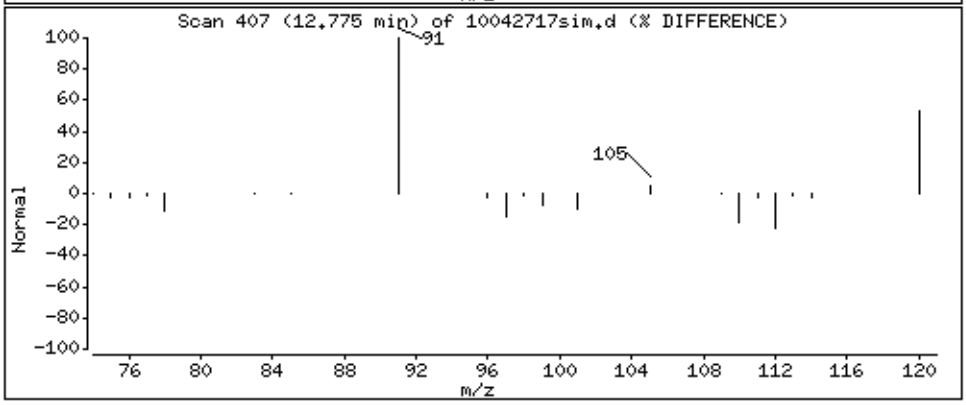












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

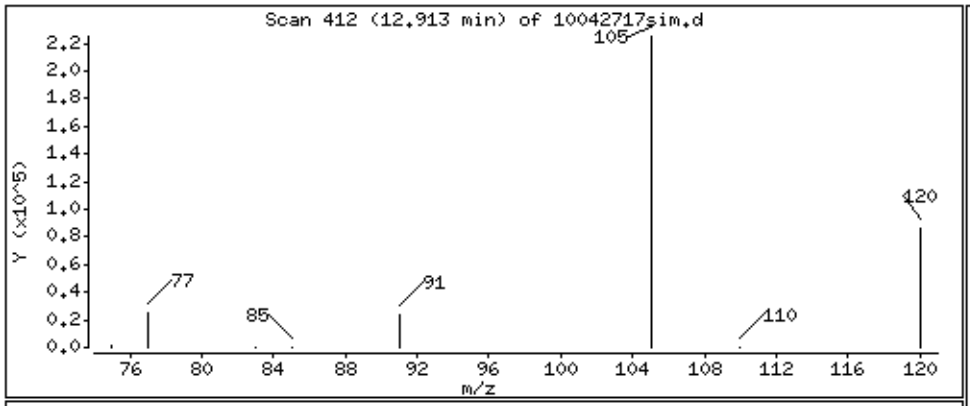
Operator: gm

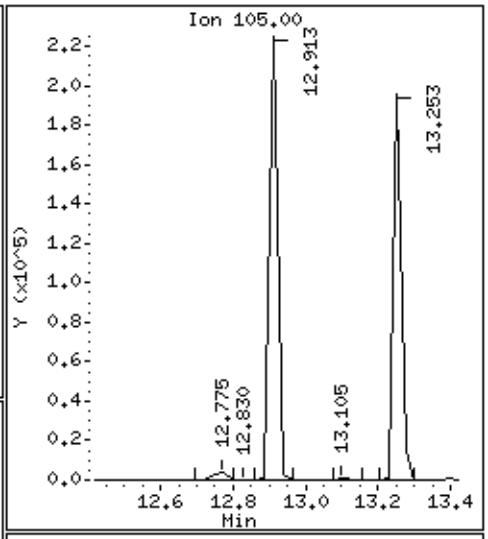
Column phase: DB-5.625

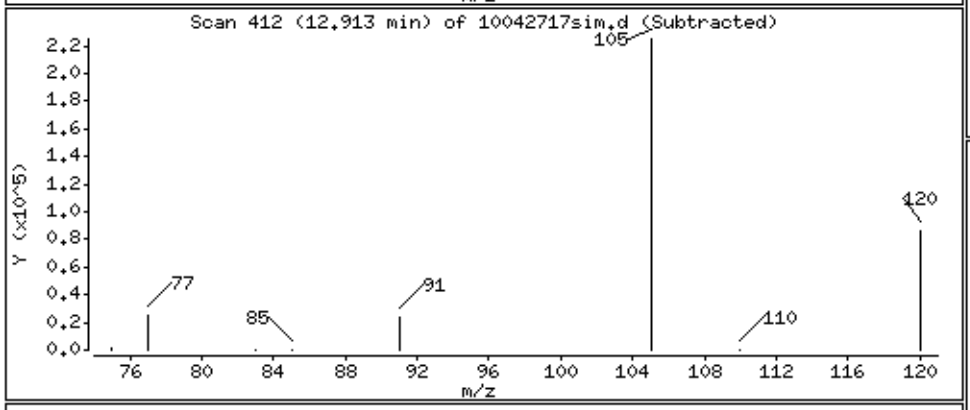
Column diameter: 0.25

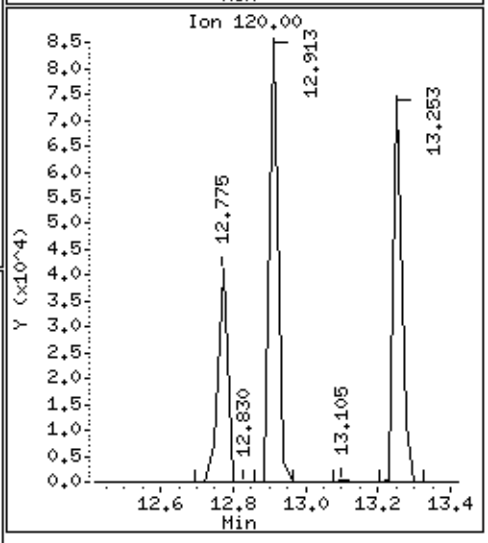
41 1,3,5-Trimethylbenzene

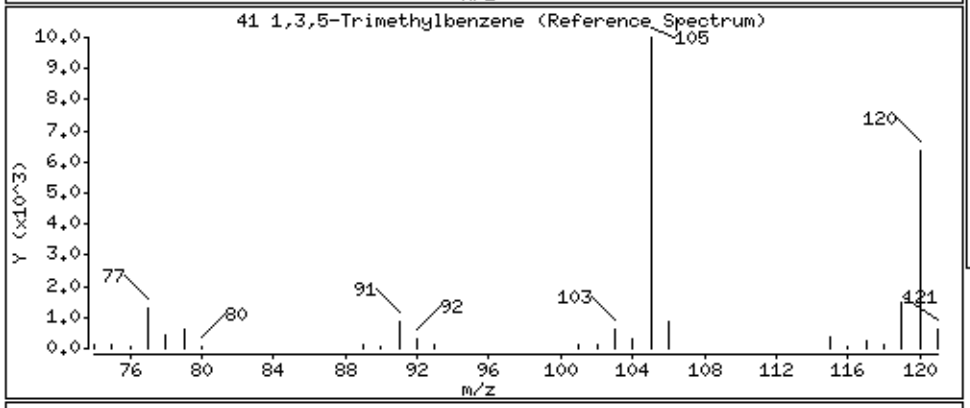
Concentration: 4.76306 ug

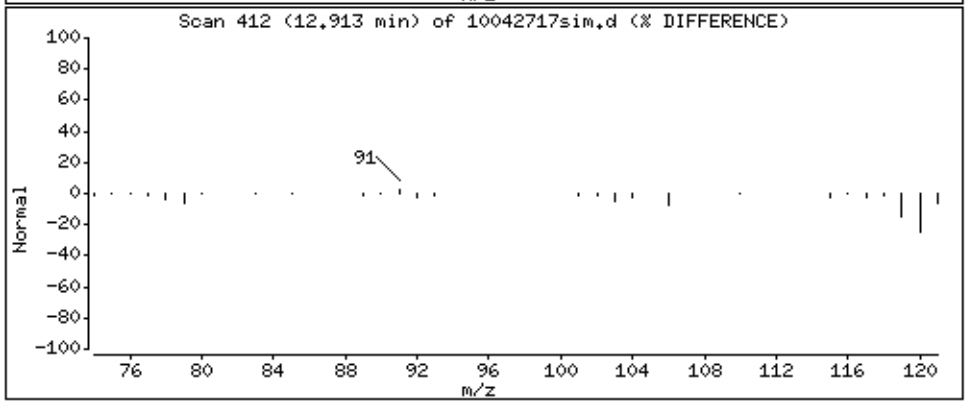












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

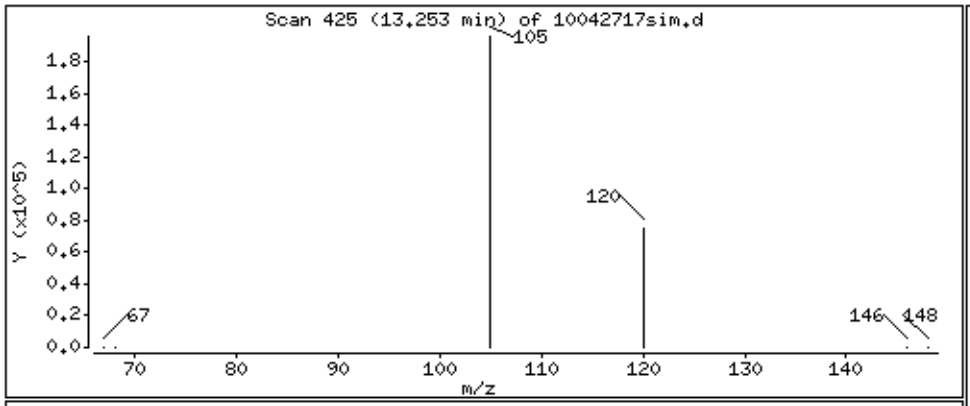
Operator: gm

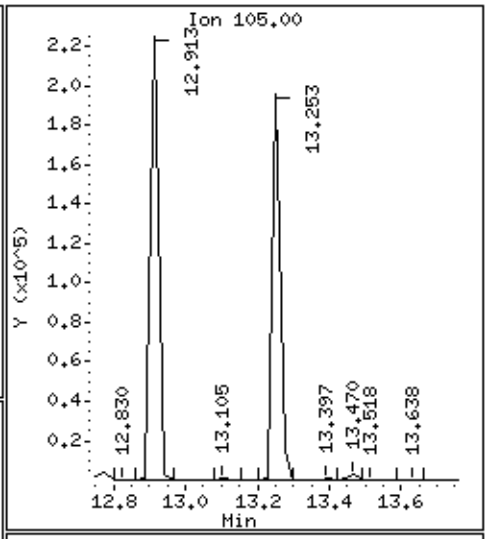
Column phase: DB-5.625

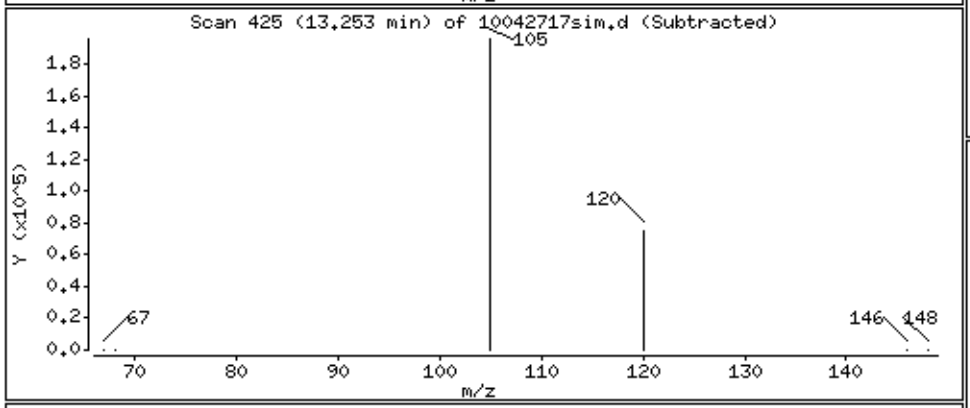
Column diameter: 0.25

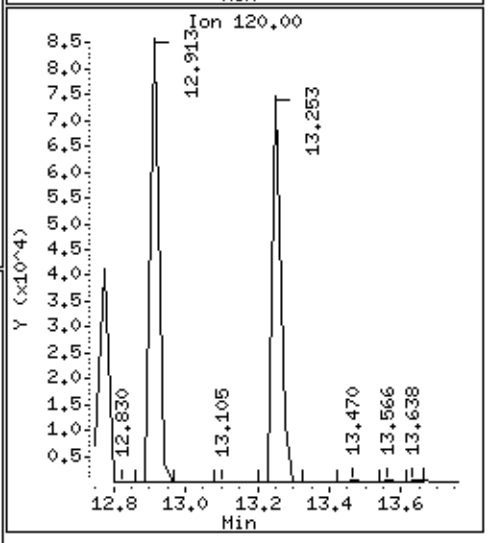
42 1,2,4-Trimethylbenzene

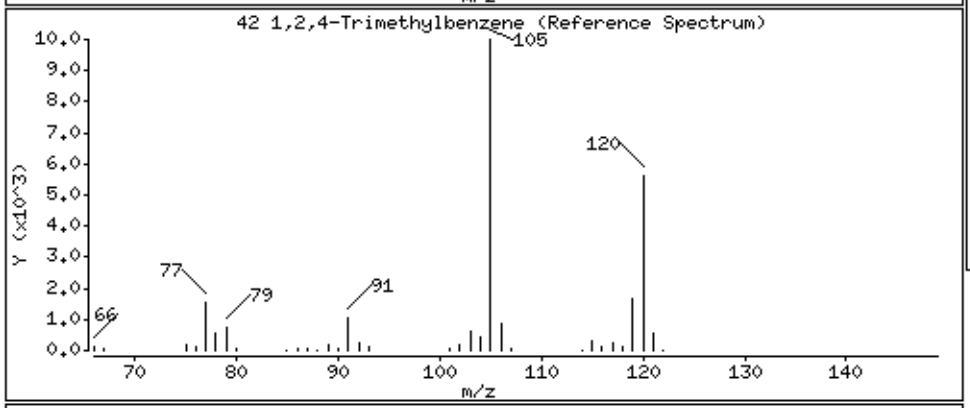
Concentration: 4.65958 ug

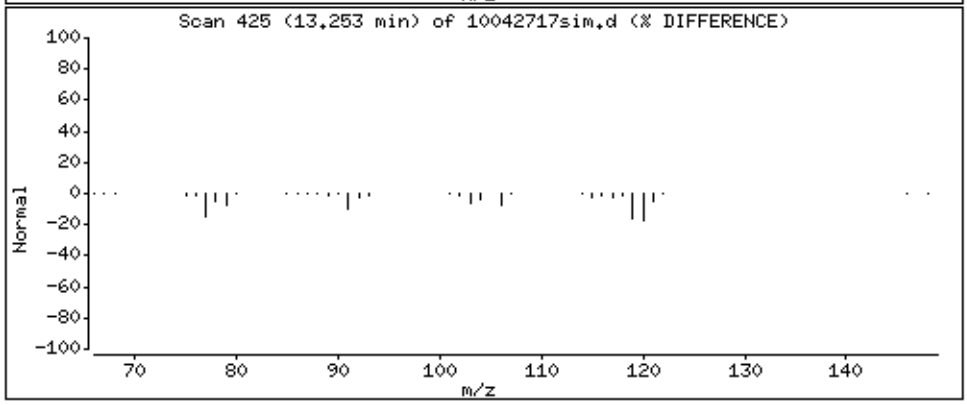












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

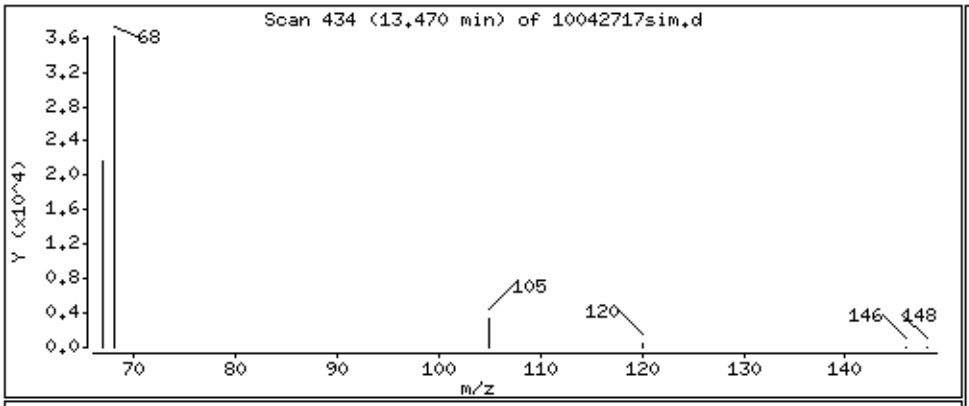
Operator: gm

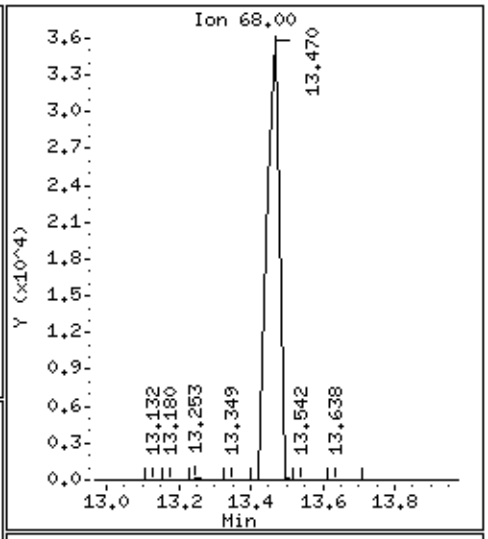
Column phase: DB-5.625

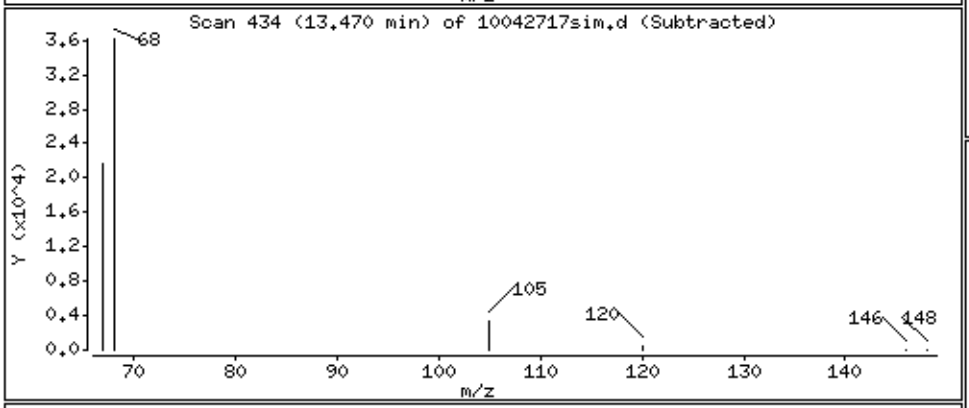
Column diameter: 0.25

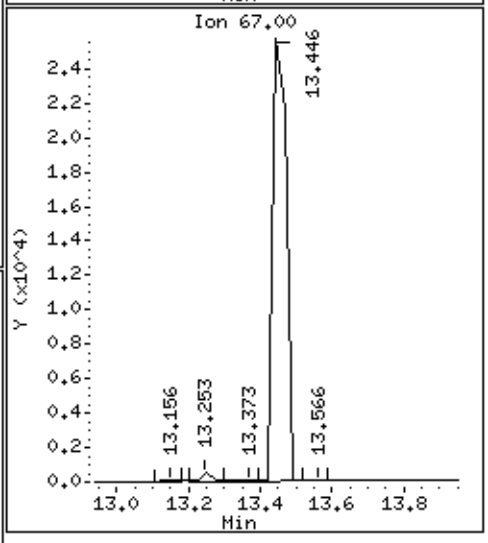
43 R-(+)-Limonene

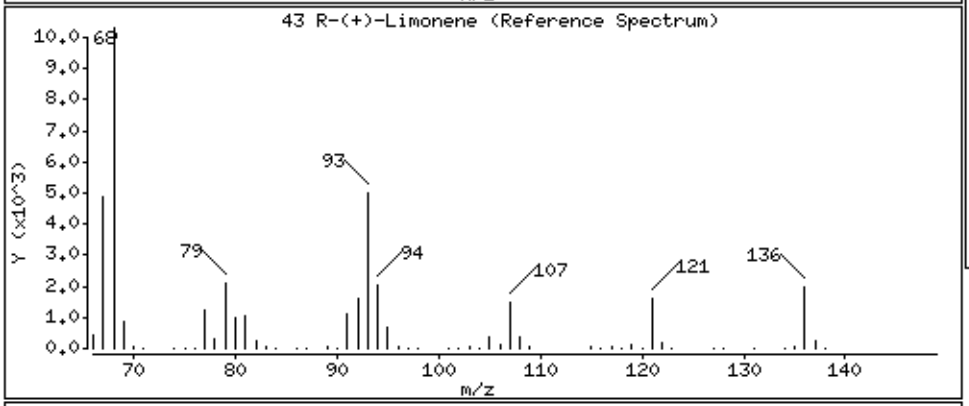
Concentration: 4.53449 ug

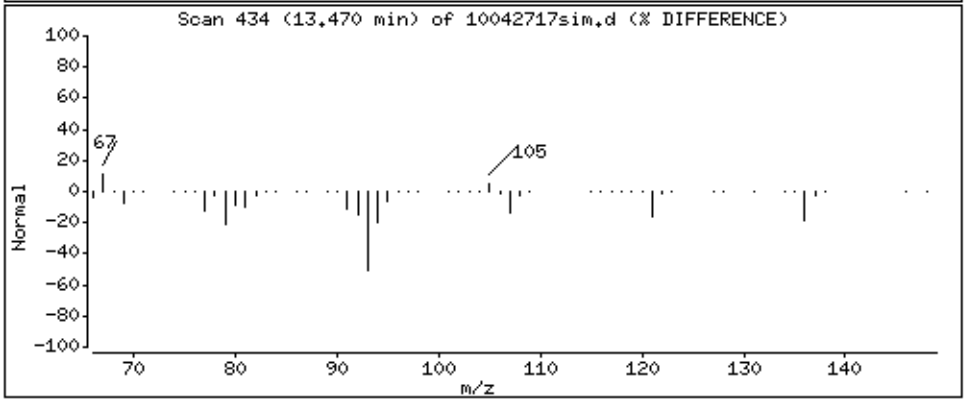












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

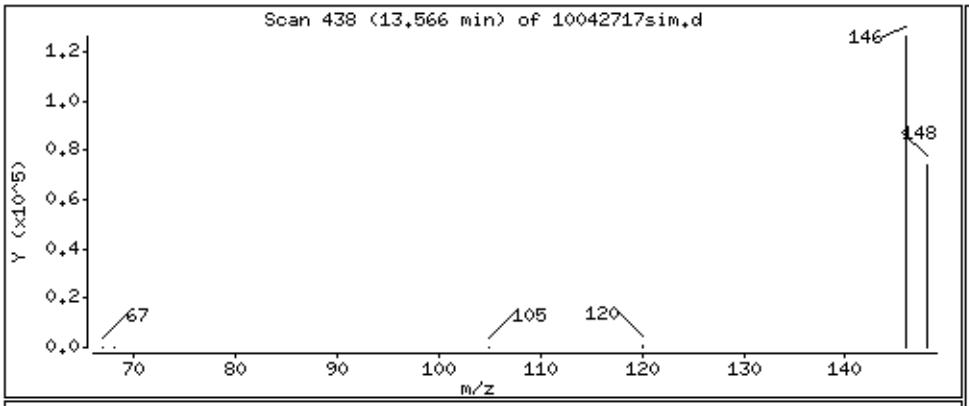
Operator: gm

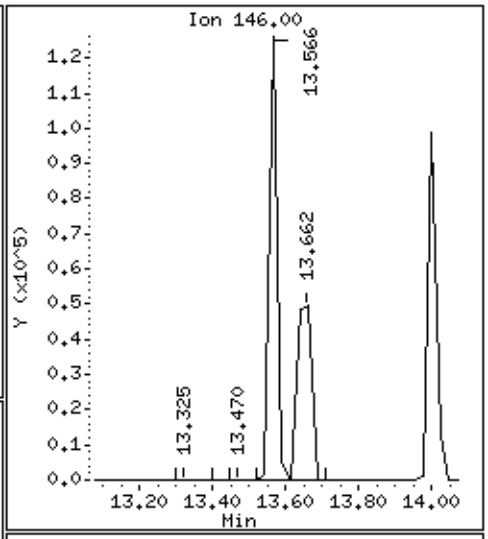
Column phase: DB-5.625

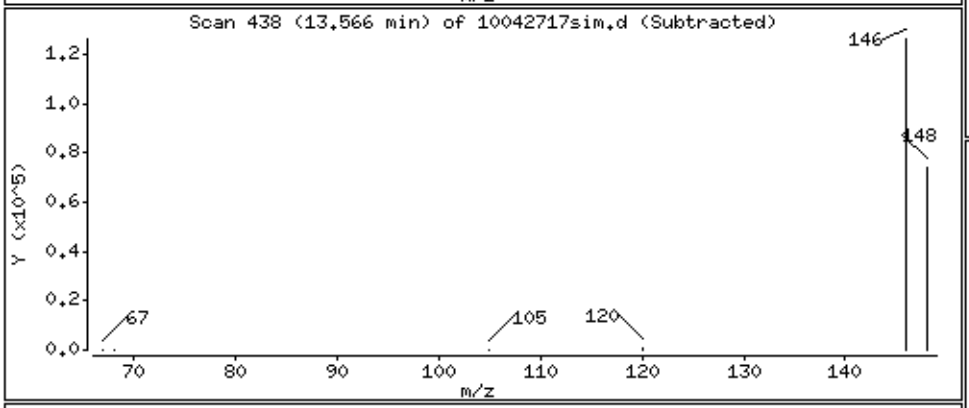
Column diameter: 0.25

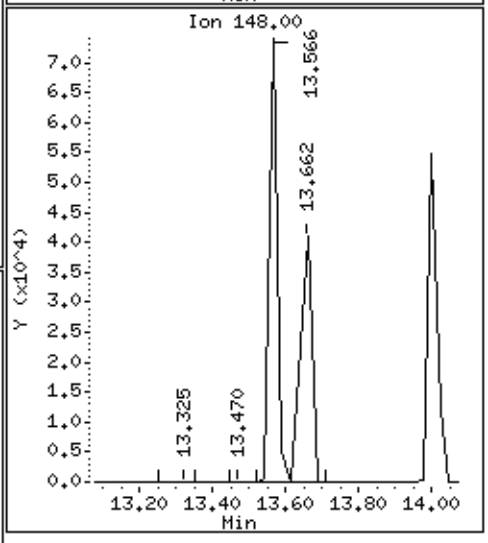
44 1,3-Dichlorobenzene

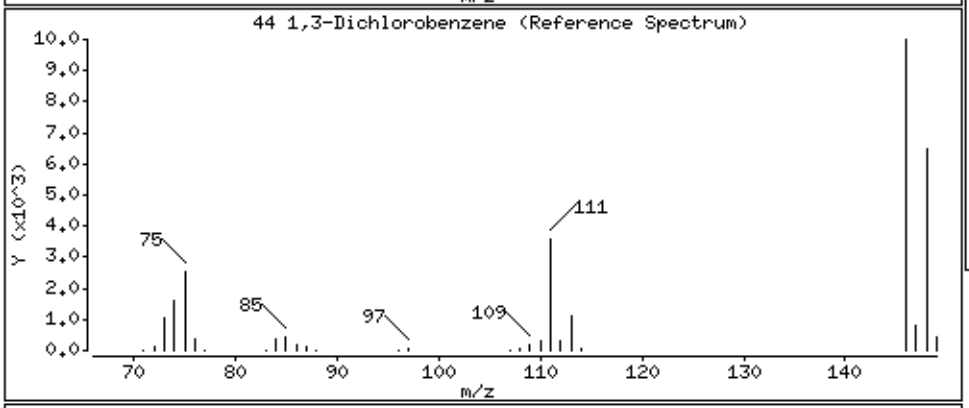
Concentration: 4.54649 ug

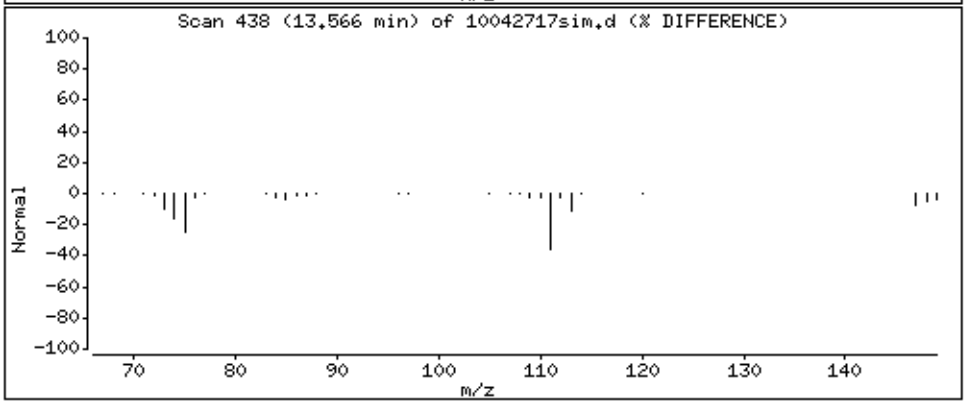












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

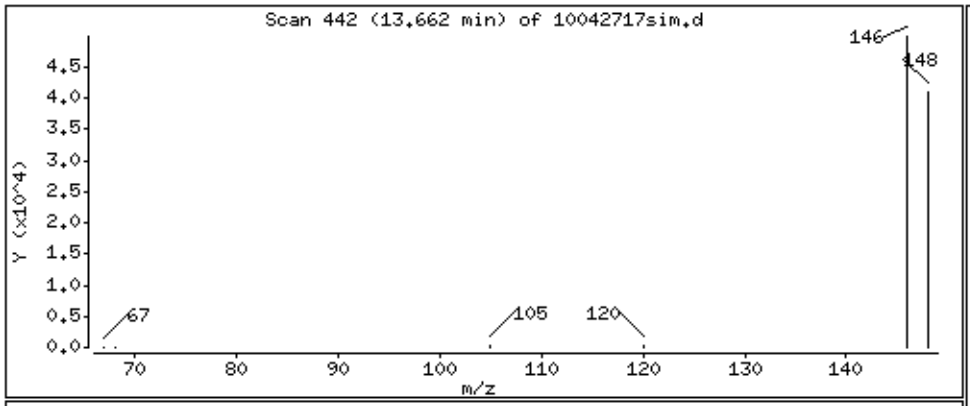
Operator: gm

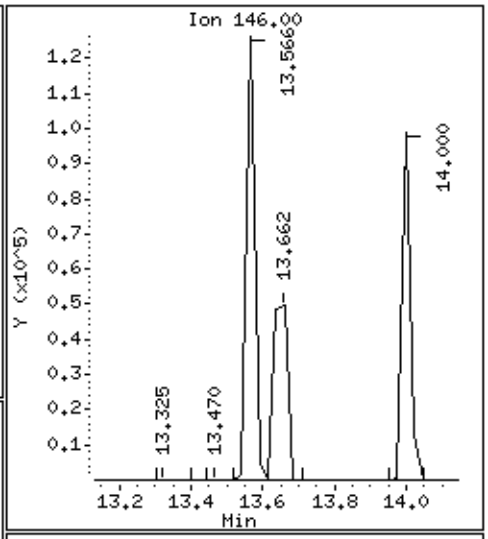
Column phase: DB-5.625

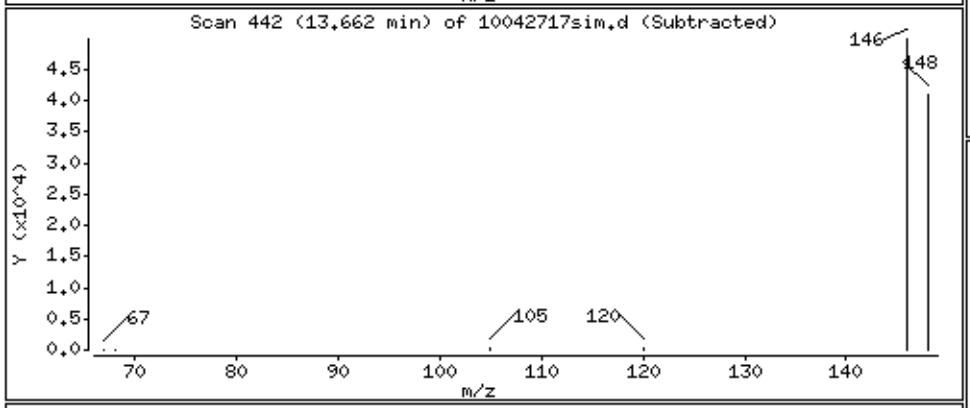
Column diameter: 0.25

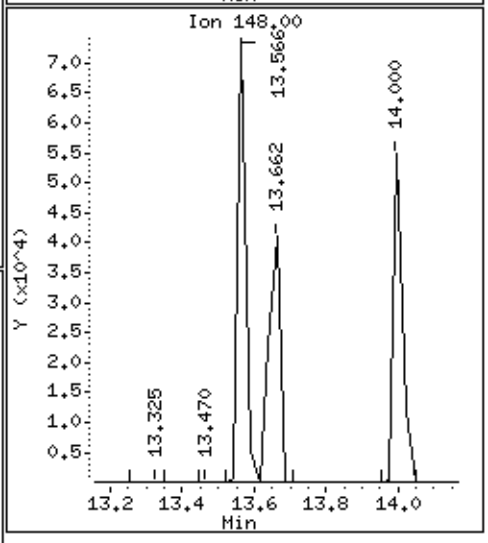
45 1,4-Dichlorobenzene

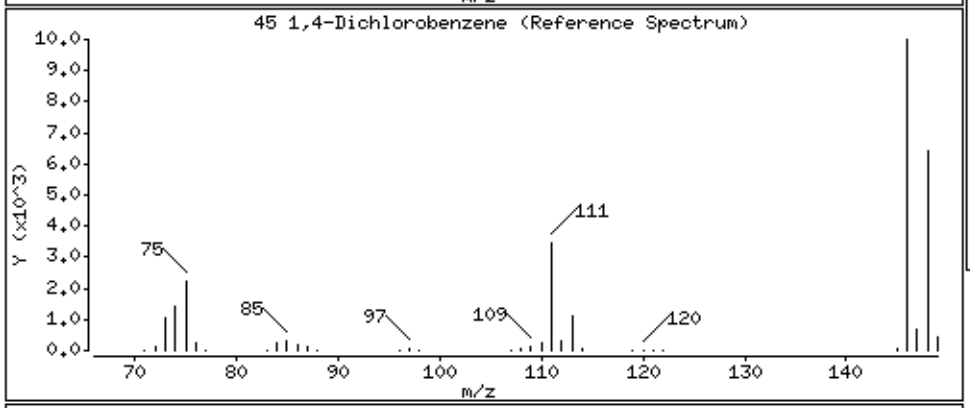
Concentration: 4.40788 ug

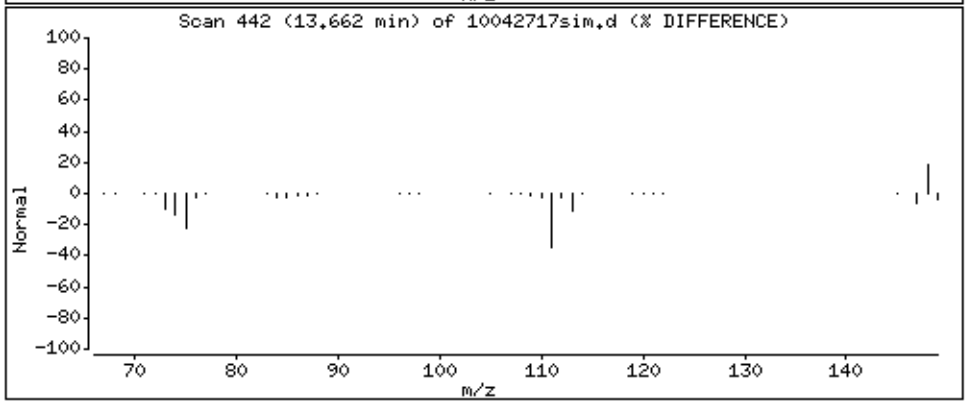












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

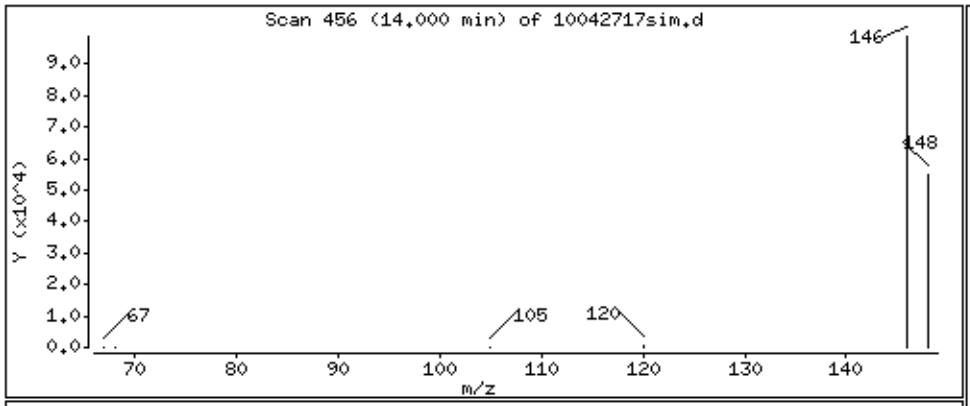
Operator: gm

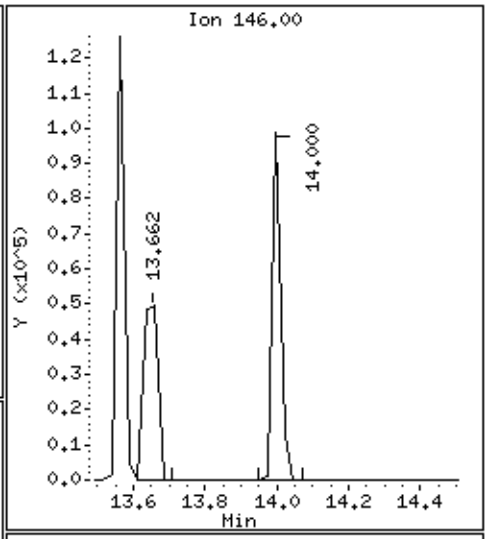
Column phase: DB-5.625

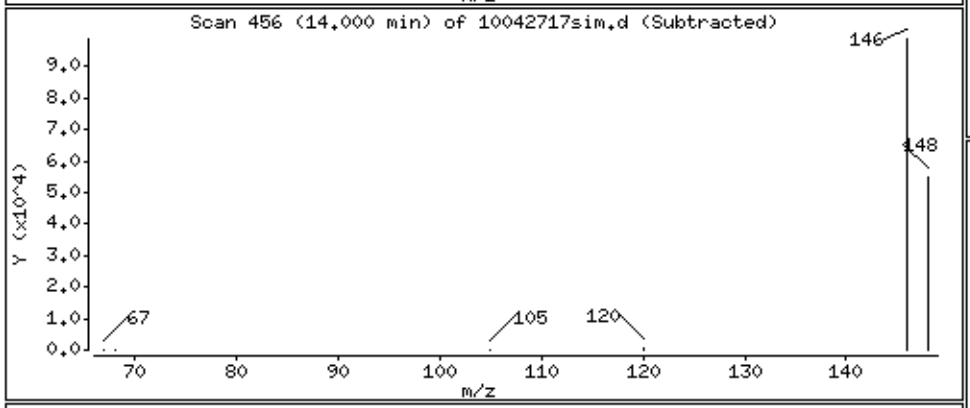
Column diameter: 0.25

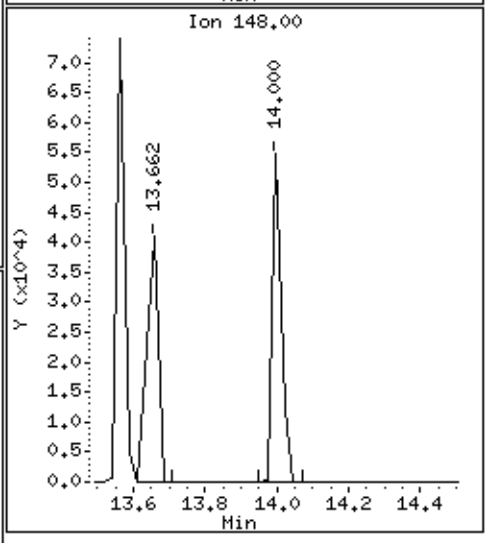
46 1,2-Dichlorobenzene

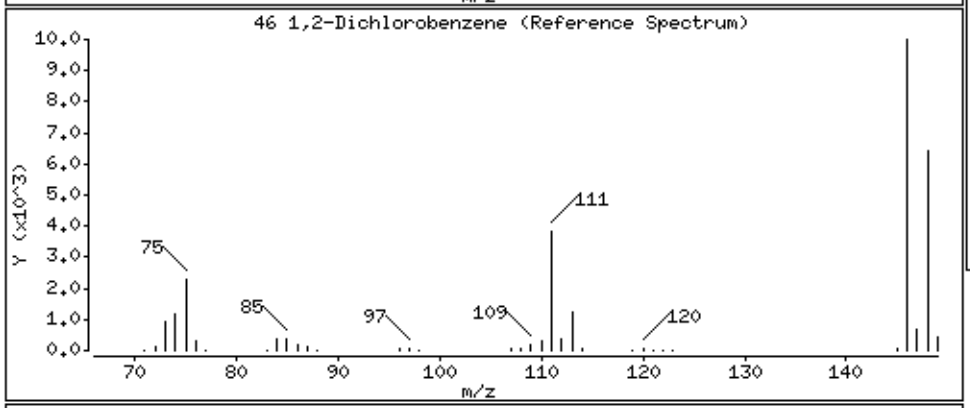
Concentration: 4.43048 ug

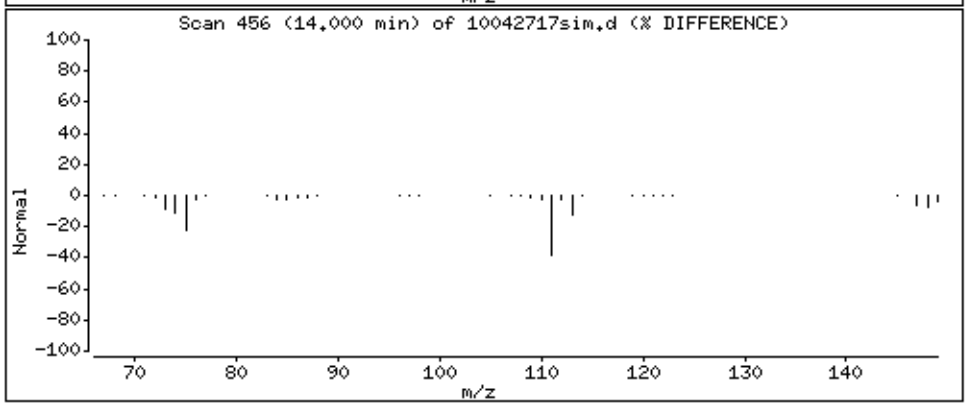












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

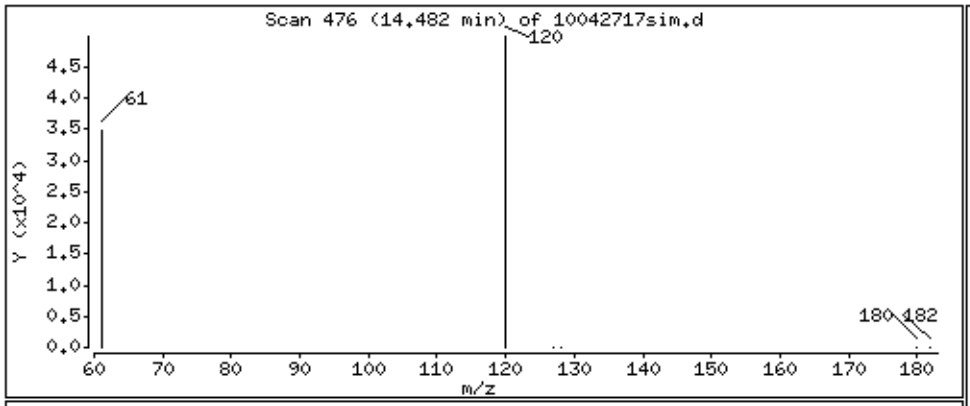
Operator: gm

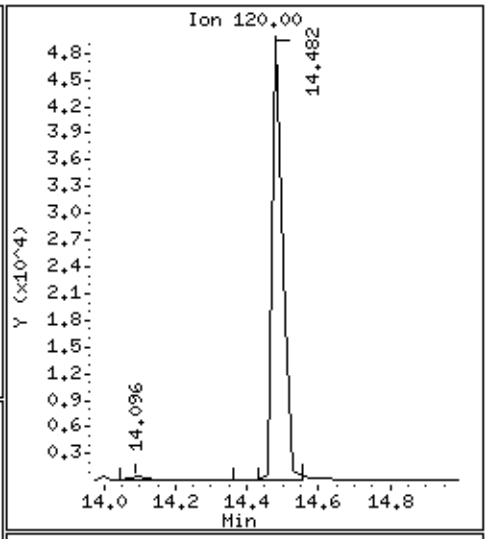
Column phase: DB-5.625

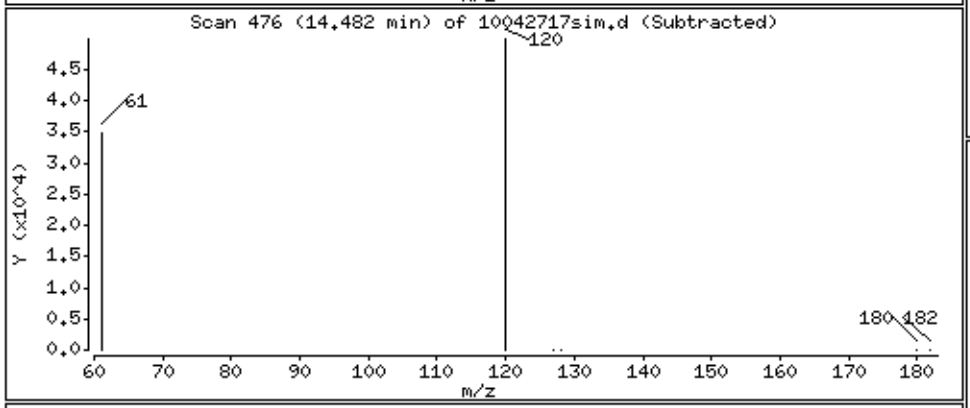
Column diameter: 0.25

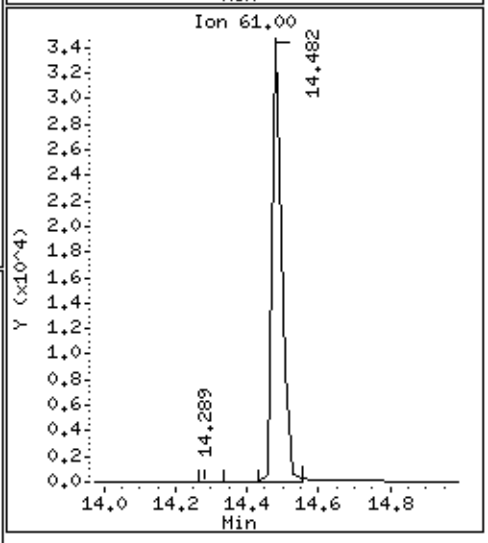
47 1,4-Dithiane

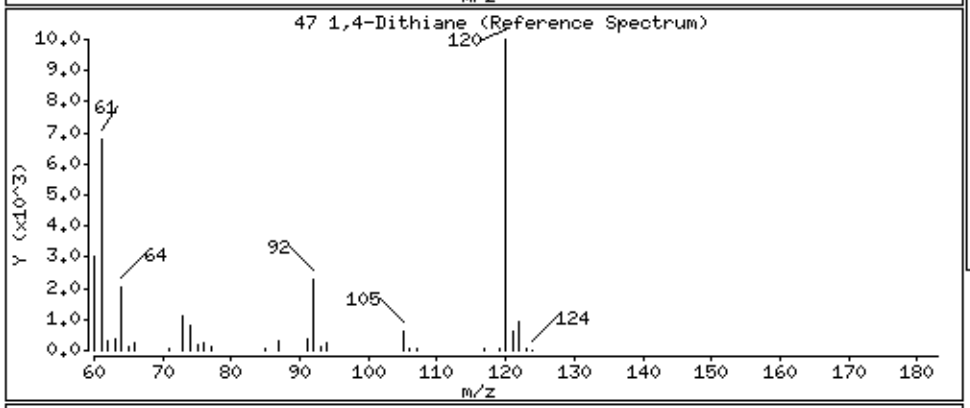
Concentration: 4.44807 ug

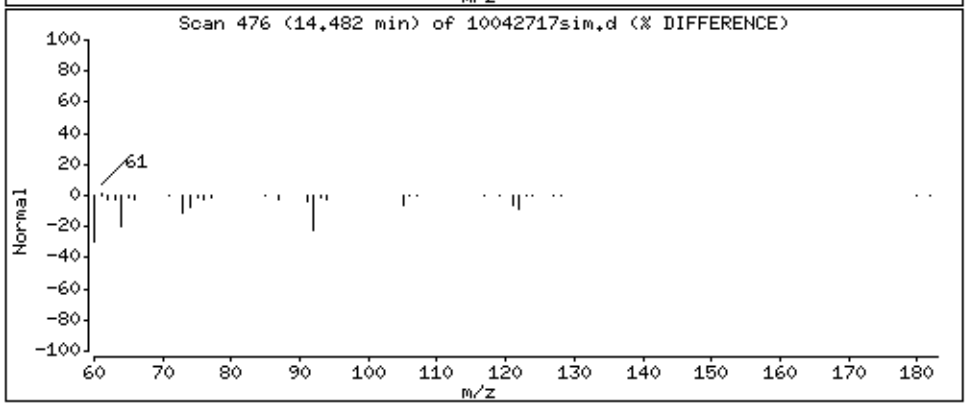












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

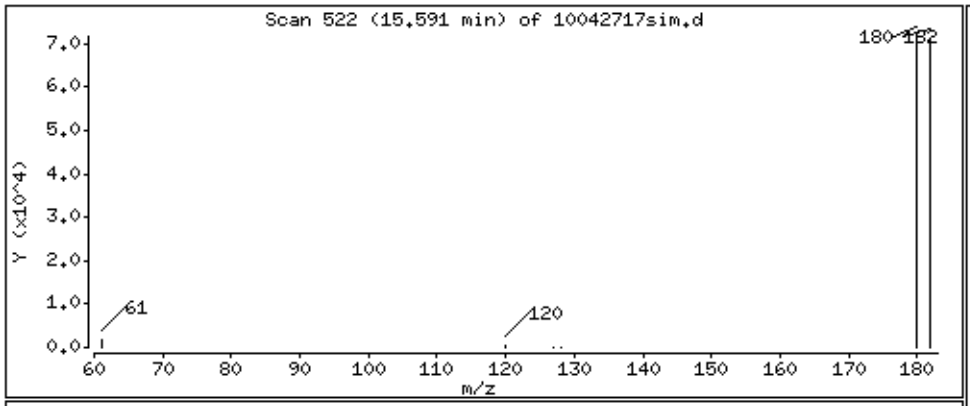
Operator: gm

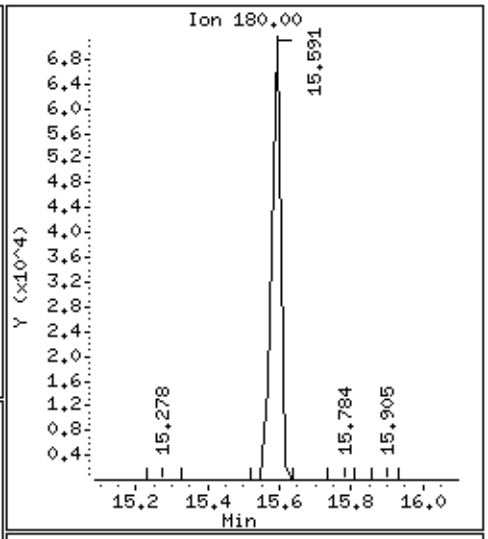
Column phase: DB-5.625

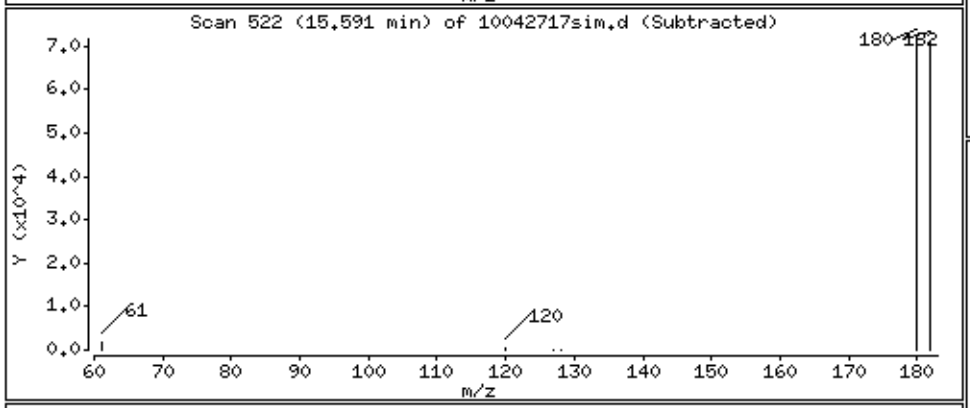
Column diameter: 0.25

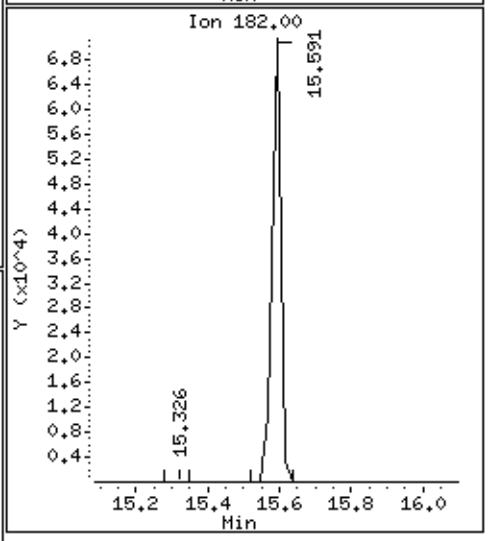
48 1,2,4-Trichlorobenzene

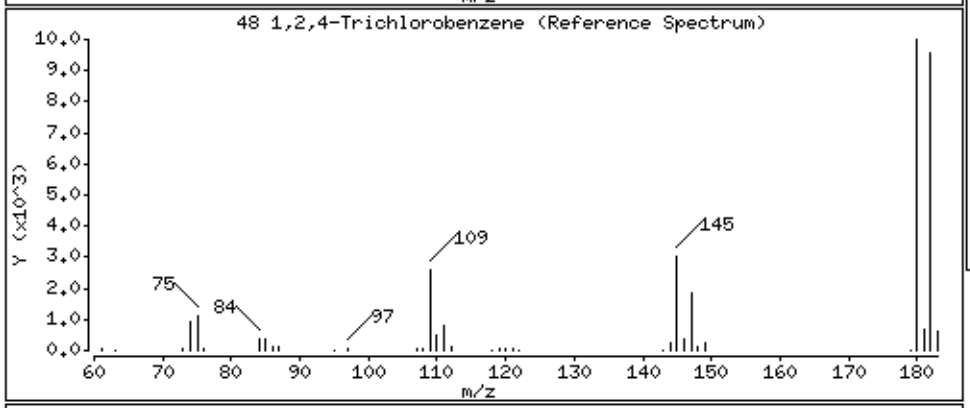
Concentration: 4.31674 ug

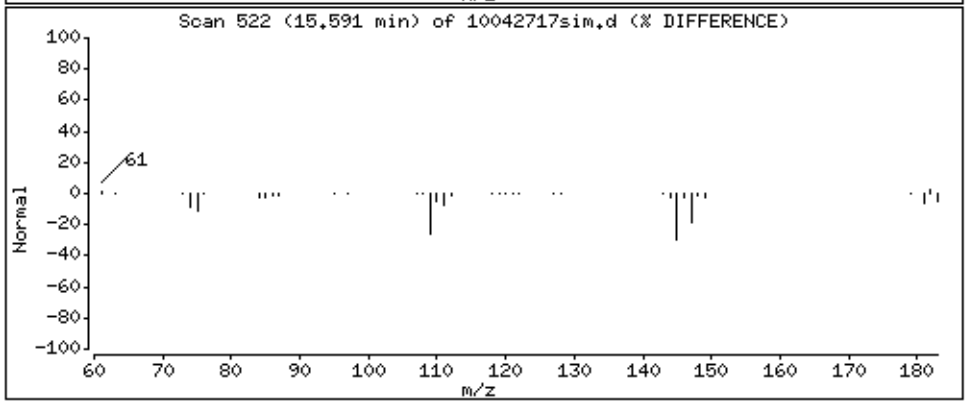












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

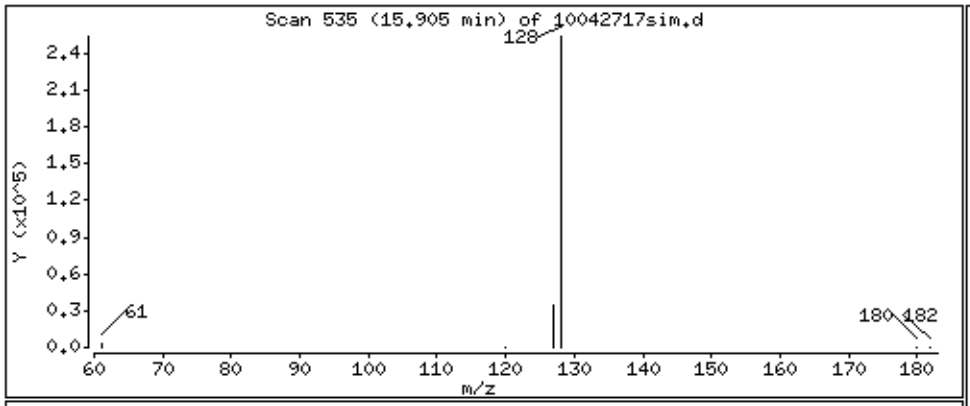
Operator: gm

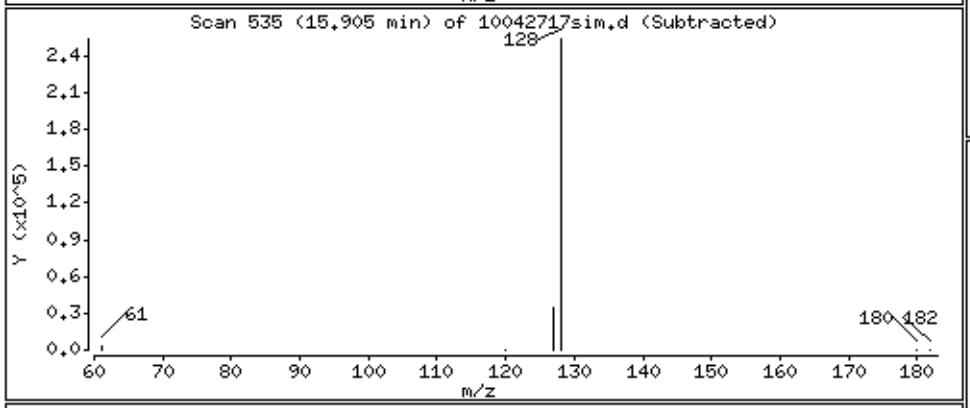
Column phase: DB-5.625

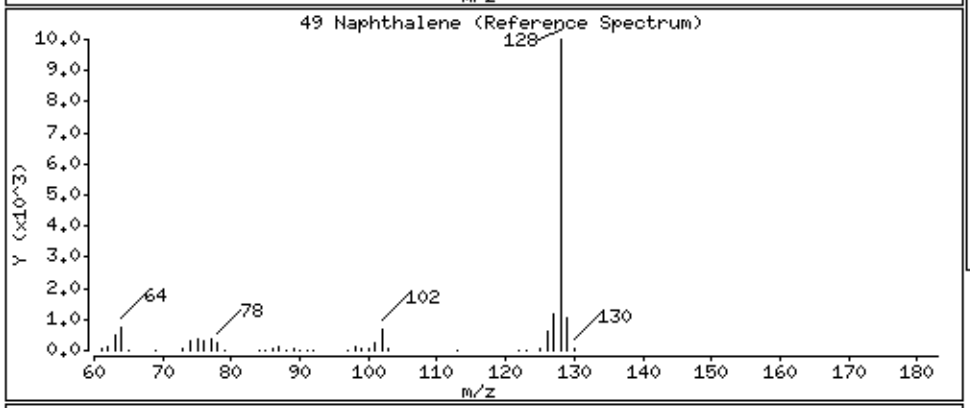
Column diameter: 0.25

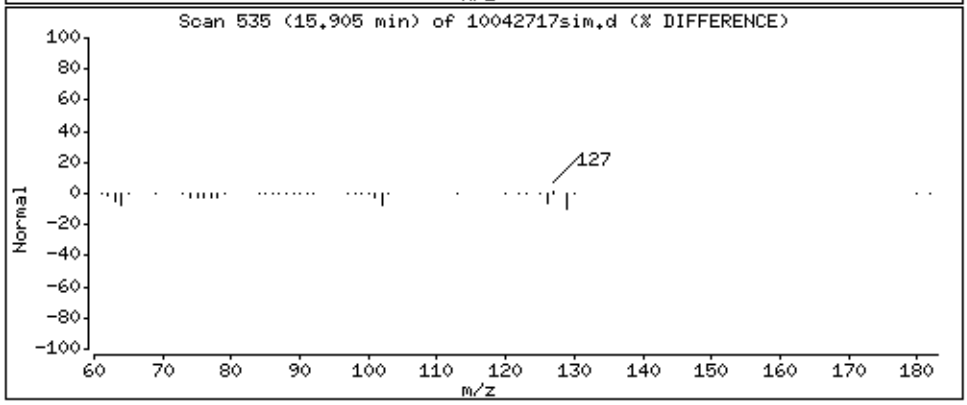
49 Naphthalene

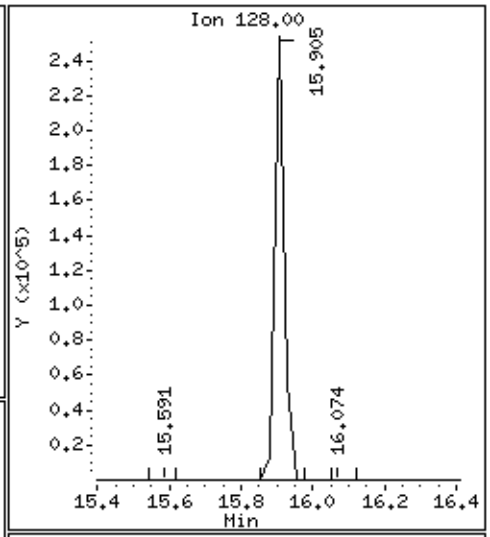
Concentration: 4.49882 ug

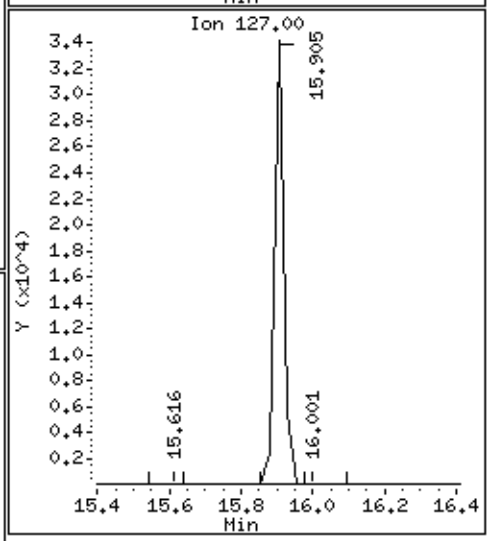












Data File: /chem/msd10.i/27Apr2015.b/10042717sim.d

Date : 27-APR-2015 14:15

Client ID: ICV

Instrument: msd10.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

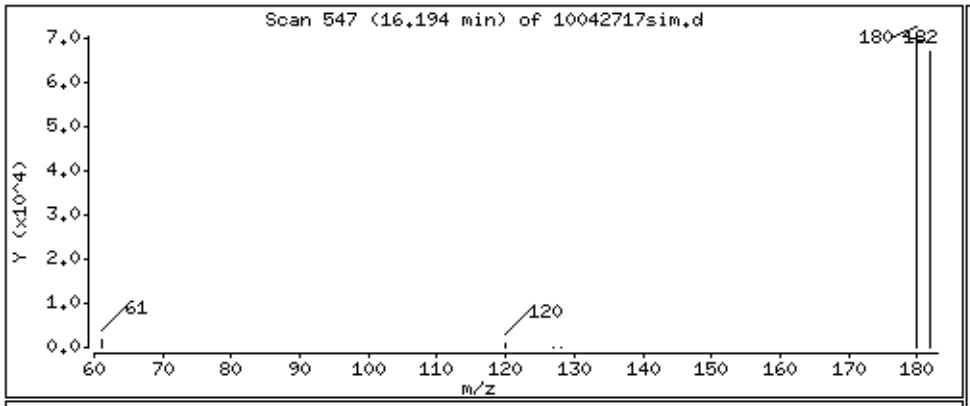
Operator: gm

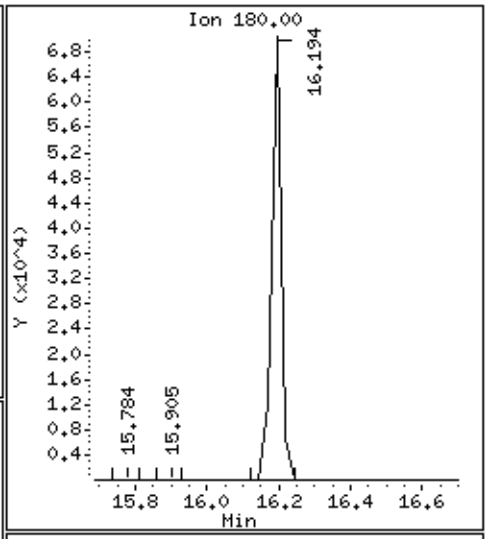
Column phase: DB-5.625

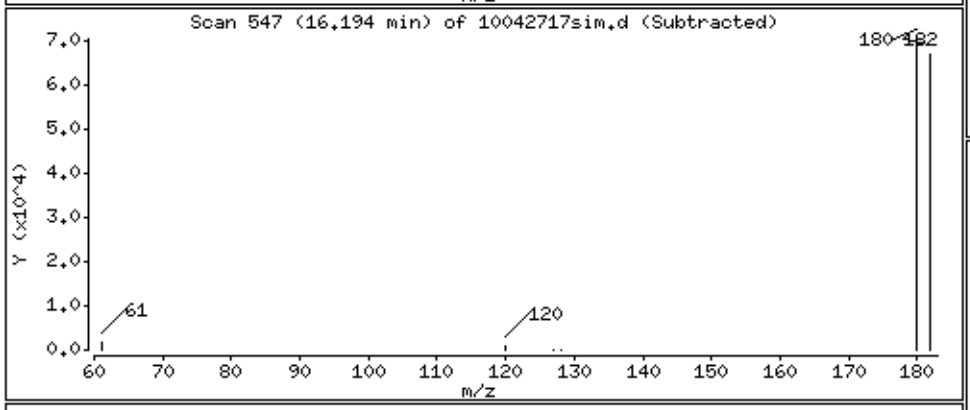
Column diameter: 0.25

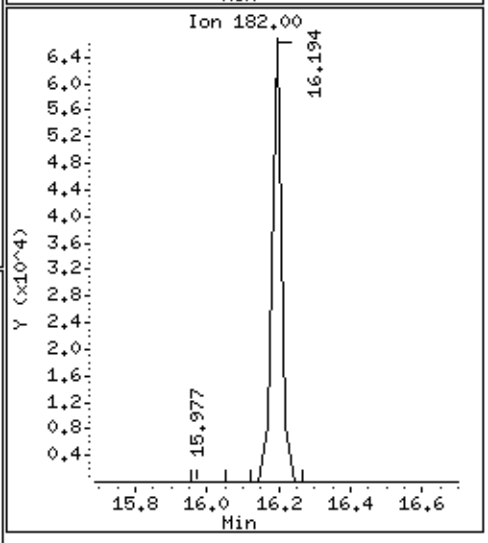
50 1,2,3-Trichlorobenzene

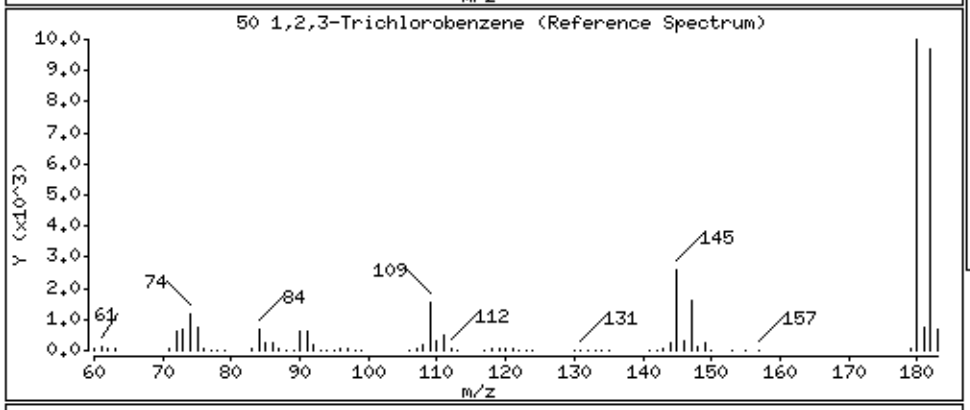
Concentration: 4.41412 ug

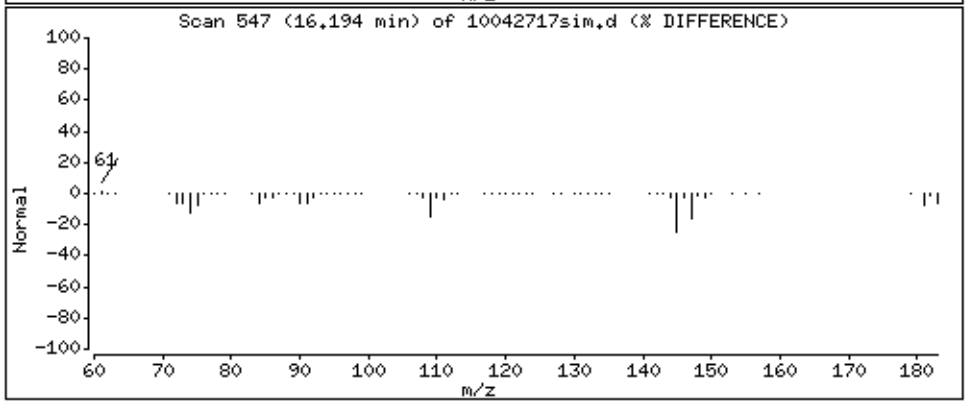












Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042703sim.d
Lab Smp Id: 2595-224-0.05>0.025 Client Smp ID: Level 1
Inj Date : 27-APR-2015 08:40
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-0.05>0.025;Level 1
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 10:03 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 08:40 Cal File: 10042703sim.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: mpxylene.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 29 2-Fluorotoluene	109	10.153	10.153	(1.000)	171218	5.00000	
$ 26 Toluene-d8	98	9.839	9.839	(0.969)	154344	5.00000	5.01322(A)
34 m,p-Xylene	106	11.613	11.639	(1.144)	988	0.05000	0.0481389

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042703sim.d
Lab Smp Id: 2595-224-0.05>0.025
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 08:40
Client Smp ID: Level 1
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	171218	85609	342436	171218	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042703sim.d

Date : 27-APR-2015 08:40

Client ID: Level 1

Instrument: msd10.i

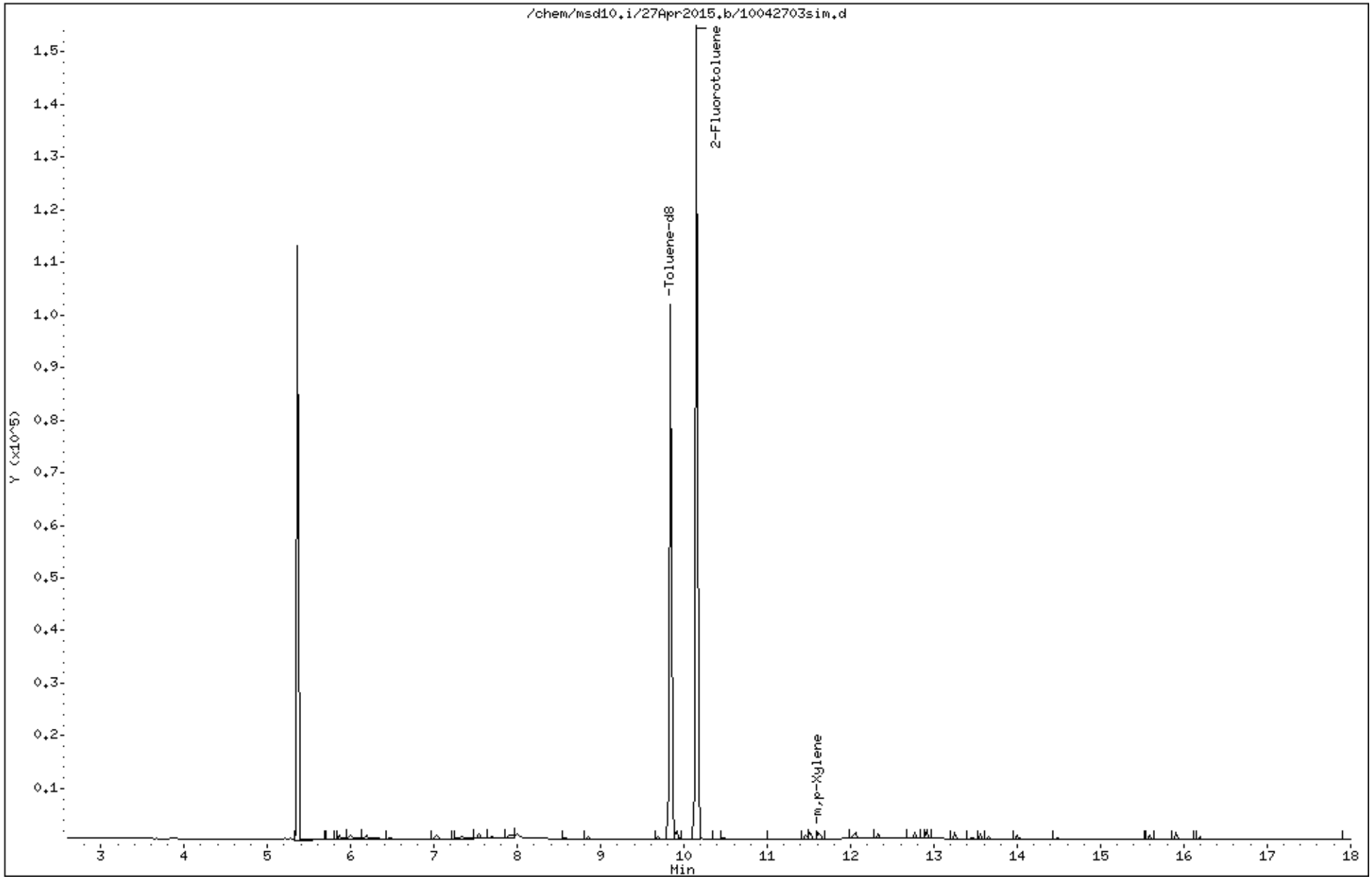
Sample Info: ;2595-224-0.05>0.025;Level 1

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042704sim.d
Lab Smp Id: 2595-224-0.05 Client Smp ID: Level 2
Inj Date : 27-APR-2015 09:04
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-0.05;Level 2
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 10:24 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 09:04 Cal File: 10042704sim.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 0.05.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
7	MTBE	73	6.024	6.079	(0.593)	1374	0.05000	0.0548296
9	Hexane	57	6.216	6.271	(0.612)	1344	0.05000	0.0546634
10	Halothane	117	6.378	6.401	(0.628)	257	0.05000	0.0593021
11	1,1-Dichloroethane-SPCC	63	6.474	6.522	(0.638)	793	0.05000	0.0524024(M)
14	cis-1,2-Dichloroethene	96	7.058	7.080	(0.695)	443	0.05000	0.0540528(M)
13	2-Butanone	72	7.036	7.080	(0.693)	295	0.05000	0.0541262
15	Chloroform-CCC	83	7.352	7.383	(0.724)	710	0.05000	0.0527846(M)
16	Cyclohexane	84	7.537	7.568	(0.742)	1052	0.05000	0.0541962
17	1,1,1-Trichloroethane	97	7.537	7.568	(0.742)	923	0.05000	0.0544148
18	Carbon Tetrachloride	117	7.691	7.722	(0.758)	847	0.05000	0.0607740
20	1,2-Dichloroethane	62	8.000	8.030	(0.788)	1005	0.05000	0.0619315
21	Heptane	71	8.030	8.030	(0.791)	625	0.05000	0.0566314
22	Trichloroethene	130	8.562	8.586	(0.843)	708	0.05000	0.0571276
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	629	0.05000	0.0544205
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	188045	5.00000	4.99827
28	Toluene-CCC	92	9.912	9.912	(0.976)	1974	0.05000	0.0551046

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	29 2-Fluorotoluene	109	10.153	10.153	(1.000)	209382	5.00000	
	30 1,1,2-Trichloroethane	97	10.370	10.394	(1.021)	646	0.05000	0.0557925
	31 Tetrachloroethene	164	10.466	10.490	(1.031)	618	0.05000	0.0554020
	32 Chlorobenzene	112	11.459	11.459	(1.129)	2385	0.05000	0.0542626
	33 Ethylbenzene-CCC	106	11.510	11.510	(1.134)	1211	0.05000	0.0527437
	209 1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	777	0.05000	0.0515080(a)
	34 m,p-Xylene	106	11.613	11.639	(1.144)	2562	0.10000	0.108242
	36 o-Xylene	106	12.062	12.061	(1.188)	1205	0.05000	0.0532949
	37 Styrene	104	12.062	12.089	(1.188)	2273	0.05000	0.0577458(a)
	38 a-Pinene	93	12.336	12.336	(1.215)	1683	0.05000	0.0534692
	39 1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.720	(1.250)	1037	0.05000	0.0563954
	40 Propylbenzene	91	12.748	12.775	(1.256)	3243	0.05000	0.0555174
	210 1,2,3-Trichloropropane	110	12.775	12.803	(1.258)	394	0.05000	0.0507177(aM)
	41 1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	4131	0.05000	0.0542778
	42 1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	3463	0.05000	0.0543540
	43 R-(+)-Limonene	68	13.470	13.470	(1.327)	892	0.05000	(a)
	44 1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	2264	0.05000	0.0536807
	45 1,4-Dichlorobenzene	146	13.639	13.662	(1.343)	1685	0.05000	0.0542339
	46 1,2-Dichlorobenzene	146	14.000	14.024	(1.379)	1978	0.05000	0.0539222
	47 1,4-Dithiane	120	14.482	14.506	(1.426)	1114	0.05000	0.0539723
	48 1,2,4-Trichlorobenzene	180	15.592	15.591	(1.536)	1538	0.05000	0.0529599
	49 Naphthalene	128	15.905	15.929	(1.567)	5214	0.05000	0.0527768
	50 1,2,3-Trichlorobenzene	180	16.195	16.194	(1.595)	1465	0.05000	0.0518382

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042704sim.d
Lab Smp Id: 2595-224-0.05
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 09:04
Client Smp ID: Level 2
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	209382	104691	418764	209382	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042704sim.d

Date : 27-APR-2015 09:04

Client ID: Level 2

Instrument: msd10.i

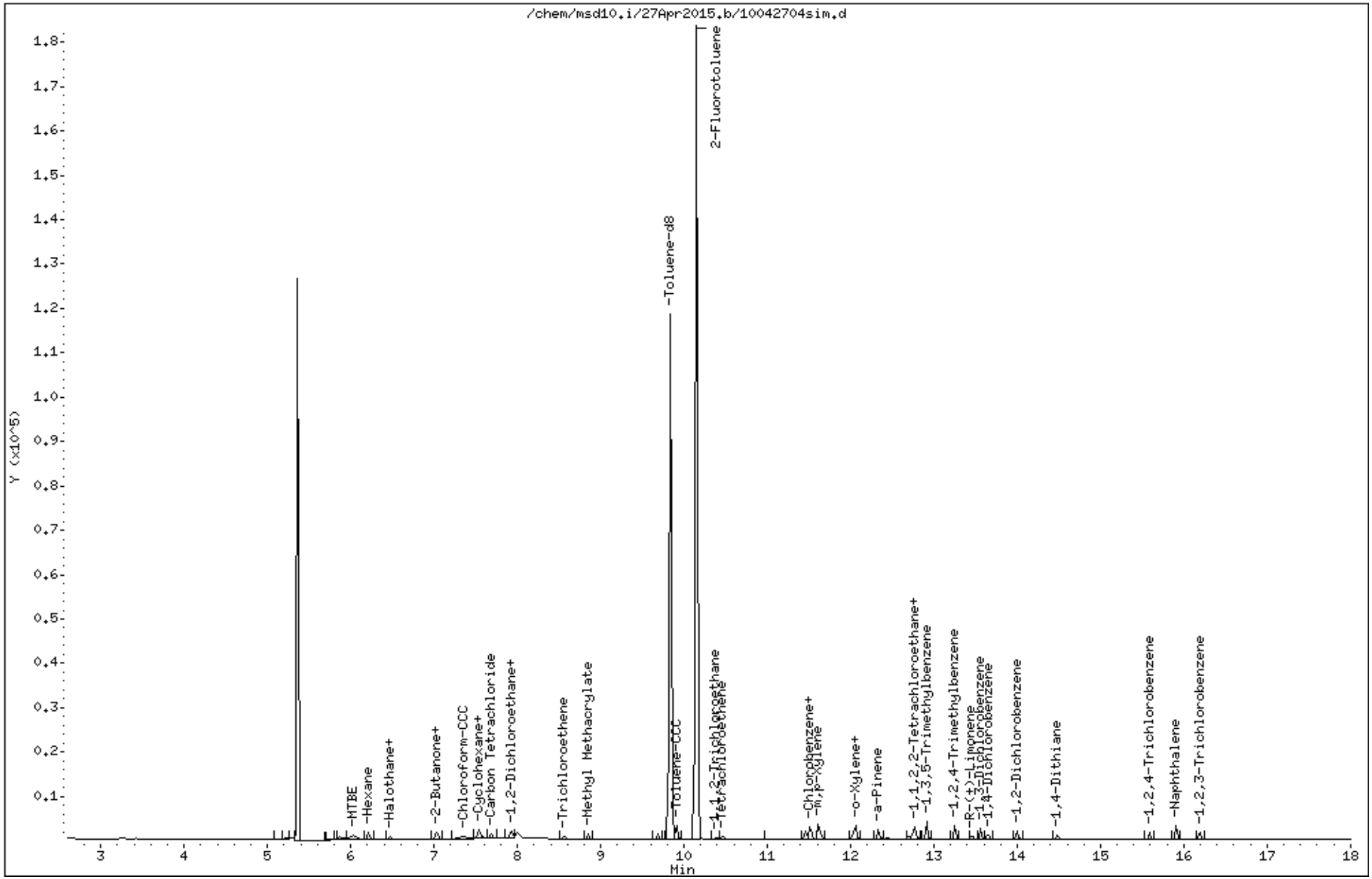
Sample Info: ;2595-224-0.05;Level 2

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042705sim.d
Lab Smp Id: 2595-224-0.10 Client Smp ID: Level 3
Inj Date : 27-APR-2015 09:27
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-0.10;Level 3
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 10:24 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 09:27 Cal File: 10042705sim.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 0.1.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.251	(0.318)	148	0.10000	0.105718
2	Vinyl Chloride	62	3.420	3.444	(0.337)	343	0.10000	0.120311
3	Ethanol	45	4.696	4.696	(0.463)	171	0.10000	0.100926
4	1,1-Dichloroethene-CCC	96	5.116	5.116	(0.504)	420	0.10000	0.121021
5	Acetone	58	5.229	5.229	(0.515)	297	0.10000	0.116068(M)
6	2-Propanol	45	5.273	5.296	(0.519)	864	0.10000	0.113117
7	MTBE	73	5.996	6.079	(0.591)	2194	0.10000	0.111068
8	trans-1,2-Dichloroethene	96	6.024	6.133	(0.593)	619	0.10000	0.116636(H)
9	Hexane	57	6.188	6.271	(0.610)	2061	0.10000	0.106341
10	Halothane	117	6.377	6.401	(0.628)	358	0.10000	0.104796
11	1,1-Dichloroethane-SPCC	63	6.474	6.522	(0.638)	1359	0.10000	0.113926(H)
12	Ethyl Acetate	70	7.013	7.058	(0.691)	188	0.10000	0.0953125(aM)
13	2-Butanone	72	7.036	7.080	(0.693)	466	0.10000	0.108466
14	cis-1,2-Dichloroethene	96	7.036	7.080	(0.693)	732	0.10000	0.113305
15	Chloroform-CCC	83	7.321	7.383	(0.721)	1139	0.10000	0.107423
16	Cyclohexane	84	7.537	7.568	(0.742)	1674	0.10000	0.109404

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
17	1,1,1-Trichloroethane	97	7.537	7.568	(0.742)	1451	0.10000	0.108519
18	Carbon Tetrachloride	117	7.691	7.722	(0.758)	1129	0.10000	0.102766
19	Benzene	78	7.938	7.938	(0.782)	3287	0.10000	0.136529
20	1,2-Dichloroethane	62	7.999	8.030	(0.788)	1314	0.10000	0.102722
21	Heptane	71	7.999	8.030	(0.788)	937	0.10000	0.107706
22	Trichloroethene	130	8.562	8.586	(0.843)	1036	0.10000	0.106046
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	975	0.10000	0.107014
25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	422	0.10000	0.111930
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	148160	5.00000	4.99589
28	Toluene-CCC	92	9.912	9.912	(0.976)	3024	0.10000	0.107089
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	165050	5.00000	
30	1,1,2-Trichloroethane	97	10.394	10.394	(1.024)	965	0.10000	0.105729
31	Tetrachloroethene	164	10.466	10.490	(1.031)	931	0.10000	0.105879
32	Chlorobenzene	112	11.459	11.459	(1.129)	3733	0.10000	0.107744
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	1989	0.10000	0.109897
209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	1217	0.10000	0.102345
34	m,p-Xylene	106	11.613	11.639	(1.144)	4022	0.20000	0.215566
36	o-Xylene	106	12.061	12.061	(1.188)	1912	0.10000	0.107278
37	Styrene	104	12.061	12.089	(1.188)	3236	0.10000	0.104293
38	a-Pinene	93	12.336	12.336	(1.215)	2671	0.10000	0.107651
39	1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.720	(1.250)	1556	0.10000	0.107349
40	Propylbenzene	91	12.775	12.775	(1.258)	4930	0.10000	0.107066
210	1,2,3-Trichloropropane	110	12.775	12.803	(1.258)	728	0.10000	0.118883
41	1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	6481	0.10000	0.108027
42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	5412	0.10000	0.107761
43	R-(+)-Limonene	68	13.470	13.470	(1.327)	1424	0.10000	(a)
44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	3588	0.10000	0.107924
45	1,4-Dichlorobenzene	146	13.662	13.662	(1.346)	2636	0.10000	0.107632
46	1,2-Dichlorobenzene	146	14.000	14.024	(1.379)	3135	0.10000	0.108418
47	1,4-Dithiane	120	14.482	14.506	(1.426)	1769	0.10000	0.108727
48	1,2,4-Trichlorobenzene	180	15.591	15.591	(1.536)	2544	0.10000	0.111130
49	Naphthalene	128	15.905	15.929	(1.567)	8632	0.10000	0.110843
50	1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	2471	0.10000	0.110920

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042705sim.d
Lab Smp Id: 2595-224-0.10
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 09:27
Client Smp ID: Level 3
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	165050	82525	330100	165050	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042705sim.d

Date : 27-APR-2015 09:27

Client ID: Level 3

Instrument: msd10.i

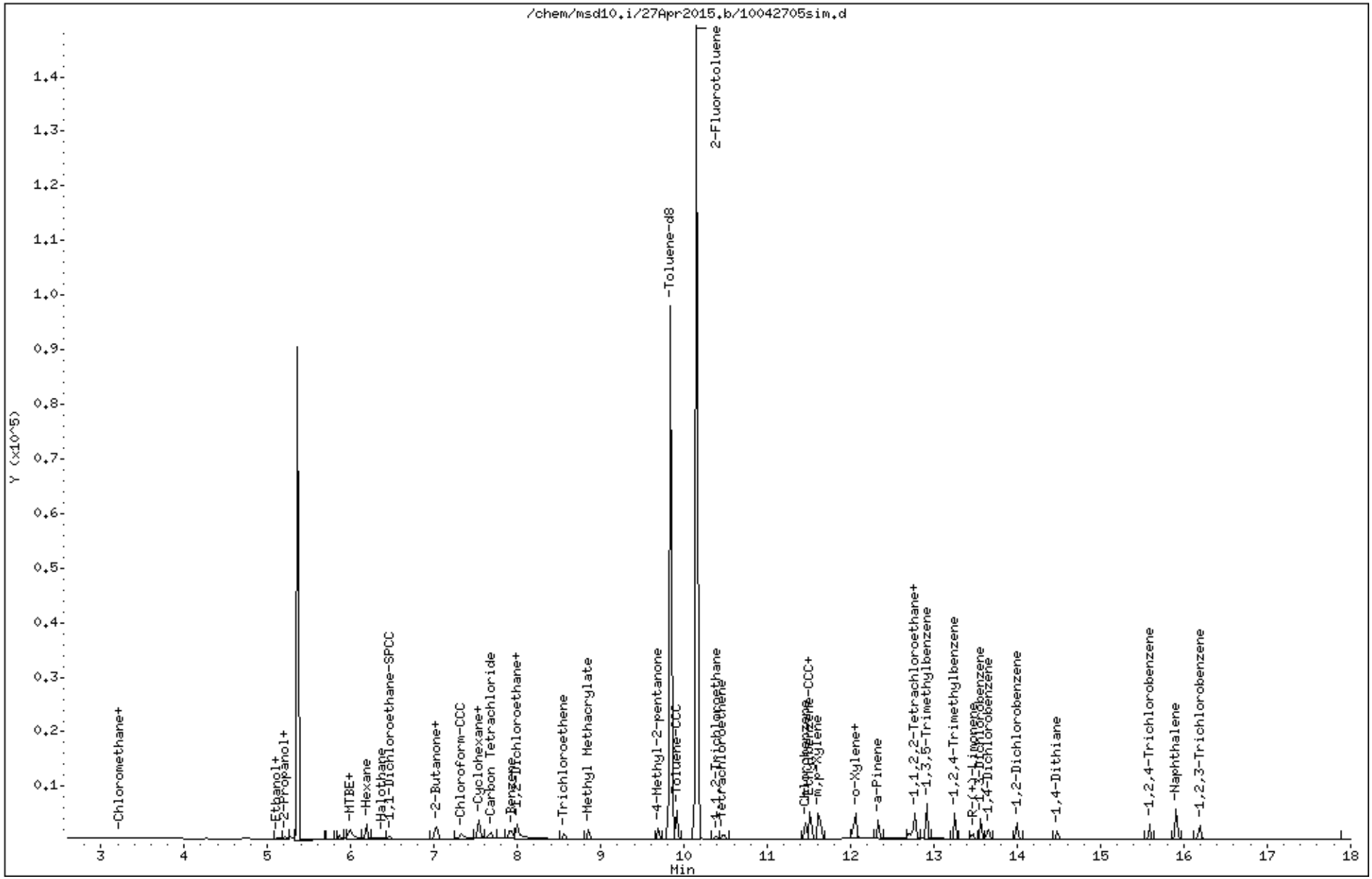
Sample Info: ;2595-224-0.10;Level 3

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042706sim.d
Lab Smp Id: 2595-224-0.20 Client Smp ID: Level 4
Inj Date : 27-APR-2015 09:51
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-0.20;Level 4
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 10:24 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 09:51 Cal File: 10042706sim.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 0.2.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.251	(0.318)	287	0.20000	0.188563
2	Vinyl Chloride	62	3.420	3.444	(0.337)	494	0.20000	0.159377
3	Ethanol	45	4.696	4.696	(0.463)	365	0.20000	0.198147
4	1,1-Dichloroethene-CCC	96	5.117	5.116	(0.504)	596	0.20000	0.157958
5	Acetone	58	5.229	5.229	(0.515)	467	0.20000	0.167864(M)
6	2-Propanol	45	5.273	5.296	(0.519)	1443	0.20000	0.173766
7	MTBE	73	5.996	6.079	(0.591)	3405	0.20000	0.158546
8	trans-1,2-Dichloroethene	96	6.024	6.133	(0.593)	962	0.20000	0.166727(H)
9	Hexane	57	6.188	6.271	(0.610)	3554	0.20000	0.168665
10	Halothane	117	6.377	6.401	(0.628)	569	0.20000	0.153200
11	1,1-Dichloroethane-SPCC	63	6.450	6.522	(0.635)	2108	0.20000	0.162539
12	Ethyl Acetate	70	7.013	7.058	(0.691)	449	0.20000	0.209375
13	2-Butanone	72	7.036	7.080	(0.693)	778	0.20000	0.166562
14	cis-1,2-Dichloroethene	96	7.036	7.080	(0.693)	1104	0.20000	0.157179
15	Chloroform-CCC	83	7.321	7.383	(0.721)	2006	0.20000	0.174016
16	Cyclohexane	84	7.537	7.568	(0.742)	2735	0.20000	0.164407

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	
17	1,1,1-Trichloroethane	97	7.537	7.568	(0.742)	2403	0.20000	0.165302	
18	Carbon Tetrachloride	117	7.691	7.722	(0.758)	1808	0.20000	0.151371	
19	Benzene	78	7.938	7.938	(0.782)	5235	0.20000	0.200000	
20	1,2-Dichloroethane	62	7.999	8.030	(0.788)	2042	0.20000	0.146829	
21	Heptane	71	7.999	8.030	(0.788)	1495	0.20000	0.158062	
22	Trichloroethene	130	8.562	8.586	(0.843)	1693	0.20000	0.159397	
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	1667	0.20000	0.168290	
25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	722	0.20000	0.176140	
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	160856	5.00000	4.98891	
28	Toluene-CCC	92	9.912	9.912	(0.976)	5078	0.20000	0.165403	
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	179444	5.00000		
30	1,1,2-Trichloroethane	97	10.394	10.394	(1.024)	1641	0.20000	0.165372	
31	Tetrachloroethene	164	10.466	10.490	(1.031)	1593	0.20000	0.166634	
32	Chlorobenzene	112	11.459	11.459	(1.129)	6308	0.20000	0.167461	
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	3330	0.20000	0.169231	
209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	2447	0.20000	0.189277	
34	m,p-Xylene	106	11.639	11.639	(1.146)	6644	0.40000	0.327533	
36	o-Xylene	106	12.061	12.061	(1.188)	3338	0.20000	0.172264	
37	Styrene	104	12.061	12.089	(1.188)	5412	0.20000	0.160431	
38	a-Pinene	93	12.336	12.336	(1.215)	4608	0.20000	0.170822	
39	1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.720	(1.250)	2517	0.20000	0.159720	
40	Propylbenzene	91	12.775	12.775	(1.258)	8200	0.20000	0.163797	
210	1,2,3-Trichloropropane	110	12.775	12.803	(1.258)	1061	0.20000	0.159364	
41	1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	10882	0.20000	0.166834	
42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	9122	0.20000	0.167063	
43	R-(+)-Limonene	68	13.470	13.470	(1.327)	2426	0.20000	(a)	
44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	6124	0.20000	0.169429	
45	1,4-Dichlorobenzene	146	13.663	13.662	(1.346)	4468	0.20000	0.167801	
46	1,2-Dichlorobenzene	146	14.000	14.024	(1.379)	5265	0.20000	0.167475	
47	1,4-Dithiane	120	14.482	14.506	(1.426)	2948	0.20000	0.166657	
48	1,2,4-Trichlorobenzene	180	15.591	15.591	(1.536)	4129	0.20000	0.165900	
49	Naphthalene	128	15.905	15.929	(1.567)	14157	0.20000	0.167207	
50	1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	4137	0.20000	0.170808	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042706sim.d
Lab Smp Id: 2595-224-0.20
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 09:51
Client Smp ID: Level 4
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	179444	89722	358888	179444	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042706sim.d

Date : 27-APR-2015 09:51

Client ID: Level 4

Instrument: msd10.i

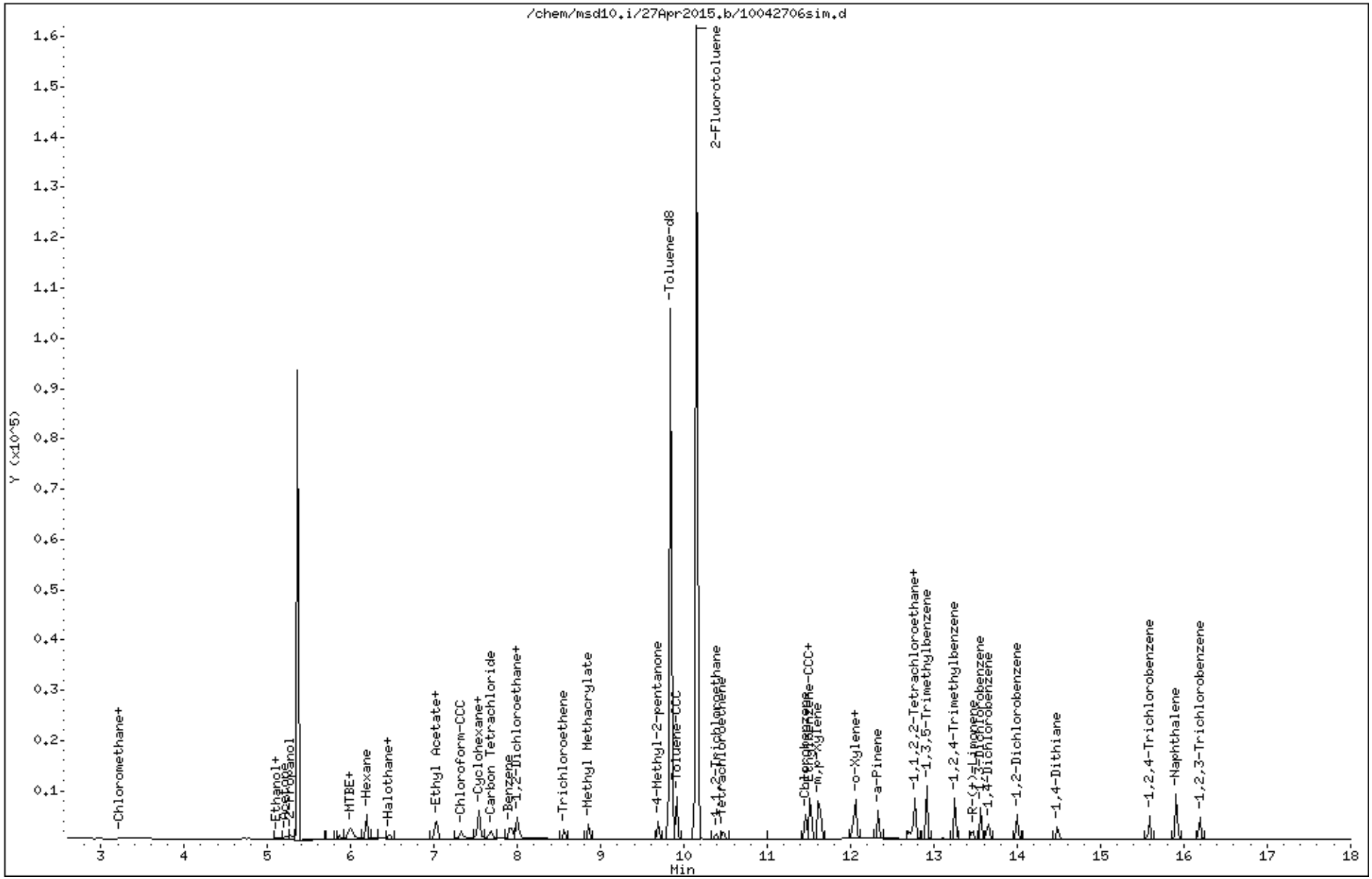
Sample Info: ;2595-224-0.20;Level 4

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042715sim.d
Lab Smp Id: 2595-224-0.5 Client Smp ID: Level 5
Inj Date : 27-APR-2015 13:25
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-0.5;Level 5
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 13:48 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 13:25 Cal File: 10042715sim.d
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.227	(0.318)	939	0.50000	0.460240
2	Vinyl Chloride	62	3.444	3.420	(0.339)	1775	0.50000	0.488738
3	Ethanol	45	4.696	4.696	(0.463)	1212	0.50000	0.519730
4	1,1-Dichloroethene-CCC	96	5.116	5.117	(0.504)	2510	0.50000	0.538178
5	Acetone	58	5.206	5.206	(0.513)	1939	0.50000	0.511808(M)
6	2-Propanol	45	5.273	5.273	(0.519)	5004	0.50000	0.460642
7	MTBE	73	6.024	5.996	(0.593)	13762	0.50000	0.541299
8	trans-1,2-Dichloroethene	96	6.051	6.051	(0.596)	4077	0.50000	0.556412
9	Hexane	57	6.216	6.216	(0.612)	14129	0.50000	0.601834
10	Halothane	117	6.377	6.377	(0.628)	2539	0.50000	0.541120
11	1,1-Dichloroethane-SPCC	63	6.474	6.474	(0.638)	8710	0.50000	0.547276
12	Ethyl Acetate	70	7.013	7.013	(0.691)	1469	0.50000	0.578866
13	2-Butanone	72	7.036	7.036	(0.693)	3028	0.50000	0.536323
14	cis-1,2-Dichloroethene	96	7.058	7.058	(0.695)	5030	0.50000	0.572733
15	Chloroform-CCC	83	7.352	7.352	(0.724)	7831	0.50000	0.541733
16	Cyclohexane	84	7.537	7.537	(0.742)	11444	0.50000	0.571726

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
17	1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	9086	0.50000	0.518873
18	Carbon Tetrachloride	117	7.691	7.691	(0.758)	9369	0.50000	0.599476
19	Benzene	78	7.938	7.938	(0.782)	25995	0.50000	0.649499
20	1,2-Dichloroethane	62	7.999	7.999	(0.788)	9839	0.50000	0.575229
21	Heptane	71	8.030	8.030	(0.791)	6834	0.50000	0.574518
22	Trichloroethene	130	8.562	8.562	(0.843)	7114	0.50000	0.565345
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	7666	0.50000	0.584721
25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	3336	0.50000	0.599031
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	221806	5.00000	4.96485
28	Toluene-CCC	92	9.912	9.912	(0.976)	22263	0.50000	0.588040
* 29	2-Fluorotoluene	109	10.152	10.153	(1.000)	247240	5.00000	
30	1,1,2-Trichloroethane	97	10.369	10.370	(1.021)	7356	0.50000	0.593813
31	Tetrachloroethene	164	10.466	10.466	(1.031)	7136	0.50000	0.594419
32	Chlorobenzene	112	11.458	11.459	(1.129)	28556	0.50000	0.600773
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	15425	0.50000	0.593799
209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	9238	0.50000	0.569530
34	m,p-Xylene	106	11.613	11.613	(1.144)	31303	1.00000	1.15192
36	o-Xylene	106	12.061	12.062	(1.188)	15233	0.50000	0.572589
37	Styrene	104	12.061	12.062	(1.188)	25979	0.50000	0.585296
38	a-Pinene	93	12.336	12.336	(1.215)	21885	0.50000	0.596356
39	1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	11496	0.50000	0.588784
40	Propylbenzene	91	12.748	12.748	(1.256)	40369	0.50000	0.577296
210	1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	4910	0.50000	0.614961
41	1,3,5-Trimethylbenzene	105	12.912	12.913	(1.272)	52219	0.50000	0.607062
42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	43148	0.50000	0.601181
43	R-(+)-Limonene	68	13.470	13.470	(1.327)	11919	0.50000	0.569694
44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	27233	0.50000	0.592359
45	1,4-Dichlorobenzene	146	13.662	13.638	(1.346)	20546	0.50000	0.583786
46	1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	23412	0.50000	0.584397
47	1,4-Dithiane	120	14.482	14.482	(1.426)	13779	0.50000	0.554268
48	1,2,4-Trichlorobenzene	180	15.591	15.592	(1.536)	19003	0.50000	0.583246
49	Naphthalene	128	15.905	15.905	(1.567)	66509	0.50000	0.587548
50	1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	18504	0.50000	0.581703

QC Flag Legend

M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042715sim.d
Lab Smp Id: 2595-224-0.5
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: Level 5
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	247240	14.40

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042715sim.d

Page 1

Date : 27-APR-2015 13:25

Client ID: Level 5

Instrument: msd10.i

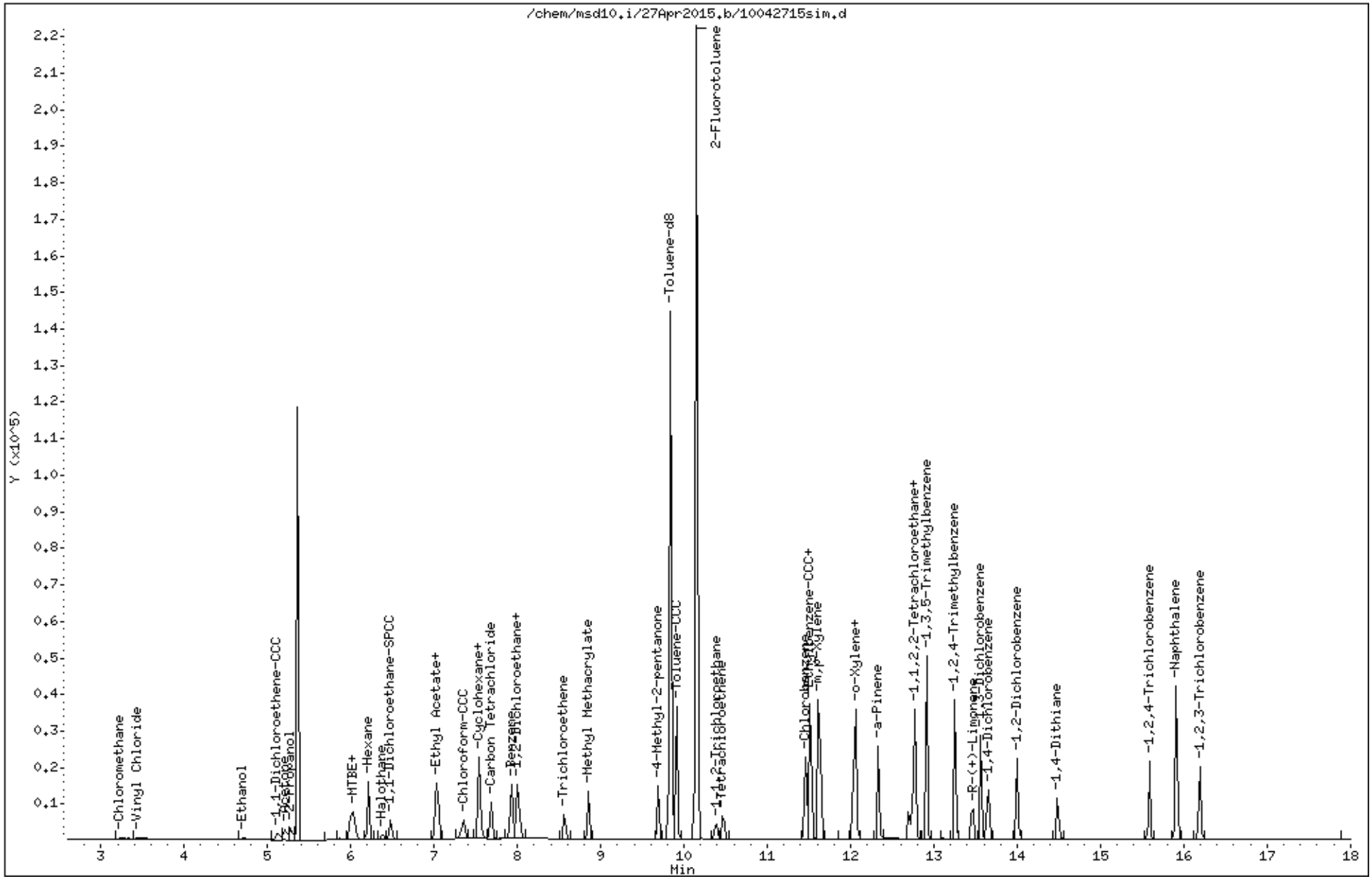
Sample Info: ;2595-224-0.5;Level 5

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042708sim.d
Lab Smp Id: 2595-224-1.0 Client Smp ID: Level 6
Inj Date : 27-APR-2015 10:38
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-1.0;Level 6
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 11:56 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 10:38 Cal File: 10042708sim.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.227	(0.318)	1482	1.00000	0.838905
2	Vinyl Chloride	62	3.420	3.420	(0.337)	2682	1.00000	0.818802
3	Ethanol	45	4.696	4.696	(0.463)	1674	1.00000	0.858182
4	1,1-Dichloroethene-CCC	96	5.117	5.117	(0.504)	3260	1.00000	0.802461
5	Acetone	58	5.206	5.206	(0.513)	2867	1.00000	0.877226(M)
6	2-Propanol	45	5.273	5.273	(0.519)	7161	1.00000	0.806965
7	MTBE	73	5.996	5.996	(0.591)	20858	1.00000	0.970162
8	trans-1,2-Dichloroethene	96	6.051	6.051	(0.596)	5820	1.00000	0.969930
9	Hexane	57	6.189	6.216	(0.610)	17720	1.00000	0.873360
10	Halothane	117	6.377	6.377	(0.628)	3664	1.00000	0.939284
11	1,1-Dichloroethane-SPCC	63	6.474	6.474	(0.638)	12250	1.00000	0.933658
12	Ethyl Acetate	70	7.013	7.013	(0.691)	2019	1.00000	0.956139
13	2-Butanone	72	7.036	7.036	(0.693)	4184	1.00000	0.905058
14	cis-1,2-Dichloroethene	96	7.036	7.058	(0.693)	6682	1.00000	0.932735
15	Chloroform-CCC	83	7.321	7.352	(0.721)	11276	1.00000	0.944263
16	Cyclohexane	84	7.537	7.537	(0.742)	15991	1.00000	1.02108

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
17	1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	14451	1.00000	1.03760
18	Carbon Tetrachloride	117	7.691	7.691	(0.758)	11226	1.00000	0.888164
19	Benzene	78	7.938	7.938	(0.782)	29606	1.00000	0.892788
20	1,2-Dichloroethane	62	7.999	7.999	(0.788)	12159	1.00000	0.853466
21	Heptane	71	7.999	8.030	(0.788)	8487	1.00000	0.881876
22	Trichloroethene	130	8.562	8.562	(0.843)	9877	1.00000	0.971533
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	10178	1.00000	0.991496
25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	4362	1.00000	1.00954
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	169982	5.00000	5.04578(A)
28	Toluene-CCC	92	9.912	9.912	(0.976)	29851	1.00000	0.993690
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	186693	5.00000	
30	1,1,2-Trichloroethane	97	10.370	10.370	(1.021)	9935	1.00000	1.00578
31	Tetrachloroethene	164	10.466	10.466	(1.031)	9612	1.00000	1.01512
32	Chlorobenzene	112	11.459	11.459	(1.129)	37929	1.00000	1.01659
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	20707	1.00000	1.03986
209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	12842	1.00000	1.00873
34	m,p-Xylene	106	11.613	11.613	(1.144)	41441	2.00000	2.00880
36	o-Xylene	106	12.062	12.062	(1.188)	20279	1.00000	1.02790
37	Styrene	104	12.062	12.062	(1.188)	34269	1.00000	0.998923
38	a-Pinene	93	12.336	12.336	(1.215)	28930	1.00000	1.04044
39	1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	15114	1.00000	0.984252
40	Propylbenzene	91	12.748	12.748	(1.256)	54441	1.00000	1.05074
210	1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	6517	1.00000	0.998597
41	1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	71681	1.00000	1.05781
42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	59812	1.00000	1.06104
43	R-(+)-Limonene	68	13.470	13.470	(1.327)	15509	1.00000	1.04096
44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	38396	1.00000	1.05231
45	1,4-Dichlorobenzene	146	13.638	13.638	(1.343)	27277	1.00000	1.02040
46	1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	32997	1.00000	1.04780
47	1,4-Dithiane	120	14.482	14.482	(1.426)	18698	1.00000	1.01716
48	1,2,4-Trichlorobenzene	180	15.592	15.592	(1.536)	25571	1.00000	1.03345
49	Naphthalene	128	15.905	15.905	(1.567)	88752	1.00000	1.03520
50	1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	25147	1.00000	1.03819

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042708sim.d
Lab Smp Id: 2595-224-1.0
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: Level 6
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	186693	-13.62

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042708sim.d

Date : 27-APR-2015 10:38

Client ID: Level 6

Instrument: msd10.i

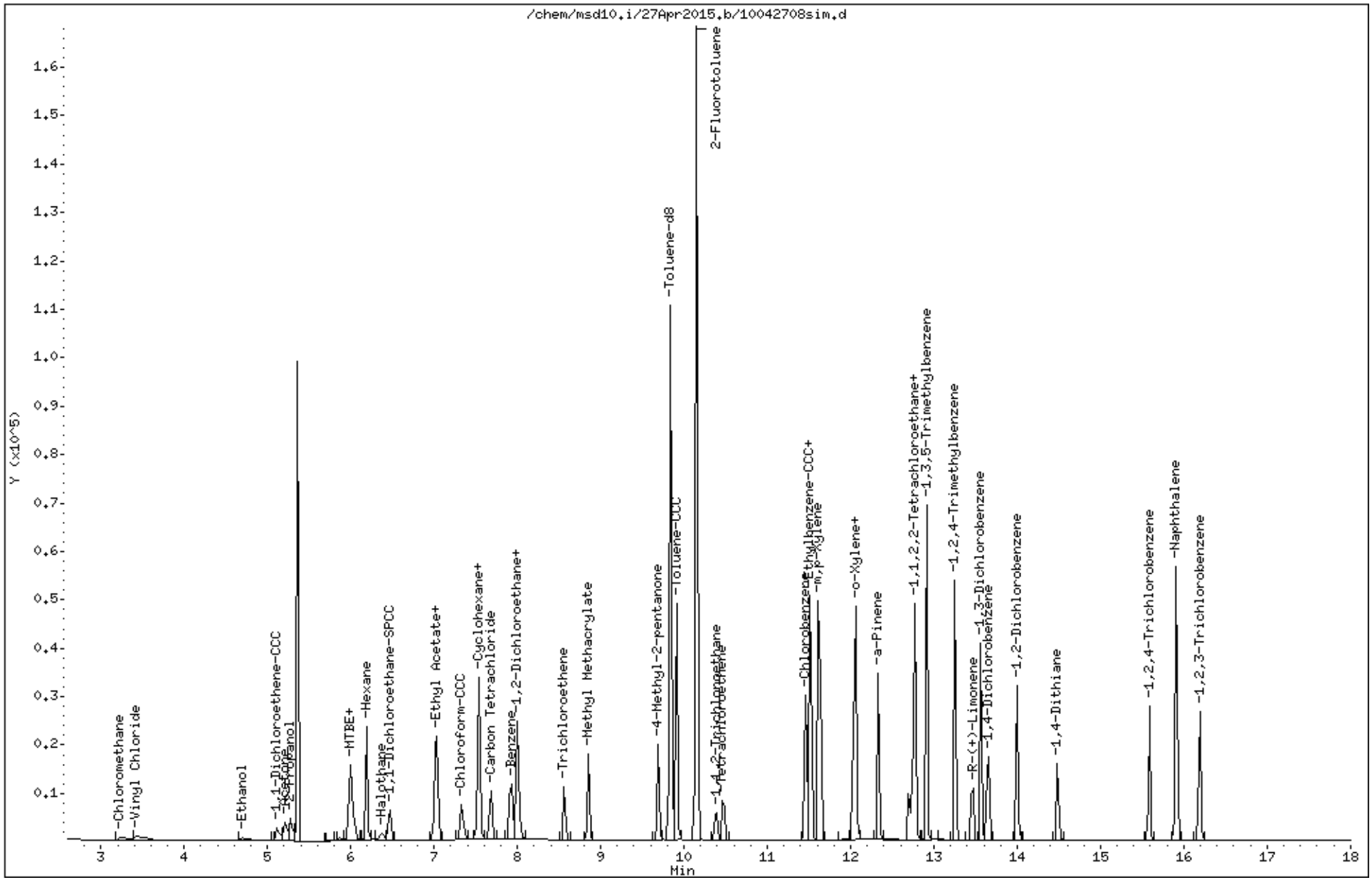
Sample Info: ;2595-224-1.0;Level 6

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042709sim.d
Lab Smp Id: 2595-224-5.0 Client Smp ID: Level 7
Inj Date : 27-APR-2015 11:01
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-5.0;Level 7
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 14:05 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.227	(0.318)	9253	5.00000	5.18835(M)
2	Vinyl Chloride	62	3.420	3.420	(0.337)	14494	5.00000	4.56556
3	Ethanol	45	4.696	4.696	(0.463)	9468	5.00000	4.64474
4	1,1-Dichloroethene-CCC	96	5.117	5.117	(0.504)	22605	5.00000	5.54479
5	Acetone	58	5.206	5.206	(0.513)	16773	5.00000	5.06487
6	2-Propanol	45	5.273	5.273	(0.519)	46491	5.00000	4.89602
7	MTBE	73	5.996	5.996	(0.591)	95241	5.00000	4.28556
8	trans-1,2-Dichloroethene	96	6.051	6.051	(0.596)	28961	5.00000	4.52165(H)
9	Hexane	57	6.216	6.216	(0.612)	95034	5.00000	4.63097
10	Halothane	117	6.377	6.377	(0.628)	18997	5.00000	4.63174
11	1,1-Dichloroethane-SPCC	63	6.474	6.474	(0.638)	62255	5.00000	4.47497
12	Ethyl Acetate	70	7.013	7.013	(0.691)	9714	5.00000	4.37907
13	2-Butanone	72	7.036	7.036	(0.693)	21709	5.00000	4.39884
14	cis-1,2-Dichloroethene	96	7.058	7.058	(0.695)	34843	5.00000	4.53866
15	Chloroform-CCC	83	7.352	7.352	(0.724)	54967	5.00000	4.35009
16	Cyclohexane	84	7.537	7.537	(0.742)	75506	5.00000	4.31538

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
17	1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	66003	5.00000	4.31201
18	Carbon Tetrachloride	117	7.691	7.691	(0.758)	66168	5.00000	4.84344
19	Benzene	78	7.938	7.938	(0.782)	165041	5.00000	4.71746
20	1,2-Dichloroethane	62	7.999	7.999	(0.788)	70528	5.00000	4.71714
21	Heptane	71	8.030	8.030	(0.791)	44681	5.00000	4.29714
22	Trichloroethene	130	8.562	8.562	(0.843)	47743	5.00000	4.34048
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	51764	5.00000	4.51685
25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	22657	5.00000	4.65429
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	194677	5.00000	4.98512
28	Toluene-CCC	92	9.912	9.912	(0.976)	146012	5.00000	4.41204
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	216118	5.00000	
30	1,1,2-Trichloroethane	97	10.370	10.370	(1.021)	48308	5.00000	4.46123
31	Tetrachloroethene	164	10.466	10.466	(1.031)	46343	5.00000	4.41621
32	Chlorobenzene	112	11.459	11.459	(1.129)	183414	5.00000	4.41441
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	100857	5.00000	4.44169
209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	63211	5.00000	4.45819
34	m,p-Xylene	106	11.613	11.613	(1.144)	213353	10.0000	8.98179
36	o-Xylene	106	12.062	12.062	(1.188)	102007	5.00000	4.38647
37	Styrene	104	12.062	12.062	(1.188)	181449	5.00000	4.67665
38	a-Pinene	93	12.336	12.336	(1.215)	147183	5.00000	4.58822
39	1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	76406	5.00000	4.47676
40	Propylbenzene	91	12.748	12.748	(1.256)	273923	5.00000	4.48133
210	1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	31735	5.00000	4.54708
41	1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	366779	5.00000	4.87795
42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	300280	5.00000	4.78629
43	R-(+)-Limonene	68	13.470	13.470	(1.327)	81740	5.00000	4.46955
44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	187046	5.00000	4.65442
45	1,4-Dichlorobenzene	146	13.638	13.638	(1.343)	137817	5.00000	4.47978
46	1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	160117	5.00000	4.57230
47	1,4-Dithiane	120	14.482	14.482	(1.426)	100618	5.00000	4.63026
48	1,2,4-Trichlorobenzene	180	15.592	15.592	(1.536)	125588	5.00000	4.40966
49	Naphthalene	128	15.905	15.905	(1.567)	453293	5.00000	4.58110
50	1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	124802	5.00000	4.48833

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042709sim.d
Lab Smp Id: 2595-224-5.0
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: Level 7
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	216118	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042709sim.d

Date : 27-APR-2015 11:01

Client ID: Level 7

Instrument: msd10.i

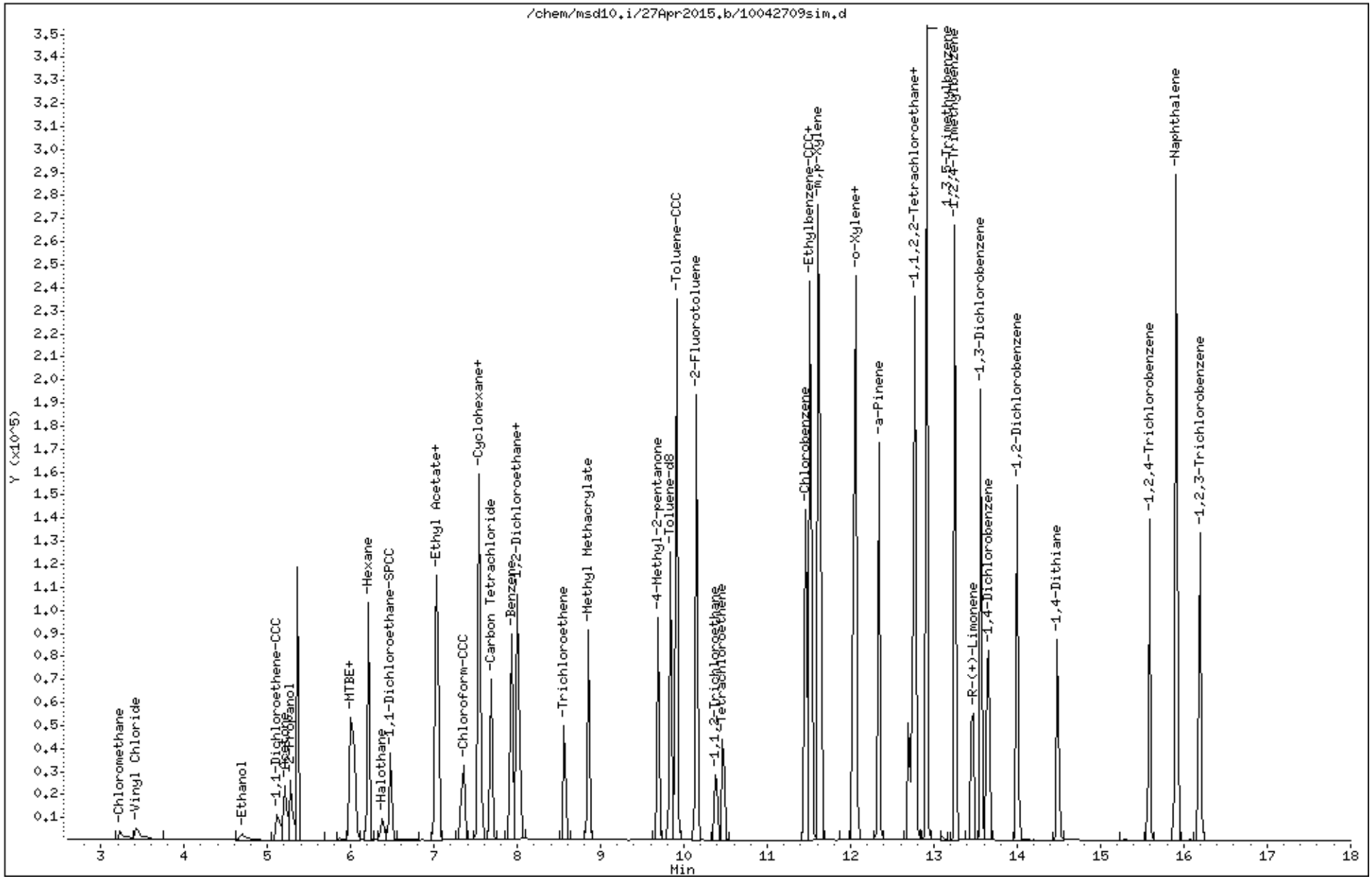
Sample Info: ;2595-224-5.0;Level 7

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042710sim.d
Lab Smp Id: 2595-224-20 Client Smp ID: Level 8
Inj Date : 27-APR-2015 11:25
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-20;Level 8
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 11:53 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:25 Cal File: 10042710sim.d
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.227	(0.318)	41181	20.0000	17.8631
2	Vinyl Chloride	62	3.420	3.420	(0.337)	79506	20.0000	18.6002
3	Ethanol	45	4.696	4.696	(0.463)	46783	20.0000	18.3784
4	1,1-Dichloroethene-CCC	96	5.117	5.117	(0.504)	109550	20.0000	20.6640
5	Acetone	58	5.206	5.206	(0.513)	84050	20.0000	20.5080
6	2-Propanol	45	5.273	5.273	(0.519)	227646	20.0000	19.6578
7	MTBE	73	6.024	5.996	(0.593)	465667	20.0000	16.5975
8	trans-1,2-Dichloroethene	96	6.079	6.051	(0.599)	144638	20.0000	18.4712
9	Hexane	57	6.243	6.216	(0.615)	352642	20.0000	13.3186
10	Halothane	117	6.377	6.377	(0.628)	94738	20.0000	18.6106
11	1,1-Dichloroethane-SPCC	63	6.498	6.474	(0.640)	314839	20.0000	18.3880
12	Ethyl Acetate	70	7.036	7.013	(0.693)	48665	20.0000	17.6604
13	2-Butanone	72	7.058	7.036	(0.695)	110922	20.0000	18.3865
14	cis-1,2-Dichloroethene	96	7.058	7.058	(0.695)	171223	20.0000	18.3151
15	Chloroform-CCC	83	7.352	7.352	(0.724)	316382	20.0000	20.3023
16	Cyclohexane	84	7.568	7.537	(0.745)	304114	20.0000	14.8805

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
17	1,1,1-Trichloroethane	97	7.568	7.537	(0.745)	284180	20.0000	15.6357
18	Carbon Tetrachloride	117	7.691	7.691	(0.758)	315128	20.0000	19.1051
19	Benzene	78	7.938	7.938	(0.782)	952212	20.0000	22.0038
20	1,2-Dichloroethane	62	7.999	7.999	(0.788)	352362	20.0000	18.9528
21	Heptane	71	8.030	8.030	(0.791)	268368	20.0000	21.3688
22	Trichloroethene	130	8.586	8.562	(0.846)	215266	20.0000	16.2257
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	247292	20.0000	18.4601
25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	102877	20.0000	18.2454
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	223311	5.00000	5.07962(A)
28	Toluene-CCC	92	9.912	9.912	(0.976)	652192	20.0000	16.6365
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	243631	5.00000	
30	1,1,2-Trichloroethane	97	10.370	10.370	(1.021)	214530	20.0000	16.6424
31	Tetrachloroethene	164	10.466	10.466	(1.031)	206674	20.0000	16.7258
32	Chlorobenzene	112	11.459	11.459	(1.129)	816684	20.0000	16.7735
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	448437	20.0000	17.2566
209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	281380	20.0000	16.9368
34	m,p-Xylene	106	11.613	11.613	(1.144)	949992	40.0000	35.2875
36	o-Xylene	106	12.061	12.062	(1.188)	451232	20.0000	17.5266
37	Styrene	104	12.061	12.062	(1.188)	800810	20.0000	17.8877
38	a-Pinene	93	12.336	12.336	(1.215)	642132	20.0000	17.6965
39	1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	333969	20.0000	16.6659
40	Propylbenzene	91	12.748	12.748	(1.256)	1251145	20.0000	18.5043
210	1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	134953	20.0000	15.8460
41	1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	1575756	20.0000	17.8191
42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	1304546	20.0000	17.7336
43	R-(+)-Limonene	68	13.470	13.470	(1.327)	356327	20.0000	18.3271
44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	800924	20.0000	16.8208
45	1,4-Dichlorobenzene	146	13.663	13.638	(1.346)	594202	20.0000	17.0335
46	1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	685748	20.0000	16.6864
47	1,4-Dithiane	120	14.482	14.482	(1.426)	455001	20.0000	18.9672
48	1,2,4-Trichlorobenzene	180	15.591	15.592	(1.536)	539134	20.0000	16.6969
49	Naphthalene	128	15.905	15.905	(1.567)	1936362	20.0000	17.3072
50	1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	528516	20.0000	16.7203

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042710sim.d
Lab Smp Id: 2595-224-20
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: Level 8
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	243631	12.73

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042710sim.d

Date : 27-APR-2015 11:25

Client ID: Level 8

Instrument: msd10.i

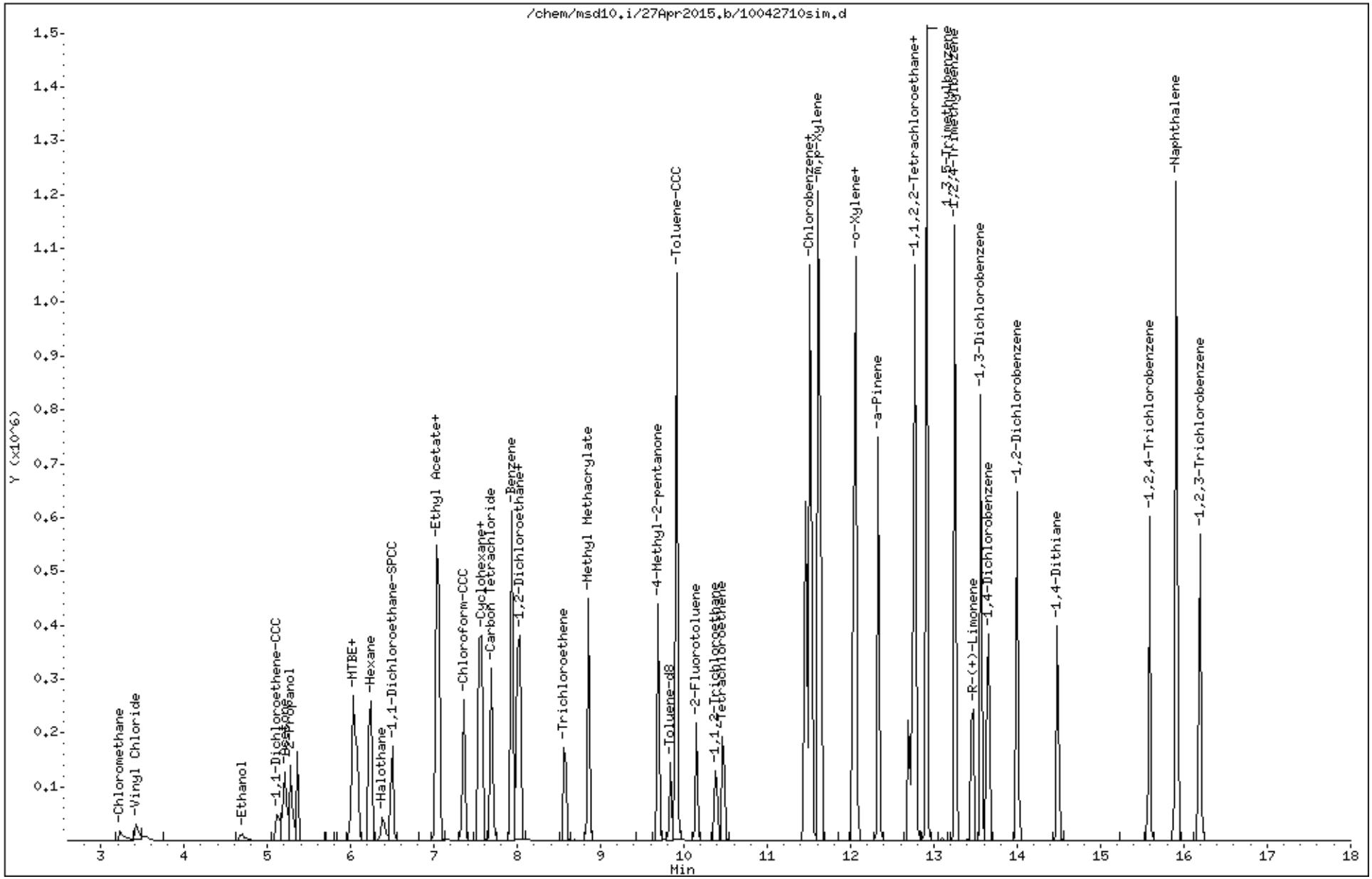
Sample Info: ;2595-224-20;Level 8

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042711sim.d
Lab Smp Id: 2595-224-50 Client Smp ID: Level 9
Inj Date : 27-APR-2015 11:48
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-50;Level 9
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 12:23 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:48 Cal File: 10042711sim.d
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-cm.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
2 Vinyl Chloride	62	3.420	3.420	(0.337)	160256	50.0000	43.7041
3 Ethanol	45	4.697	4.696	(0.463)	107173	50.0000	48.3369
4 1,1-Dichloroethene-CCC	96	5.117	5.117	(0.504)	169721	50.0000	38.0126
5 Acetone	58	5.206	5.206	(0.513)	164006	50.0000	44.6829
6 2-Propanol	45	5.274	5.273	(0.519)	497667	50.0000	49.1980
7 MTBE	73	5.996	5.996	(0.591)	1053302	50.0000	43.6426
8 trans-1,2-Dichloroethene	96	6.051	6.051	(0.596)	336199	50.0000	49.1584
9 Hexane	57	6.189	6.216	(0.610)	709214	50.0000	32.1429
10 Halothane	117	6.377	6.377	(0.628)	189467	50.0000	43.3081
11 1,1-Dichloroethane-SPCC	63	6.474	6.474	(0.638)	637452	50.0000	43.3190
12 Ethyl Acetate	70	7.013	7.013	(0.691)	99598	50.0000	42.3234
13 2-Butanone	72	7.036	7.036	(0.693)	226078	50.0000	43.5728
14 cis-1,2-Dichloroethene	96	7.036	7.058	(0.693)	351404	50.0000	43.6904
15 Chloroform-CCC	83	7.322	7.352	(0.721)	550590	50.0000	41.3381
16 Cyclohexane	84	7.537	7.537	(0.742)	842044	50.0000	47.3928
17 1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	737231	50.0000	46.7437

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
18	Carbon Tetrachloride	117	7.691	7.691	(0.758)	644831	50.0000	45.2424
19	Benzene	78	7.938	7.938	(0.782)	1606673	50.0000	43.4933
20	1,2-Dichloroethane	62	8.000	7.999	(0.788)	676763	50.0000	42.4573
21	Heptane	71	8.030	8.030	(0.791)	463950	50.0000	43.0199
22	Trichloroethene	130	8.562	8.562	(0.843)	486806	50.0000	42.7610
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	550259	50.0000	47.2654
25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	237156	50.0000	48.2950
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	193429	5.00000	5.02097
28	Toluene-CCC	92	9.912	9.912	(0.976)	1518894	50.0000	44.8838
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	213383	5.00000	
30	1,1,2-Trichloroethane	97	10.394	10.370	(1.024)	495659	50.0000	44.5816
31	Tetrachloroethene	164	10.466	10.466	(1.031)	485282	50.0000	45.4260
32	Chlorobenzene	112	11.459	11.459	(1.129)	1972284	50.0000	46.6876
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	1145110	50.0000	50.2730
209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	684292	50.0000	47.3795
34	m,p-Xylene	106	11.639	11.613	(1.146)	2314355	100.000	98.3549
36	o-Xylene	106	12.062	12.062	(1.188)	1176230	50.0000	51.8825
37	Styrene	104	12.062	12.062	(1.188)	1767139	50.0000	45.6307
38	a-Pinene	93	12.336	12.336	(1.215)	1579174	50.0000	49.7282
39	1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	769872	50.0000	44.5478
40	Propylbenzene	91	12.775	12.748	(1.258)	3002659	50.0000	50.6152
210	1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	303632	50.0000	41.6743
41	1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	3769869	50.0000	48.8359
42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	3141359	50.0000	48.9080
43	R-(+)-Limonene	68	13.470	13.470	(1.327)	939969	50.0000	54.0744
44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	1975282	50.0000	47.6789
45	1,4-Dichlorobenzene	146	13.663	13.638	(1.346)	1455181	50.0000	47.9118
46	1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	1712362	50.0000	47.8642
47	1,4-Dithiane	120	14.482	14.482	(1.426)	1165790	50.0000	54.7354
48	1,2,4-Trichlorobenzene	180	15.592	15.592	(1.536)	1396162	50.0000	49.4462
49	Naphthalene	128	15.905	15.905	(1.567)	5002028	50.0000	50.9126
50	1,2,3-Trichlorobenzene	180	16.195	16.194	(1.595)	1386076	50.0000	50.0580

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042711sim.d
Lab Smp Id: 2595-224-50
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: Level 9
Level: MED
Sample Type: AIR

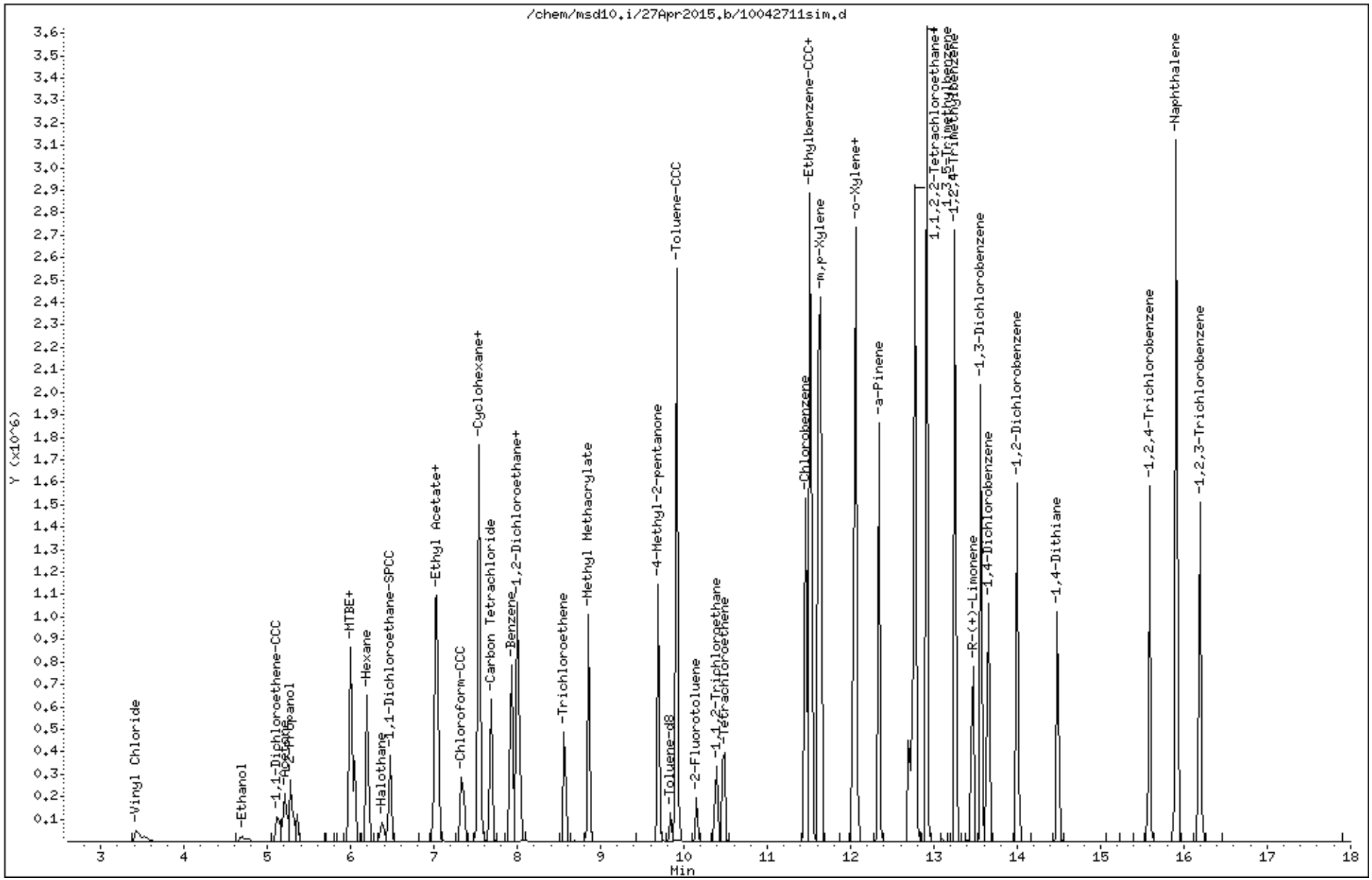
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	213383	-1.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042711sim.d
Date : 27-APR-2015 11:48
Client ID: Level 9
Sample Info: ;2595-224-50;Level 9
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msd10.i
Operator: gm
Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042712sim.d
Lab Smp Id: 2595-224-500>100 Client Smp ID: Level 10
Inj Date : 27-APR-2015 12:14
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-500>100;Level 10
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 12:39 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 12:14 Cal File: 10042712sim.d
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 100.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
2 Vinyl Chloride	62	3.420	3.420	(0.337)	301600	100.000	77.4744
3 Ethanol	45	4.672	4.696	(0.460)	212210	100.000	88.7462
4 1,1-Dichloroethene-CCC	96	5.117	5.117	(0.504)	402955	100.000	84.2160
5 Acetone	58	5.206	5.206	(0.513)	346074	100.000	87.5706
6 2-Propanol	45	5.273	5.273	(0.519)	1057510	100.000	95.9533
7 MTBE	73	5.996	5.996	(0.591)	2021478	100.000	78.4897
8 trans-1,2-Dichloroethene	96	6.051	6.051	(0.596)	666816	100.000	90.2189
9 Hexane	57	6.216	6.216	(0.612)	1867337	100.000	79.2360
10 Halothane	117	6.377	6.377	(0.628)	410862	100.000	87.0861
11 1,1-Dichloroethane-SPCC	63	6.474	6.474	(0.638)	1384353	100.000	87.2215
12 Ethyl Acetate	70	7.013	7.013	(0.691)	219213	100.000	86.6308
13 2-Butanone	72	7.036	7.036	(0.693)	494359	100.000	88.2280
14 cis-1,2-Dichloroethene	96	7.058	7.058	(0.695)	768135	100.000	88.4146
15 Chloroform-CCC	83	7.352	7.352	(0.724)	1202465	100.000	84.0315
16 Cyclohexane	84	7.537	7.537	(0.742)	1694717	100.000	88.3151
17 1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	1491494	100.000	87.6328

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	18	Carbon Tetrachloride	117	7.691	7.691	(0.758)	1452234	100.000	93.7128
	19	Benzene	78	7.938	7.938	(0.782)	3636682	100.000	91.1621
	20	1,2-Dichloroethane	62	7.999	7.999	(0.788)	1508896	100.000	87.7119
	21	Heptane	71	8.030	8.030	(0.791)	1028186	100.000	88.2775
	22	Trichloroethene	130	8.562	8.562	(0.843)	1050080	100.000	85.6805
	24	Methyl Methacrylate	69	8.851	8.851	(0.872)	1198369	100.000	94.5729
	25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	512843	100.000	95.8675
$	26	Toluene-d8	98	9.839	9.839	(0.969)	210382	5.00000	4.98518
	28	Toluene-CCC	92	9.912	9.912	(0.976)	3217602	100.000	88.0624
*	29	2-Fluorotoluene	109	10.153	10.153	(1.000)	233828	5.00000	
	30	1,1,2-Trichloroethane	97	10.370	10.370	(1.021)	1051579	100.000	87.6463
	31	Tetrachloroethene	164	10.466	10.466	(1.031)	1025924	100.000	88.8579
	32	Chlorobenzene	112	11.459	11.459	(1.129)	4025056	100.000	88.2290
	33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	2291090	100.000	92.6346
	209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	1416770	100.000	90.5732
	34	m,p-Xylene	106	11.639	11.613	(1.146)	4839832	200.000	188.860
	36	o-Xylene	106	12.062	12.062	(1.188)	2482274	100.000	99.9266
	37	Styrene	104	12.062	12.062	(1.188)	3744887	100.000	89.4125
	38	a-Pinene	93	12.336	12.336	(1.215)	3200837	100.000	92.8081
	39	1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	1672863	100.000	89.4947
	40	Propylbenzene	91	12.775	12.748	(1.258)	6984184	100.000	106.556(A)
	210	1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	619221	100.000	79.5419
	41	1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	7350140	100.000	88.1748
	42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	5953932	100.000	86.0655
	43	R-(+)-Limonene	68	13.470	13.470	(1.327)	2136376	100.000	109.928(A)
	44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	3800937	100.000	85.2663
	45	1,4-Dichlorobenzene	146	13.663	13.638	(1.346)	3151825	100.000	95.2612
	46	1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	3379046	100.000	87.5360
	47	1,4-Dithiane	120	14.482	14.482	(1.426)	2381222	100.000	101.797
	48	1,2,4-Trichlorobenzene	180	15.592	15.592	(1.536)	2960090	100.000	96.1305
	49	Naphthalene	128	15.905	15.905	(1.567)	10223324	100.000	95.4935(A)
	50	1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	2852540	100.000	94.6414

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042712sim.d
Lab Smp Id: 2595-224-500>100
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: Level 10
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	233828	8.19

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042712sim.d

Date : 27-APR-2015 12:14

Client ID: Level 10

Sample Info: ;2595-224-500>100;Level 10

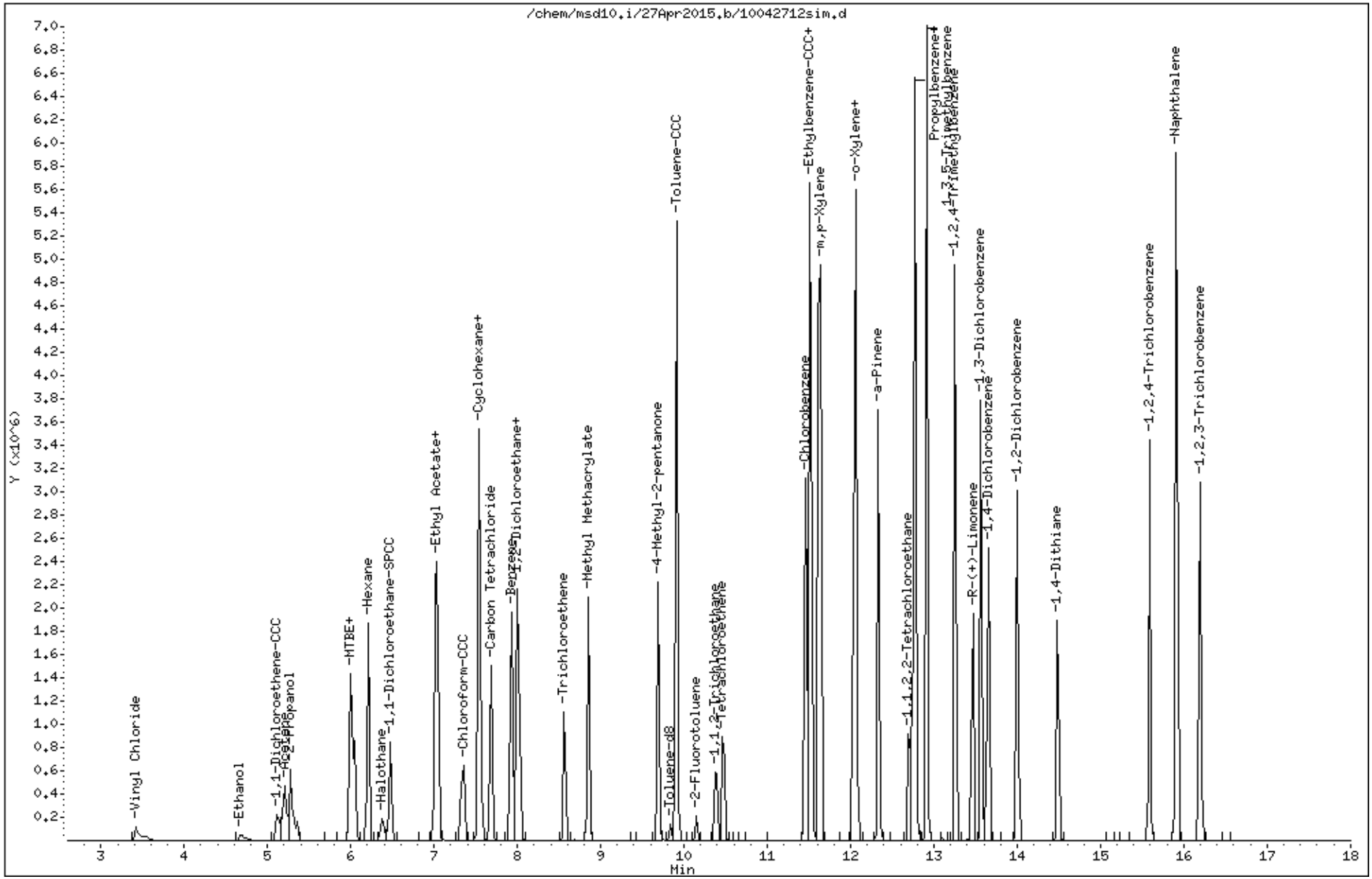
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: gm

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042713sim.d
Lab Smp Id: 2595-224-500>200 Client Smp ID: Level 11
Inj Date : 27-APR-2015 12:37
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-500>200;Level 11
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 13:07 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 12:37 Cal File: 10042713sim.d
Als bottle: 13 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 200.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
2	Vinyl Chloride	62	3.444	3.420	(0.339)	485022	200.000	140.599
3	Ethanol	45	4.696	4.696	(0.463)	348267	200.000	162.216(A)
4	1,1-Dichloroethene-CCC	96	5.116	5.117	(0.504)	576438	200.000	136.303
5	Acetone	58	5.206	5.206	(0.513)	555160	200.000	156.962
6	2-Propanol	45	5.273	5.273	(0.519)	1823673	200.000	182.064
7	MTBE	73	5.996	5.996	(0.591)	3323808	200.000	144.735
8	trans-1,2-Dichloroethene	96	6.024	6.051	(0.593)	934844	200.000	142.564
9	Hexane	57	6.188	6.216	(0.610)	3498888	200.000	164.711
10	Halothane	117	6.377	6.377	(0.628)	651978	200.000	154.192
11	1,1-Dichloroethane-SPCC	63	6.450	6.474	(0.635)	2133560	200.000	150.304
12	Ethyl Acetate	70	7.013	7.013	(0.691)	347778	200.000	153.857
13	2-Butanone	72	7.036	7.036	(0.693)	781090	200.000	155.434
14	cis-1,2-Dichloroethene	96	7.036	7.058	(0.693)	1209486	200.000	155.244
15	Chloroform-CCC	83	7.321	7.352	(0.721)	2122123	200.000	164.541
16	Cyclohexane	84	7.537	7.537	(0.742)	2990026	200.000	172.163
17	1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	2666237	200.000	173.009

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
18	Carbon Tetrachloride	117	7.691	7.691	(0.758)	2065906	200.000	149.153
19	Benzene	78	7.938	7.938	(0.782)	5417042	200.000	152.739
20	1,2-Dichloroethane	62	7.999	7.999	(0.788)	2108019	200.000	137.930
21	Heptane	71	8.030	8.030	(0.791)	1649027	200.000	157.674
22	Trichloroethene	130	8.562	8.562	(0.843)	1806791	200.000	163.648
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	2005514	200.000	174.638
25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	878699	200.000	180.864
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	196295	5.00000	5.05546(A)
28	Toluene-CCC	92	9.912	9.912	(0.976)	5548733	200.000	168.162
* 29	2-Fluorotoluene	109	10.152	10.153	(1.000)	214899	5.00000	
30	1,1,2-Trichloroethane	97	10.394	10.370	(1.024)	1816366	200.000	167.681
31	Tetrachloroethene	164	10.490	10.466	(1.033)	1799243	200.000	172.184
32	Chlorobenzene	112	11.458	11.459	(1.129)	7059800	200.000	171.086(A)
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	4097369	200.000	182.056
209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	2382598	200.000	168.623
34	m,p-Xylene	106	11.639	11.613	(1.146)	9550627	400.000	405.003(A)
36	o-Xylene	106	12.061	12.062	(1.188)	5020852	200.000	217.754(A)
37	Styrene	104	12.089	12.062	(1.191)	6053451	200.000	157.262(A)
38	a-Pinene	93	12.336	12.336	(1.215)	5243544	200.000	165.428(A)
39	1,1,2,2-Tetrachloroethane-SPC	83	12.720	12.693	(1.253)	2980966	200.000	175.850
210	1,2,3-Trichloropropane	110	12.803	12.775	(1.261)	1074406	200.000	154.006
41	1,3,5-Trimethylbenzene	105	12.912	12.913	(1.272)	10824022	200.000	145.559(A)
42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	9712568	200.000	156.459(A)
43	R-(+)-Limonene	68	13.470	13.470	(1.327)	4498916	200.000	251.884(A)
44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	6192470	200.000	154.935
45	1,4-Dichlorobenzene	146	13.662	13.638	(1.346)	6247465	200.000	204.897
46	1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	5790660	200.000	166.281
47	1,4-Dithiane	120	14.482	14.482	(1.426)	4322125	200.000	201.045
48	1,2,4-Trichlorobenzene	180	15.591	15.592	(1.536)	5445701	200.000	193.160
49	Naphthalene	128	15.905	15.905	(1.567)	18335838	200.000	187.636(A)
50	1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	5219298	200.000	189.516

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042713sim.d
Lab Smp Id: 2595-224-500>200
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: Level 11
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	214899	-0.56

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042713sim.d

Date : 27-APR-2015 12:37

Client ID: Level 11

Sample Info: ;2595-224-500>200;Level 11

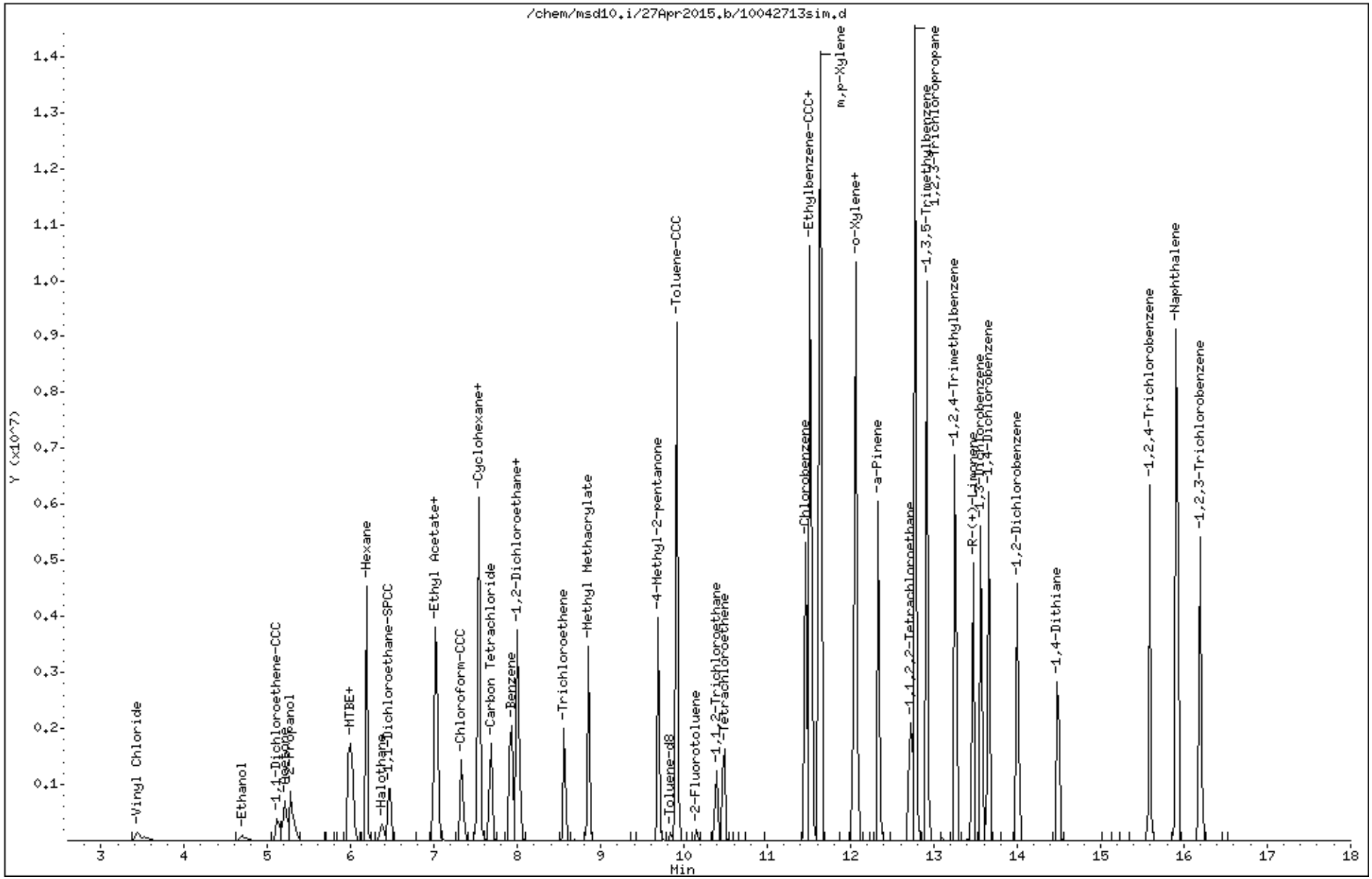
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msd10.i

Operator: gm

Column diameter: 0.25



Instrument: MSD-10
Analysis: Passive SE GC/MS (Rad 130)
extraction Date: 12/17/14
Std. ID: 2595-199-5-0 (20µL Spiked)
Sample Final Volume: 20mL

Report Date : 18-Dec-2014 07:48

Eurofins Air Toxics Inc.
METHOD DETECTION LIMIT SUMMARY REPORT

Method File: /chem/msd10.i/17Dec2014.b/104r1210.m/104r1210b.m
Batch File: /chem/msd10.i/17Dec2014.b
Inst ID: msd10.i

ID:	MDL01	MDL02	MDL03	MDL04	MDL05	MDL06	MDL07
FILENAME:	10121705sim	10121706sim	10121707sim	10121708sim	10121709sim	10121710sim	I0121711sim
INJ.DATE:	17-DEC-2014	17-DEC-2014	17-DEC-2014	17-DEC-2014	17-DEC-2014	17-DEC-2014	17-DEC-2014
INJ.TIME:	09:03	09:27	09:50	10:14	10:37	11:01	11:25

Compound	MDL01	MDL02	MDL03	MDL04	MDL05	MDL06	MDL07	AVG CONC	STD DEV	MDL (ng)	MDL (ug)	RL (ug)	Amt. Spiked (ug)
1 Chloromethane	✓ 73.47	✓ 84.34	✓ 94.56	✓ 81.05	✓ 82.41	✓ 77.86	✓ 85.28	✓ 82.71	✓ 6.60	✓ 20.75	-0.02075	0.40	0.10
2 Vinyl Chloride	81.06	90.68	93.63	99.19	99.09	82.30	93.63	91.37	7.30	22.95	-0.02295	0.40	
3 Ethanol	66.04	66.83	67.27	91.42	86.99	56.54	67.56	71.81	12.55	39.45	-0.03945	1.0	
4 1,1-Dichloroethene-CCC	87.19	93.27	98.86	98.31	102.23	87.40	94.80	94.58	5.75	18.08	-0.01808	0.40	
5 Acetone	129.28	132.84	131.04	140.24	136.60	131.61	143.51	135.02	5.28	16.58	-0.01658	0.20	
6 2-Propanol	101.16	77.85	97.58	83.93	92.54	96.80	102.25	93.16	9.12	28.67	-0.02867	0.20	
7 MTBE	108.46	109.14	126.75	125.56	129.53	108.67	119.98	118.30	9.37	29.45	-0.02945	0.10	
8 trans-1,2-Dichloroethe	98.33	88.12	58.22	76.85	78.44	83.24	75.58	79.83	12.37	38.89	-0.03889	0.20	
9 Hexane	143.02	116.33	97.23	109.13	103.29	115.15	103.83	112.57	15.04	47.27	-0.04727	0.10	
10 Halothane	98.57	101.88	108.59	111.24	116.76	100.85	106.51	106.34	6.43	20.21	-0.02021		
11 1,1-Dichloroethane-SPC	97.26	112.09	122.70	113.30	114.17	111.06	105.20	110.83	7.92	24.88	-0.02488		
12 Ethyl Acetate	100.97	105.09	110.29	110.06	117.02	101.18	105.69	107.18	5.71	17.96	-0.01796		
13 2-Butanone	99.12	108.75	110.07	115.11	116.83	102.95	108.82	108.81	6.24	19.62	-0.01962		
14 cis-1,2-Dichloroethene	97.24	99.34	103.87	118.80	123.15	97.78	116.78	108.14	11.07	34.79	-0.03479		
15 Chloroform-CCC	118.14	118.85	115.18	125.63	125.76	128.01	127.91	122.78	5.25	16.50	-0.01650		
16 Cyclohexane	97.95	101.13	111.98	109.76	116.64	111.10	115.65	109.17	7.08	22.24	-0.02224		
17 1,1,1-Trichloroethane	95.23	101.86	115.25	111.68	116.71	103.55	105.13	107.06	7.79	24.50	-0.02450		

Reviewer 1 JMasnana Date: 12/18/14
Reviewer 2 Date: 12/18/14

Eurofins Air Toxics Inc.
METHOD DETECTION LIMIT SUMMARY REPORT

Method File: /chem/msd10.i/17Dec2014.b/104r1210.m/104r1210b.m
Batch File: /chem/msd10.i/17Dec2014.b
Inst ID: msd10.i

	Compound	MDL01	MDL02	MDL03	MDL04	MDL05	MDL06	MDL07	AVG CONC	STD DEV	MDL (ng)	MDL (ug)
	18 Carbon Tetrachloride	110.59	106.55	107.58	111.86	108.22	106.70	103.12	107.80	2.86	8.99	0.00899
	19 Benzene	202.81	202.93	171.15	224.68	213.48	207.64	199.47	203.16	16.47	51.78	0.05178
	20 1,2-Dichloroethane	115.91	122.88	101.09	132.29	128.65	123.59	116.34	120.11	10.28	32.32	0.03232
	21 Heptane	109.88	110.22	139.27	114.42	127.61	107.80	118.32	118.22	11.46	36.02	0.03602
	22 Trichloroethene	98.42	107.43	110.65	107.86	108.90	107.62	107.79	106.95	3.92	12.33	0.01233
	23 Ethyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
	24 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
	25 4-Methyl-2-pentanone	92.50	92.17	95.60	97.34	97.09	93.71	93.01	94.49	2.17	6.83	0.00683
$	26 Toluene-d8	10.18	10.28	10.33	10.27	10.31	10.33	10.32	10.29	0.05	0.17	-Sum
	27 2-Chloroethyl Vinyl Et	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
	28 Toluene-CCC	165.36	163.08	167.28	171.88	169.08	163.22	159.84	165.68	4.07	12.81	0.01281
*	29 2-Fluorotoluene	10000.00	10000.00	10000.00	10000.00	10000.00	10000.00	10000.00	10000.00	0.00	0.00	-IS
	30 1,1,2-Trichloroethane	98.96	102.37	108.96	112.05	108.25	103.66	102.44	105.24	4.60	14.47	-0.01447
	31 Tetrachloroethene	105.25	106.97	111.06	117.14	114.32	109.44	105.52	109.96	4.53	14.23	-0.01423
	32 Chlorobenzene	92.41	92.00	94.21	99.01	98.14	93.18	91.61	94.37	3.01	9.45	-0.00945
	33 Ethylbenzene-CCC	112.19	111.05	115.56	117.12	116.09	114.72	108.22	113.56	3.19	10.03	-0.01003
	209 1,1,1,2-Tetrachloroeth	99.94	99.54	103.55	107.41	103.94	99.93	99.40	101.96	3.08	9.67	-0.00967
	34 m,p-Xylene	240.94	239.81	250.30	258.67	249.20	243.32	233.66	245.13	8.24	25.89	-0.02589
	35 n-Butyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
	36 o-Xylene	93.69	99.17	105.76	104.51	105.93	100.47	98.19	101.10	4.55	14.30	-0.01430
	37 Styrene	18.96	19.49	22.46	26.33	24.53	23.02	21.11	22.27	2.65	8.33	-0.00833
	38 a-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

RL (ug)
0.10
0.40
0.10
↓
0.20
0.10
↓

Anti. Spiked (ug)
0.10
↓

Eurofins Air Toxics Inc.
METHOD DETECTION LIMIT SUMMARY REPORT

Method File: /chem/msd10.i/17Dec2014.b/104r1210.m/104r1210b.m
Batch File: /chem/msd10.i/17Dec2014.b
Inst ID: msd10.i

Compound	MDL01	MDL02	MDL03	MDL04	MDL05	MDL06	MDL07	AVG CONC	STD DEV	MDL (ng)	MDL (µg)
39 1,1,2,2-Tetrachloroeth	102.31	104.49	104.58	110.73	110.07	105.35	103.48	105.86	3.25	10.22	0.01022
40 Propylbenzene	97.33	97.48	103.34	106.41	102.42	100.70	98.76	100.92	3.36	10.56	0.01056
210 1,2,3-Trichloropropane	100.53	103.33	105.90	107.02	108.80	113.69	109.18	106.92	4.27	13.41	0.01341
41 1,3,5-Trimethylbenzene	108.40	108.87	106.51	115.96	112.54	110.28	108.52	110.16	3.16	9.95	0.00995
42 1,2,4-Trimethylbenzene	109.02	116.24	110.46	120.64	115.37	113.37	117.61	114.67	4.05	12.74	0.01274
43 R-(+)-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
44 1,3-Dichlorobenzene	85.11	87.72	85.91	92.29	94.07	89.02	84.96	88.44	3.58	11.26	0.01126
45 1,4-Dichlorobenzene	79.94	82.71	86.64	92.56	89.36	86.89	82.40	85.79	4.39	13.80	0.01380
46 1,2-Dichlorobenzene	75.94	77.73	77.76	85.72	82.19	79.97	76.95	79.47	3.45	10.85	0.01085
47 1,4-Dithiane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
48 1,2,4-Trichlorobenzene	63.52	66.90	65.96	72.03	72.60	71.75	65.67	68.35	3.68	11.58	0.01158
49 Naphthalene	8.26	7.13	6.68	8.02	7.73	7.31	6.71	7.41	0.62	1.95	0.00195
50 1,2,3-Trichlorobenzene	50.52	54.36	53.24	62.68	59.77	60.68	52.95	56.31	4.65	14.60	0.01460
51 2,2,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

RL (µg) 0.10

Amt. Spiked (µg) 0.10

Eurofins Air Toxics Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd10.i Injection Date: 27-APR-2015 11:01
Lab File ID: 10042709sima.d Init. Cal. Date(s): 27-APR-2015 27-APR-2015
Analysis Type: AIR Init. Cal. Times: 08:40 13:25
Lab Sample ID: 2595-224-5.0 Quant Type: ISTD
Method: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m

	COMPOUND	RRF / AMOUNT	RF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	1 Chloromethane	0.04126	0.04281	0.020	-3.76701	40.00000	Averaged
	2 Vinyl Chloride	0.07345	0.06707	0.050	8.68880	40.00000	Averaged
	3 Ethanol	0.04716	0.04381	0.030	7.10514	30.00000	Averaged
	4 1,1-Dichloroethene-CCC	0.09432	0.10460	0.050	-10.89574	30.00000	Averaged
	5 Acetone	0.07662	0.07761	0.040	-1.29734	30.00000	Averaged
	6 2-Propanol	0.21969	0.21512	0.050	2.07955	30.00000	Averaged
	7 MTBE	0.51416	0.44069	0.050	14.28883	30.00000	Averaged
	8 trans-1,2-Dichloroethene	0.14818	0.13401	0.050	9.56691	30.00000	Averaged
	9 Hexane	0.47477	0.43973	0.020	7.38050	30.00000	Averaged
	10 Halothane	0.09489	0.08790	0.050	7.36530	30.00000	Averaged
	11 1,1-Dichloroethane-SPCC	0.32186	0.28806	0.050	10.50056	20.00000	Averaged
	12 Ethyl Acetate	0.05132	0.04495	0.050	12.41860	30.00000	Averaged
	13 2-Butanone	0.11418	0.10045	0.050	12.02325	30.00000	Averaged
	14 cis-1,2-Dichloroethene	0.17761	0.16122	0.050	9.22674	20.00000	Averaged
	15 Chloroform-CCC	0.29234	0.25434	0.050	12.99822	20.00000	Averaged
	16 Cyclohexane	0.40480	0.34937	0.050	13.69239	30.00000	Averaged
	17 1,1,1-Trichloroethane	0.35413	0.30540	0.050	13.75982	20.00000	Averaged
	18 Carbon Tetrachloride	0.31606	0.30617	0.050	3.13112	20.00000	Averaged
	19 Benzene	0.80940	0.76366	0.050	5.65082	30.00000	Averaged
	20 1,2-Dichloroethane	0.34591	0.32634	0.050	5.65712	20.00000	Averaged
	21 Heptane	0.24056	0.20674	0.050	14.05714	20.00000	Averaged
	22 Trichloroethene	0.25448	0.22091	0.050	13.19044	20.00000	Averaged
	24 Methyl Methacrylate	0.26514	0.23952	0.050	9.66297	30.00000	Averaged
	25 4-Methyl-2-pentanone	0.11262	0.10484	0.050	6.91422	30.00000	Averaged
$	26 Toluene-d8	0.90348	0.90079	0.050	0.29763	30.00000	Averaged
	28 Toluene-CCC	0.76565	0.67561	0.050	11.75910	20.00000	Averaged
	30 1,1,2-Trichloroethane	0.25052	0.22353	0.050	10.77536	20.00000	Averaged
	31 Tetrachloroethene	0.24278	0.21443	0.050	11.67576	20.00000	Averaged
	32 Chlorobenzene	0.96125	0.84868	0.050	11.71172	20.00000	Averaged
	33 Ethylbenzene-CCC	0.52534	0.46668	0.050	11.16626	20.00000	Averaged
	209 1,1,1,2-Tetrachloroethane	0.32803	0.29248	0.050	10.83617	30.00000	Averaged
	34 m,p-Xylene	0.54956	0.49360	0.050	10.18211	20.00000	Averaged
	36 o-Xylene	0.53801	0.47200	0.050	12.27056	30.00000	Averaged
	37 Styrene	0.89763	0.83958	0.050	6.46693	30.00000	Averaged
	38 a-Pinene	0.74215	0.68103	0.050	8.23553	30.00000	Averaged
	39 1,1,2,2-Tetrachloroethane-S	0.39486	0.35354	0.050	10.46470	30.00000	Averaged

Eurofins Air Toxics Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd10.i Injection Date: 27-APR-2015 11:01
Lab File ID: 10042709sima.d Init. Cal. Date(s): 27-APR-2015 27-APR-2015
Analysis Type: AIR Init. Cal. Times: 08:40 13:25
Lab Sample ID: 2595-224-5.0 Quant Type: ISTD
Method: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m

COMPOUND	RRF / AMOUNT	RF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
40 Propylbenzene	1.41417	1.26747	0.050	10.37343	20.00000	Averaged
210 1,2,3-Trichloropropane	0.16147	0.14684	0.050	9.05847	30.00000	Averaged
41 1,3,5-Trimethylbenzene	1.73959	1.69712	0.050	2.44107	20.00000	Averaged
42 1,2,4-Trimethylbenzene	1.45146	1.38943	0.050	4.27418	20.00000	Averaged
43 R-(+)-Limonene	0.42311	0.37822	0.050	10.60896	30.00000	Averaged
44 1,3-Dichlorobenzene	0.92974	0.86548	0.050	6.91160	30.00000	Averaged
45 1,4-Dichlorobenzene	0.71175	0.63769	0.050	10.40435	30.00000	Averaged
46 1,2-Dichlorobenzene	0.81018	0.74088	0.050	8.55399	30.00000	Averaged
47 1,4-Dithiane	0.50275	0.46557	0.050	7.39475	30.00000	Averaged
48 1,2,4-Trichlorobenzene	0.65890	0.58111	0.050	11.80668	30.00000	Averaged
49 Naphthalene	2.28922	2.09743	0.050	8.37794	30.00000	Averaged
50 1,2,3-Trichlorobenzene	0.64330	0.57747	0.050	10.23338	30.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 8.99165
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042709sima.d
Lab Smp Id: 2595-224-5.0 Client Smp ID: CCV
Inj Date : 27-APR-2015 11:01
Operator : gm Inst ID: msd10.i
Smp Info : ;2595-224-5.0;Level 7
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 13:49 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 13:25 Cal File: 10042715sim.d
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.227	(0.318)	9253	5.00000	5.18835(M)
2	Vinyl Chloride	62	3.420	3.420	(0.337)	14494	5.00000	4.56556
3	Ethanol	45	4.696	4.696	(0.463)	9468	5.00000	4.64474
4	1,1-Dichloroethene-CCC	96	5.117	5.117	(0.504)	22605	5.00000	5.54479
5	Acetone	58	5.206	5.206	(0.513)	16773	5.00000	5.06487
6	2-Propanol	45	5.273	5.273	(0.519)	46491	5.00000	4.89602
7	MTBE	73	5.996	5.996	(0.591)	95241	5.00000	4.28556
8	trans-1,2-Dichloroethene	96	6.051	6.051	(0.596)	28961	5.00000	4.52165(H)
9	Hexane	57	6.216	6.216	(0.612)	95034	5.00000	4.63097
10	Halothane	117	6.377	6.377	(0.628)	18997	5.00000	4.63174
11	1,1-Dichloroethane-SPCC	63	6.474	6.474	(0.638)	62255	5.00000	4.47497
12	Ethyl Acetate	70	7.013	7.013	(0.691)	9714	5.00000	4.37907
13	2-Butanone	72	7.036	7.036	(0.693)	21709	5.00000	4.39884
14	cis-1,2-Dichloroethene	96	7.058	7.058	(0.695)	34843	5.00000	4.53866
15	Chloroform-CCC	83	7.352	7.352	(0.724)	54967	5.00000	4.35009
16	Cyclohexane	84	7.537	7.537	(0.742)	75506	5.00000	4.31538

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
17	1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	66003	5.00000	4.31201
18	Carbon Tetrachloride	117	7.691	7.691	(0.758)	66168	5.00000	4.84344
19	Benzene	78	7.938	7.938	(0.782)	165041	5.00000	4.71746
20	1,2-Dichloroethane	62	7.999	7.999	(0.788)	70528	5.00000	4.71714
21	Heptane	71	8.030	8.030	(0.791)	44681	5.00000	4.29714
22	Trichloroethene	130	8.562	8.562	(0.843)	47743	5.00000	4.34048
24	Methyl Methacrylate	69	8.851	8.851	(0.872)	51764	5.00000	4.51685
25	4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	22657	5.00000	4.65429
$ 26	Toluene-d8	98	9.839	9.839	(0.969)	194677	5.00000	4.98512
28	Toluene-CCC	92	9.912	9.912	(0.976)	146012	5.00000	4.41204
* 29	2-Fluorotoluene	109	10.153	10.153	(1.000)	216118	5.00000	
30	1,1,2-Trichloroethane	97	10.370	10.370	(1.021)	48308	5.00000	4.46123
31	Tetrachloroethene	164	10.466	10.466	(1.031)	46343	5.00000	4.41621
32	Chlorobenzene	112	11.459	11.459	(1.129)	183414	5.00000	4.41441
33	Ethylbenzene-CCC	106	11.510	11.510	(1.134)	100857	5.00000	4.44169
209	1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	63211	5.00000	4.45819
34	m,p-Xylene	106	11.613	11.613	(1.144)	213353	10.0000	8.98179
36	o-Xylene	106	12.062	12.062	(1.188)	102007	5.00000	4.38647
37	Styrene	104	12.062	12.062	(1.188)	181449	5.00000	4.67665
38	a-Pinene	93	12.336	12.336	(1.215)	147183	5.00000	4.58822
39	1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	76406	5.00000	4.47676
40	Propylbenzene	91	12.748	12.748	(1.256)	273923	5.00000	4.48133
210	1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	31735	5.00000	4.54708
41	1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	366779	5.00000	4.87795
42	1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	300280	5.00000	4.78629
43	R-(+)-Limonene	68	13.470	13.470	(1.327)	81740	5.00000	4.46955
44	1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	187046	5.00000	4.65442
45	1,4-Dichlorobenzene	146	13.638	13.638	(1.343)	137817	5.00000	4.47978
46	1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	160117	5.00000	4.57230
47	1,4-Dithiane	120	14.482	14.482	(1.426)	100618	5.00000	4.63026
48	1,2,4-Trichlorobenzene	180	15.592	15.592	(1.536)	125588	5.00000	4.40966
49	Naphthalene	128	15.905	15.905	(1.567)	453293	5.00000	4.58110
50	1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	124802	5.00000	4.48833

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042709sima.d
Lab Smp Id: 2595-224-5.0
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: CCV
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	216118	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042709sima.d

Date : 27-APR-2015 11:01

Client ID: CCV

Instrument: msd10.i

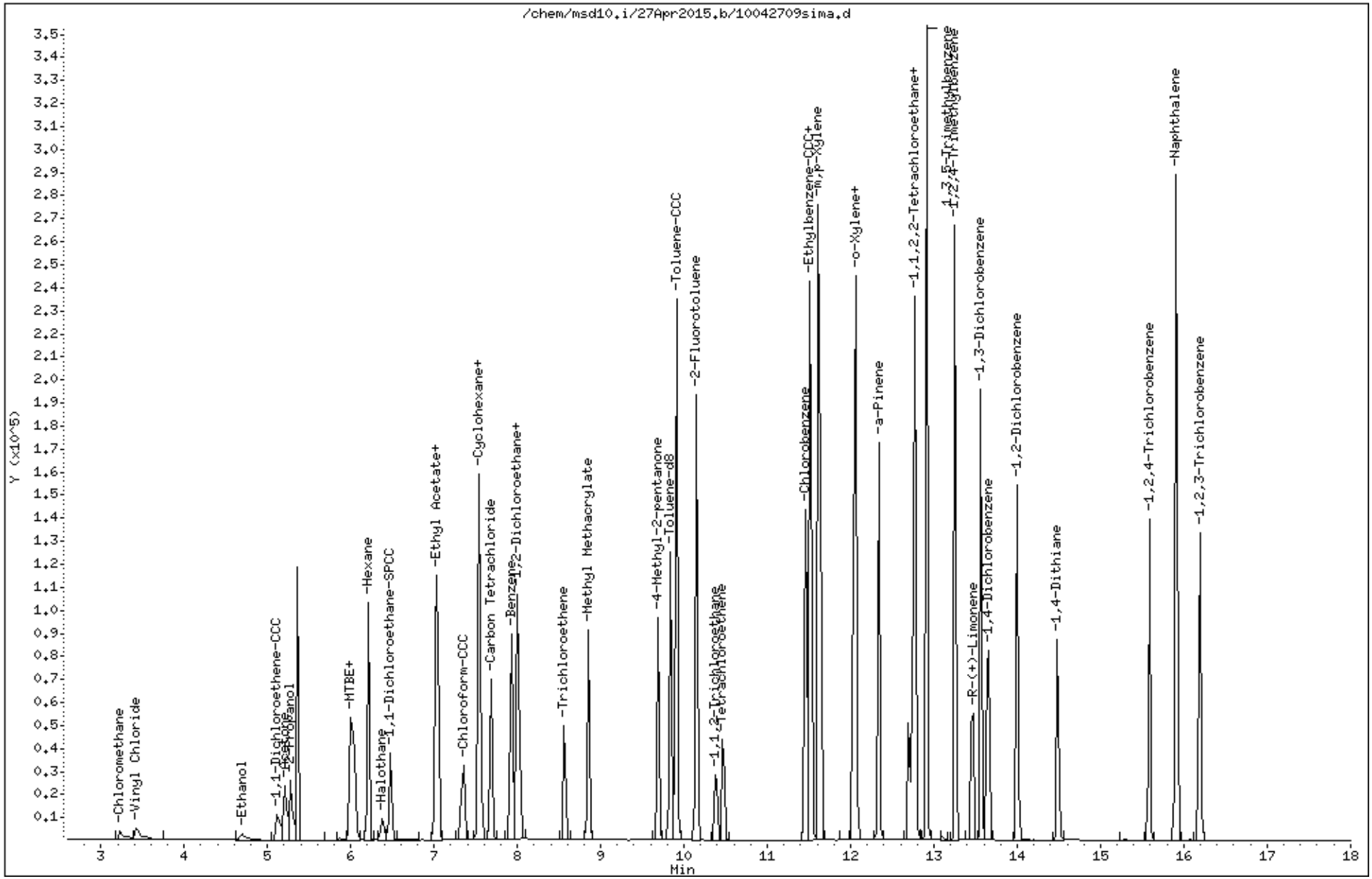
Sample Info: ;2595-224-5.0;Level 7

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1504459R1-07A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**10042722sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/27/15 04:13 PM**	
		Date of Extraction: 4/27/15	

Compound	%Recovery	Method Limits
1,1,1-Trichloroethane	84	70-130
Benzene	88	70-130
1,2-Dichloroethane	84	70-130
Trichloroethene	86	70-130
Toluene	90	70-130
Tetrachloroethene	90	70-130
Ethyl Benzene	98	70-130
m,p-Xylene	92	70-130
o-Xylene	86	70-130
Naphthalene	9.3	5-80
1,1-Dichloroethane	80	70-130
1,1-Dichloroethene	68 Q	70-130
cis-1,2-Dichloroethene	80	70-130
trans-1,2-Dichloroethene	90	70-130
1,1,2-Trichloroethane	89	70-130
1,2,4-Trimethylbenzene	94	70-130
1,3,5-Trimethylbenzene	100	70-130
Vinyl Chloride	51	50-140

Q = Exceeds Quality Control limits.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Report Date: 27-Apr-2015 20:24

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 27Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504283/459 Client Smp ID: LCS
Level: MED Operator: gm
Data Type: MS DATA SampleType: LCS
SpikeList File: RadLCS-CM.spk Quant Type: ISTD
Sublist File: all-cm.sub
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

	SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
2	Vinyl Chloride	10.0000	5.11850	51.19	50-140
3	Ethanol	10.0000	4.54969	45.50*	50-130
4	1,1-Dichloroethene	10.0000	6.84620	68.46*	70-130
5	Acetone	10.0000	4.77562	47.76*	70-130
6	2-Propanol	10.0000	5.77826	57.78	50-130
7	MTBE	10.0000	7.74232	77.42	70-130
8	trans-1,2-Dichloro	10.0000	9.01951	90.20	70-130
9	Hexane	10.0000	6.84779	68.48*	70-130
10	Halothane	10.0000	7.75831	77.58	70-130
11	1,1-Dichloroethane	10.0000	7.95569	79.56	70-130
12	Ethyl Acetate	10.0000	7.93401	79.34	70-130
13	2-Butanone	10.0000	7.65890	76.59	70-130
14	cis-1,2-Dichloroet	10.0000	8.00944	80.09	70-130
15	Chloroform-CCC	10.0000	7.80142	78.01	70-130
16	Cyclohexane	10.0000	9.27795	92.78	70-130
17	1,1,1-Trichloroeth	10.0000	8.38548	83.85	70-130
18	Carbon Tetrachlori	10.0000	8.94906	89.49	70-130
19	Benzene	10.0000	8.78254	87.83	70-130
20	1,2-Dichloroethane	10.0000	8.36536	83.65	70-130
21	Heptane	10.0000	9.36393	93.64	70-130
22	Trichloroethene	10.0000	8.60263	86.03	70-130
24	Methyl Methacrylat	10.0000	8.74583	87.46	70-130
25	4-Methyl-2-pentano	10.0000	9.49657	94.97	70-130
28	Toluene-CCC	10.0000	8.96590	89.66	70-130
30	1,1,2-Trichloroeth	10.0000	8.91486	89.15	70-130
31	Tetrachloroethene	10.0000	9.01468	90.15	70-130
32	Chlorobenzene	10.0000	8.44831	84.48	70-130
33	Ethylbenzene-CCC	10.0000	9.82448	98.24	70-130
209	1,1,1,2-Tetrachlor	10.0000	9.62868	96.29	70-130
34	m,p-Xylene	20.0000	18.4410	92.21	70-130
36	o-Xylene	10.0000	8.62050	86.20	70-130
37	Styrene	10.0000	5.39151	53.92	20-100
38	a-Pinene	10.0000	11.4706	114.71	70-130

	SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
39	1,1,2,2-Tetrachlor	10.0000	8.37351	83.74	70-130
40	Propylbenzene	10.0000	9.02976	90.30	70-130
210	1,2,3-Trichloropro	10.0000	8.58096	85.81	70-130
41	1,3,5-Trimethylben	10.0000	9.99074	99.91	70-130
42	1,2,4-Trimethylben	10.0000	9.41148	94.11	70-130
43	R-(+)-Limonene	10.0000	9.83110	98.31	70-130
44	1,3-Dichlorobenzen	10.0000	7.95040	79.50	50-110
45	1,4-Dichlorobenzen	10.0000	7.54206	75.42	50-110
46	1,2-Dichlorobenzen	10.0000	7.03991	70.40	50-110
47	1,4-Dithiane	10.0000	8.63157	86.32	50-110
48	1,2,4-Trichloroben	10.0000	5.99078	59.91	20-110
49	Naphthalene	10.0000	0.929912	9.30	5-80
50	1,2,3-Trichloroben	10.0000	4.93620	49.36	20-110

	SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 26	Toluene-d8	10.0000	10.2450	102.45	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042722sim.d
Lab Smp Id: 1504283/459 Client Smp ID: LCS
Inj Date : 27-APR-2015 16:13
Operator : gm Inst ID: msd10.i
Smp Info : ;1504283/459;LCS
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 14:05 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 21 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-cm.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug)
2 Vinyl Chloride	62	3.420	3.420	(0.337)	9048	2.55925	5.11850
3 Ethanol	45	4.696	4.696	(0.463)	5164	2.27485	4.54969(R)
4 1,1-Dichloroethene-CCC	96	5.117	5.117	(0.504)	15542	3.42310	6.84620(R)
5 Acetone	58	5.206	5.206	(0.513)	8806	2.38781	4.77562(R)
6 2-Propanol	45	5.273	5.273	(0.519)	30553	2.88913	5.77826
7 MTBE	73	5.996	5.996	(0.591)	95814	3.87116	7.74232
8 trans-1,2-Dichloroethene	96	6.051	6.051	(0.596)	32169	4.50976	9.01951
9 Hexane	57	6.216	6.216	(0.612)	78252	3.42390	6.84779(R)
10 Halothane	117	6.377	6.377	(0.628)	17719	3.87915	7.75831
11 1,1-Dichloroethane-SPCC	63	6.474	6.474	(0.638)	61631	3.97785	7.95569
12 Ethyl Acetate	70	7.013	7.013	(0.691)	9800	3.96701	7.93401
13 2-Butanone	72	7.036	7.036	(0.693)	21048	3.82945	7.65890
14 cis-1,2-Dichloroethene	96	7.058	7.058	(0.695)	34239	4.00472	8.00944
15 Chloroform-CCC	83	7.321	7.352	(0.721)	54893	3.90071	7.80142
16 Cyclohexane	84	7.537	7.537	(0.742)	90397	4.63897	9.27795
17 1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	71475	4.19274	8.38548

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug)
	18 Carbon Tetrachloride	117	7.691	7.691	(0.758)	68079	4.47453	8.94906
	19 Benzene	78	7.938	7.938	(0.782)	171099	4.39127	8.78254
	20 1,2-Dichloroethane	62	7.999	7.999	(0.788)	69648	4.18268	8.36536
	21 Heptane	71	8.030	8.030	(0.791)	54218	4.68196	9.36393
	22 Trichloroethene	130	8.562	8.562	(0.843)	52692	4.30132	8.60263
	24 Methyl Methacrylate	69	8.851	8.851	(0.872)	55813	4.37292	8.74583
	25 4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	25743	4.74829	9.49657
$	26 Toluene-d8	98	9.839	9.839	(0.969)	222789	5.12249	10.2450
	28 Toluene-CCC	92	9.912	9.912	(0.976)	165228	4.48295	8.96590
*	29 2-Fluorotoluene	109	10.153	10.153	(1.000)	240693	5.00000	
	30 1,1,2-Trichloroethane	97	10.394	10.370	(1.024)	53755	4.45743	8.91486
	31 Tetrachloroethene	164	10.466	10.466	(1.031)	52677	4.50734	9.01468
	32 Chlorobenzene	112	11.459	11.459	(1.129)	195466	4.22416	8.44831
	33 Ethylbenzene-CCC	106	11.510	11.510	(1.134)	124225	4.91224	9.82448
	209 1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	76022	4.81434	9.62868
	34 m,p-Xylene	106	11.639	11.613	(1.146)	243929	9.22052	18.4410
	36 o-Xylene	106	12.062	12.062	(1.188)	111632	4.31025	8.62050
	37 Styrene	104	12.062	12.062	(1.188)	116486	2.69576	5.39151
	38 a-Pinene	93	12.336	12.336	(1.215)	204899	5.73528	11.4706
	39 1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	79581	4.18676	8.37351
	40 Propylbenzene	91	12.775	12.748	(1.258)	307355	4.51488	9.02976
	210 1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	33349	4.29048	8.58096
	41 1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	418320	4.99537	9.99074
	42 1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	328797	4.70574	9.41148
	43 R-(+)-Limonene	68	13.470	13.470	(1.327)	100118	4.91555	9.83110
	44 1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	177916	3.97520	7.95040
	45 1,4-Dichlorobenzene	146	13.663	13.638	(1.346)	129205	3.77103	7.54206
	46 1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	137281	3.51996	7.03991
	47 1,4-Dithiane	120	14.482	14.482	(1.426)	104448	4.31578	8.63157
	48 1,2,4-Trichlorobenzene	180	15.592	15.592	(1.536)	95010	2.99539	5.99078
	49 Naphthalene	128	15.905	15.905	(1.567)	51238	0.46496	0.929912
	50 1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	76431	2.46810	4.93620

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042722sim.d
Lab Smp Id: 1504283/459
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: LCS
Level: MED
Sample Type: AIR

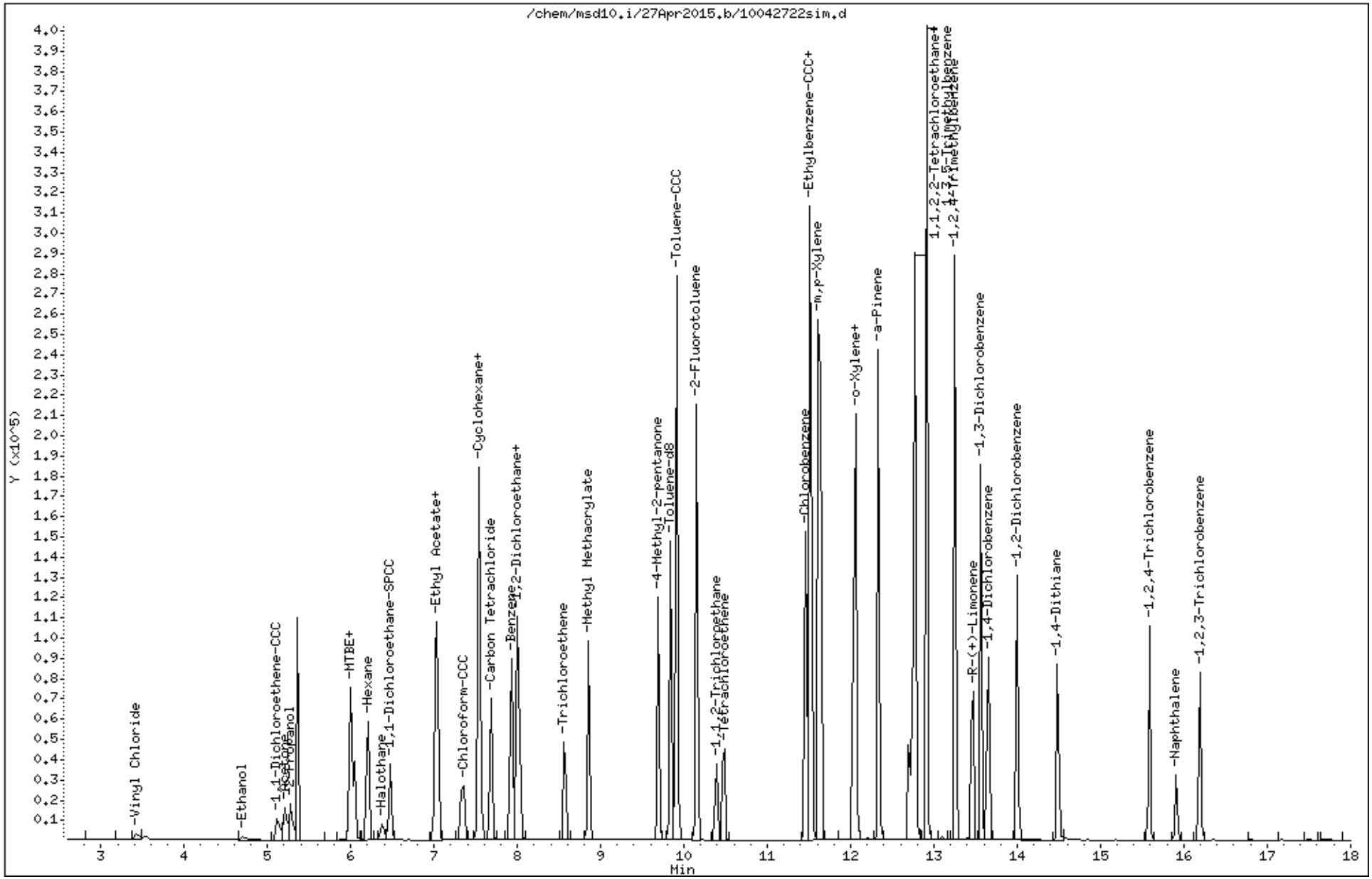
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	240693	11.37

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d
Date : 27-APR-2015 16:13
Client ID: LCS
Sample Info: ;1504283/459;LCS
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msd10.i
Operator: gm
Column diameter: 0.25



Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

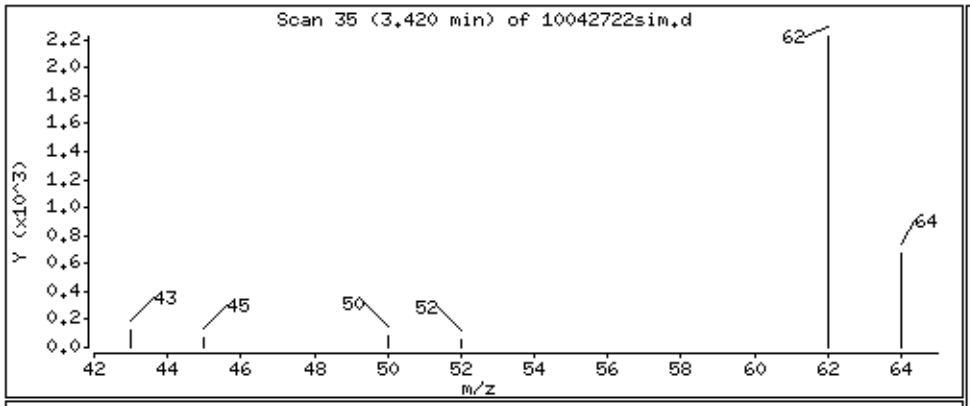
Operator: gm

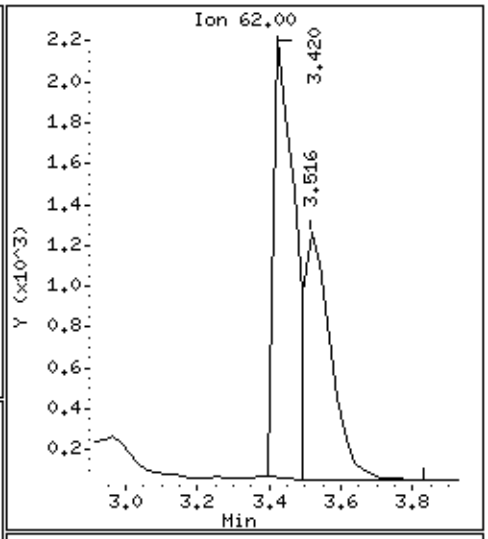
Column phase: DB-5.625

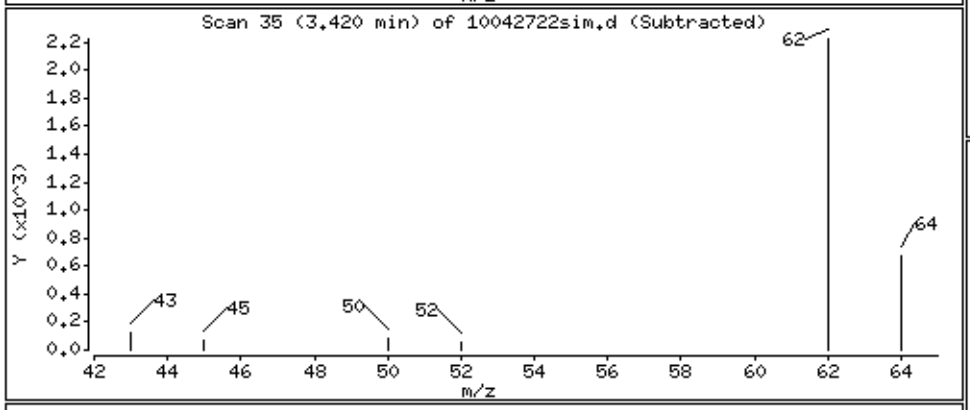
Column diameter: 0.25

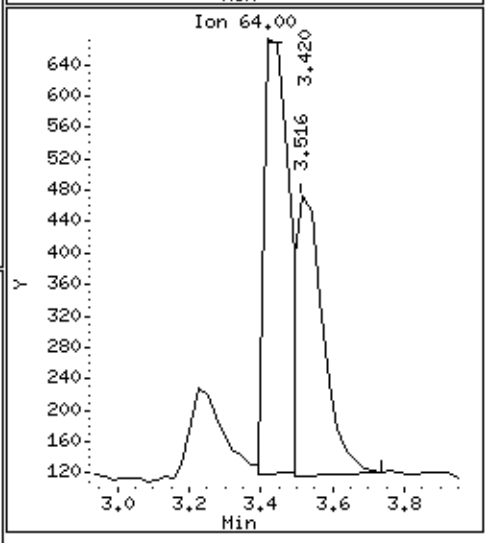
2 Vinyl Chloride

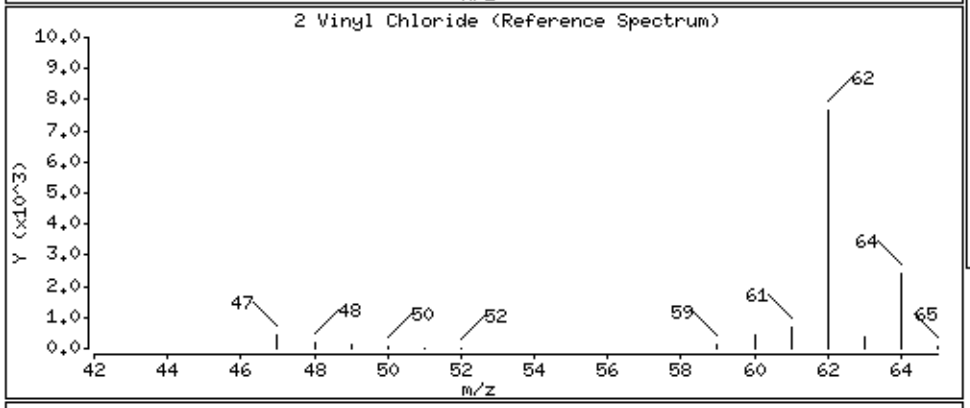
Concentration: 5.11850 ug

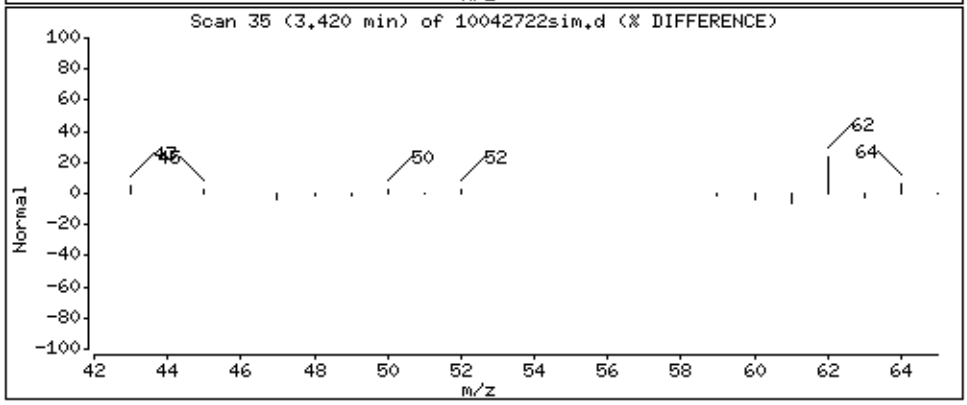












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

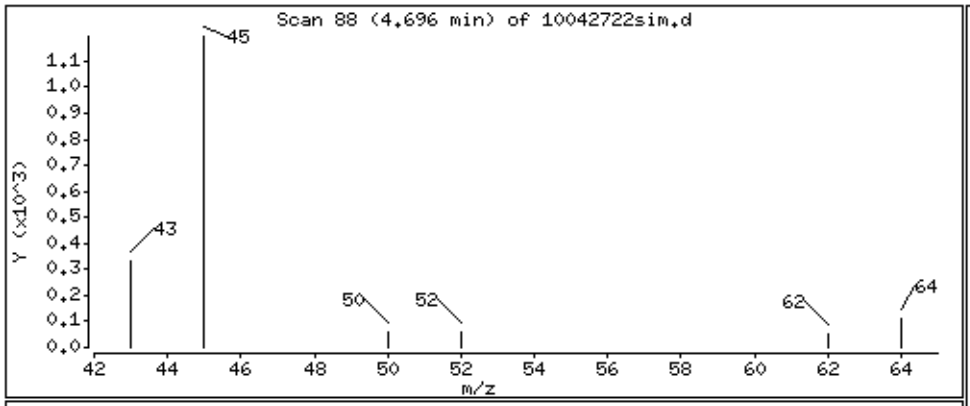
Operator: gm

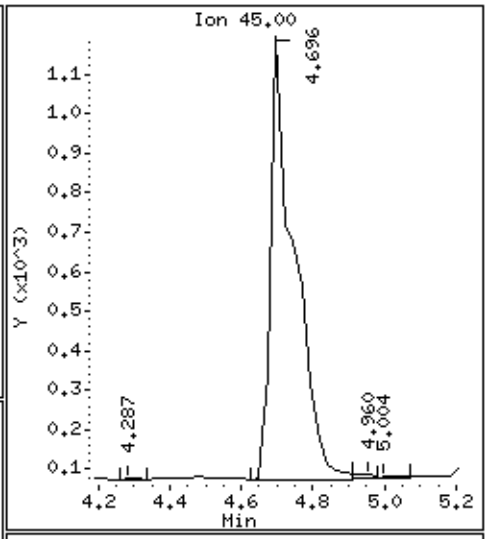
Column phase: DB-5.625

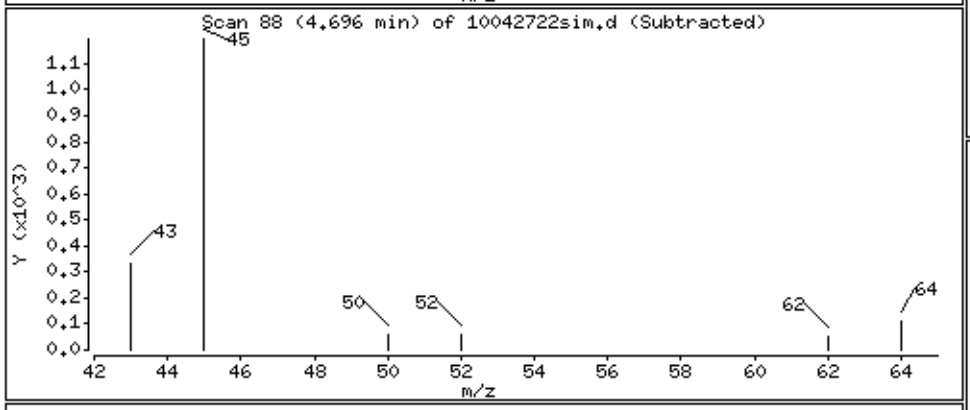
Column diameter: 0.25

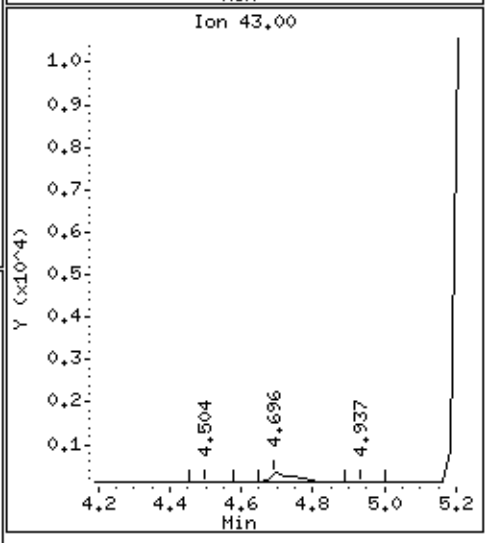
3 Ethanol

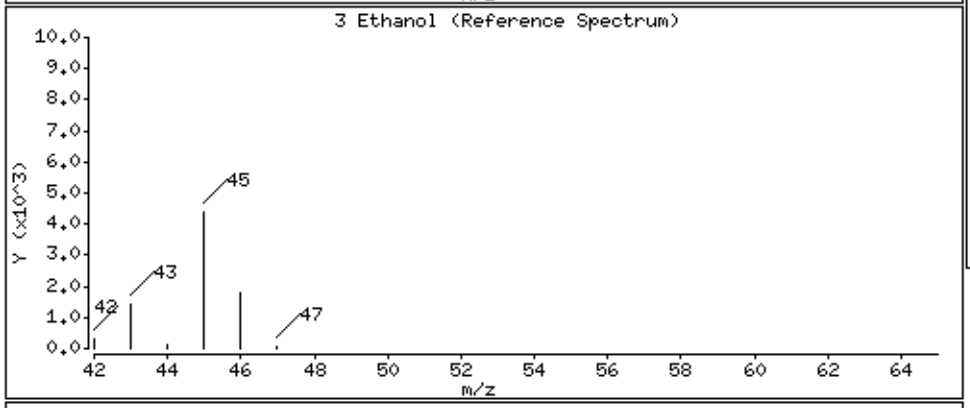
Concentration: 4.54969 ug

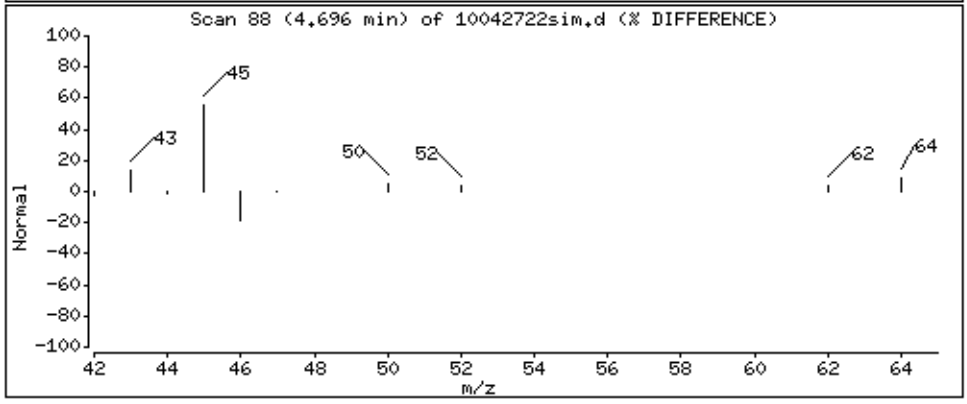












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

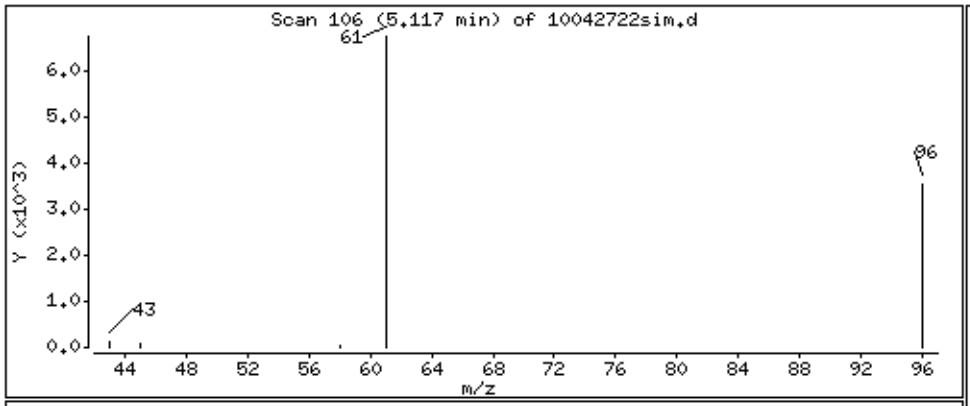
Operator: gm

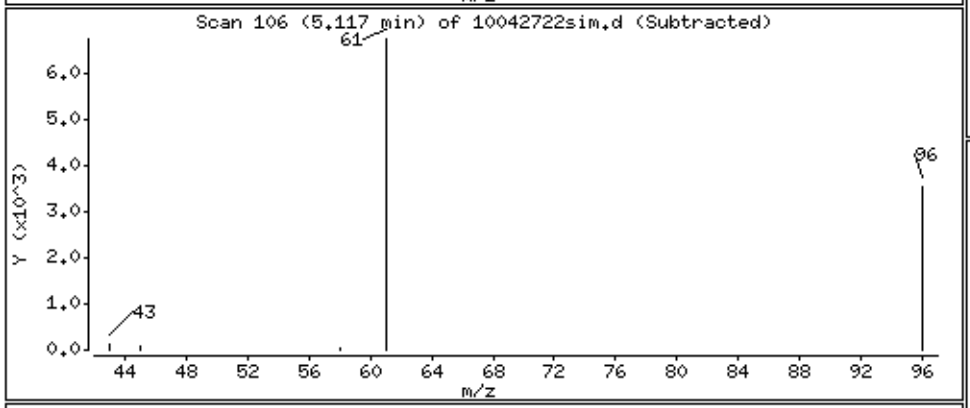
Column phase: DB-5.625

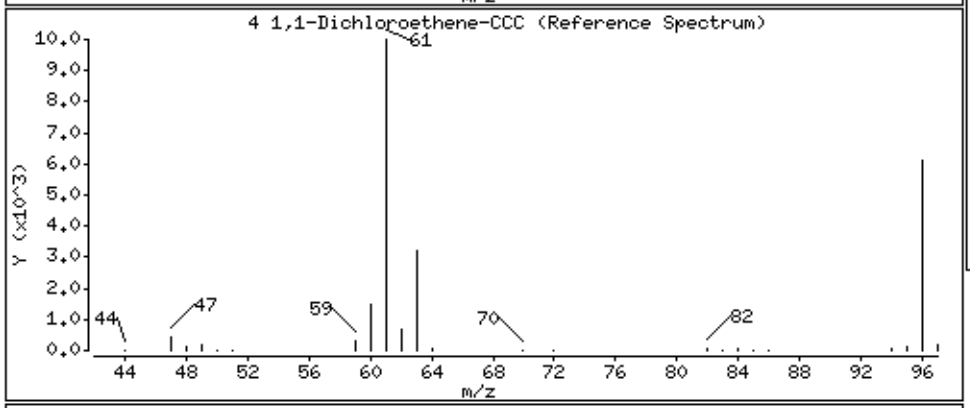
Column diameter: 0.25

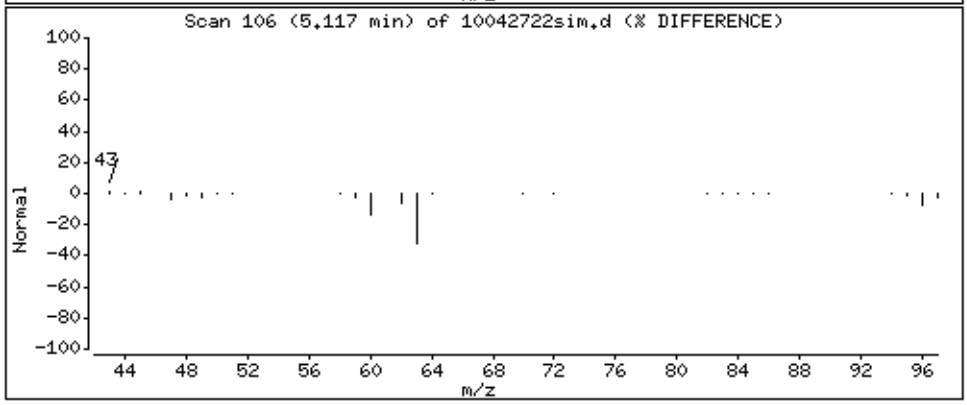
4 1,1-Dichloroethene-CCC

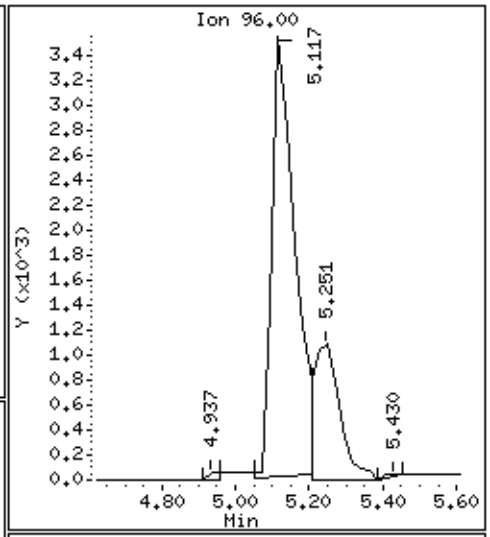
Concentration: 6.84620 ug

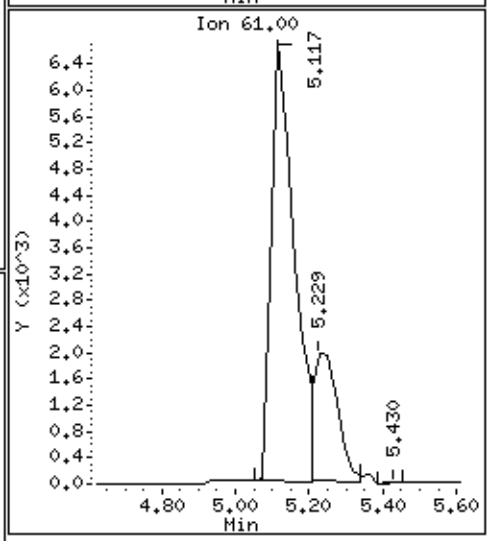












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

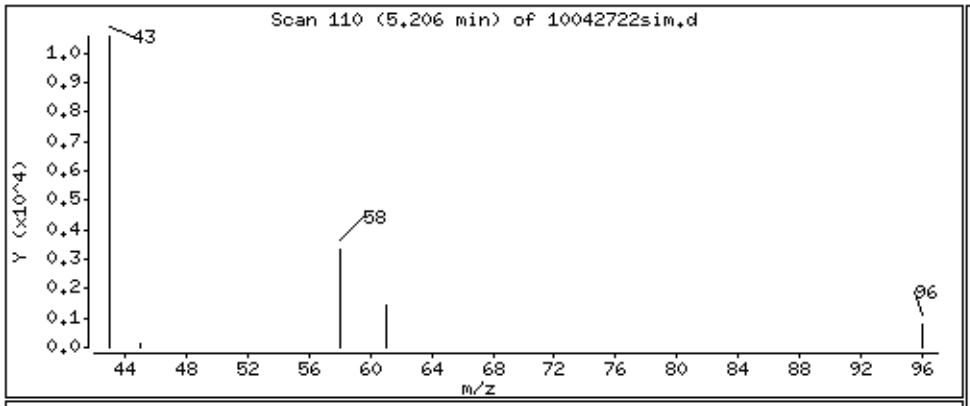
Operator: gm

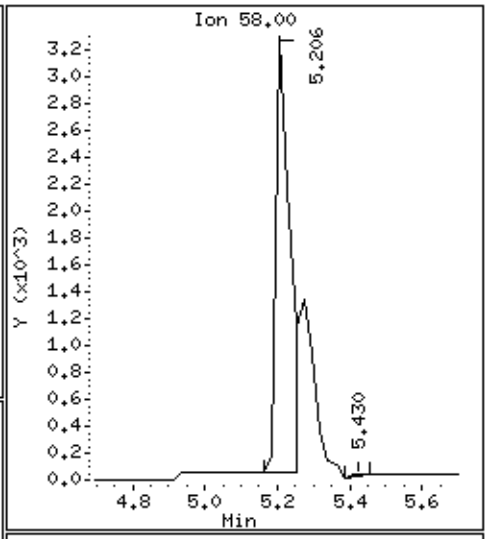
Column phase: DB-5.625

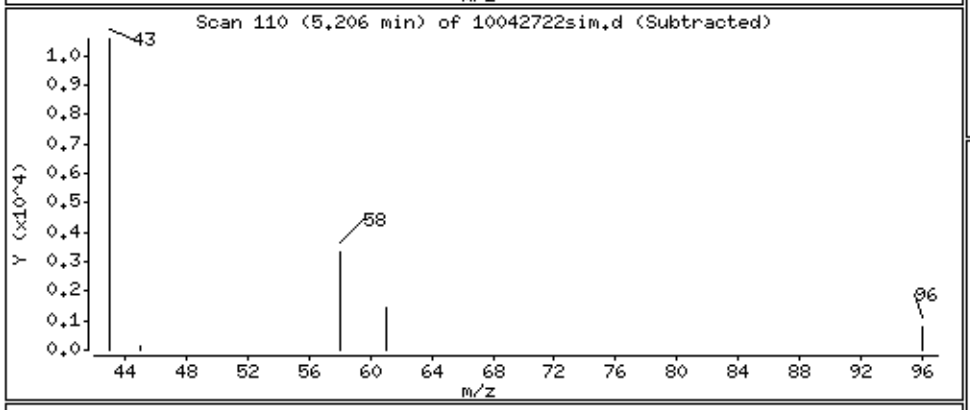
Column diameter: 0.25

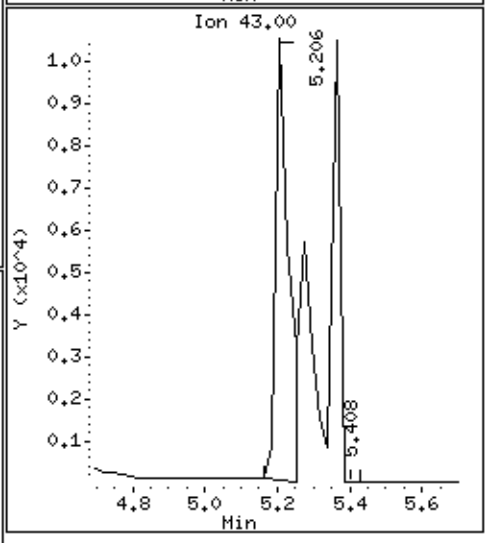
5 Acetone

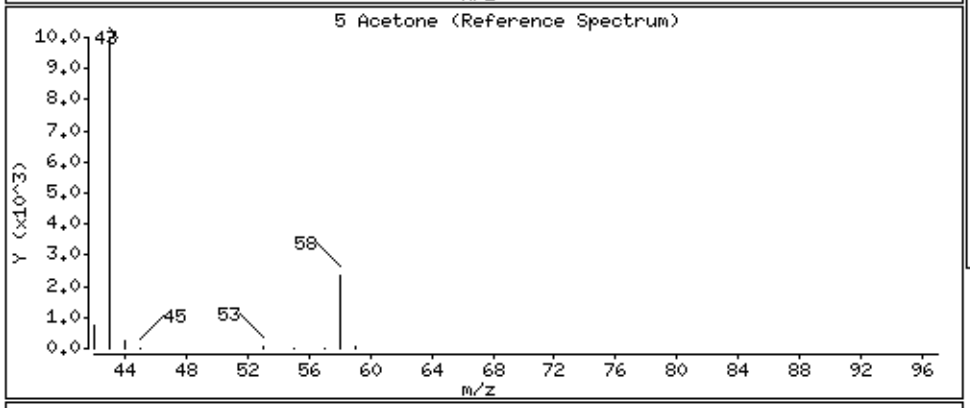
Concentration: 4.77562 ug

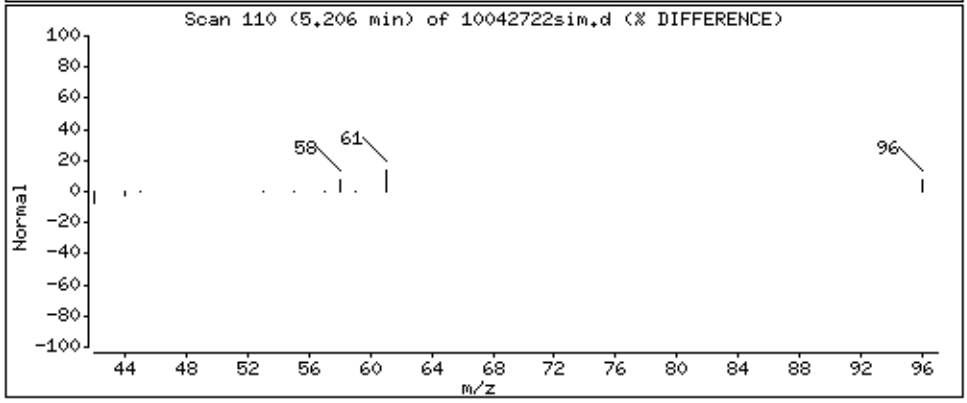












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

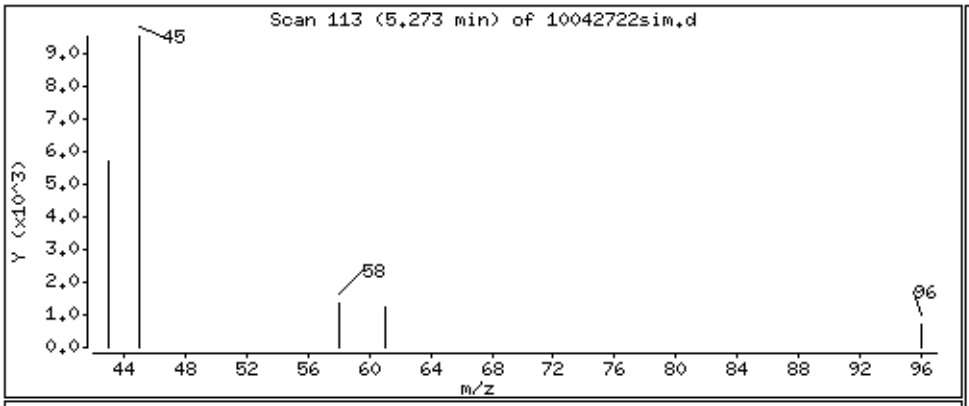
Operator: gm

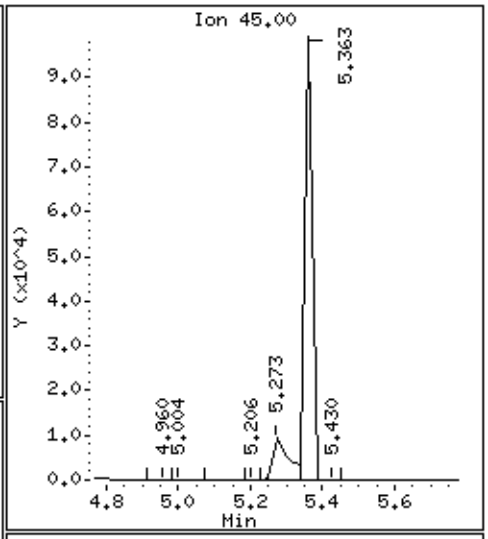
Column phase: DB-5.625

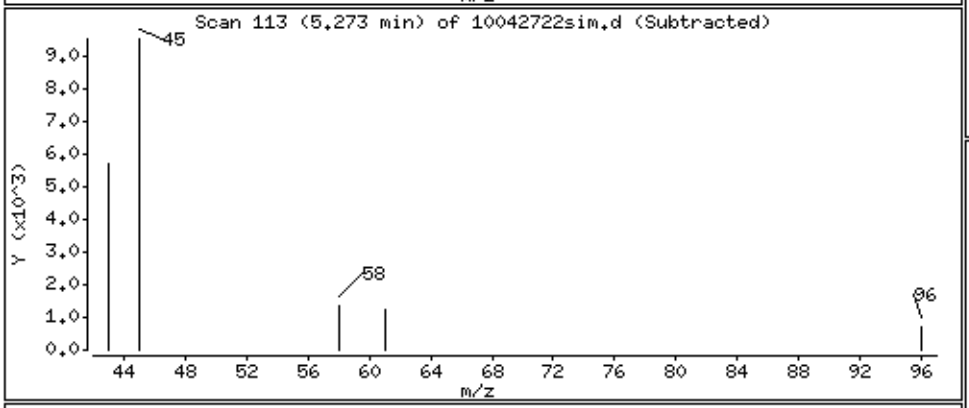
Column diameter: 0.25

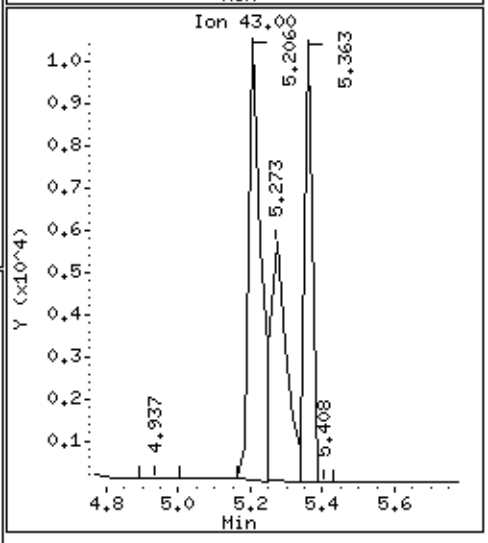
6 2-Propanol

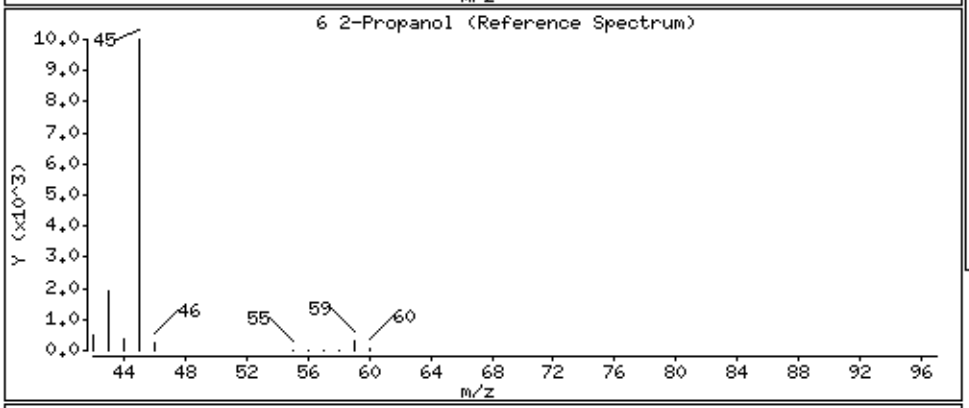
Concentration: 5.77826 ug

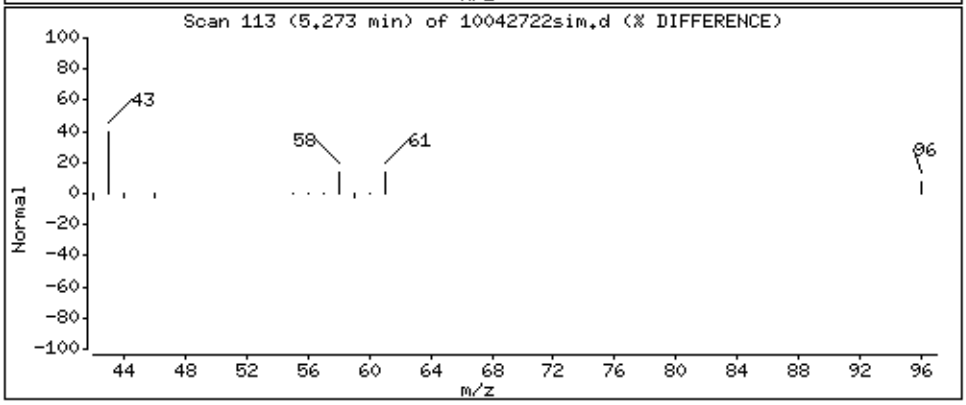












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

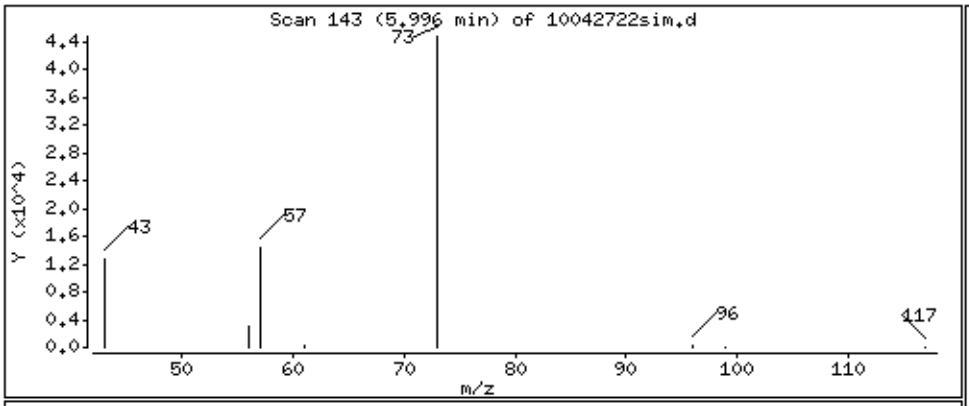
Operator: gm

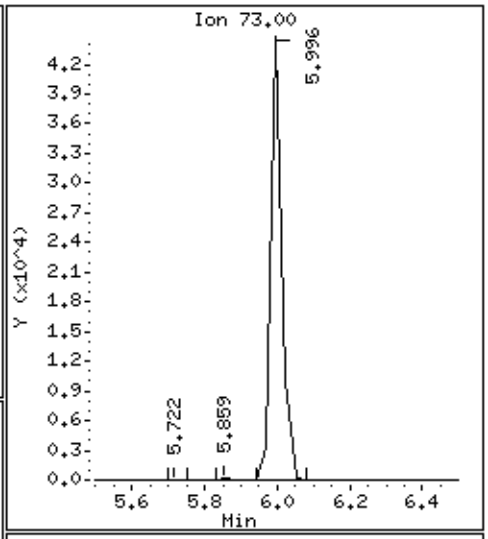
Column phase: DB-5.625

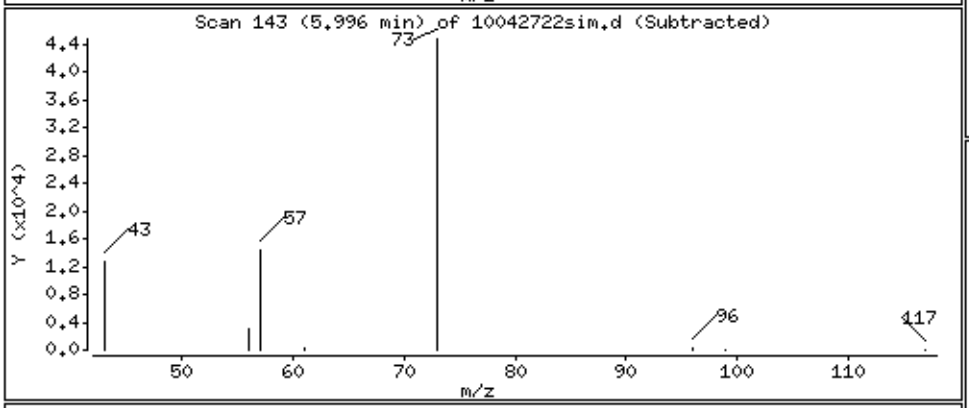
Column diameter: 0.25

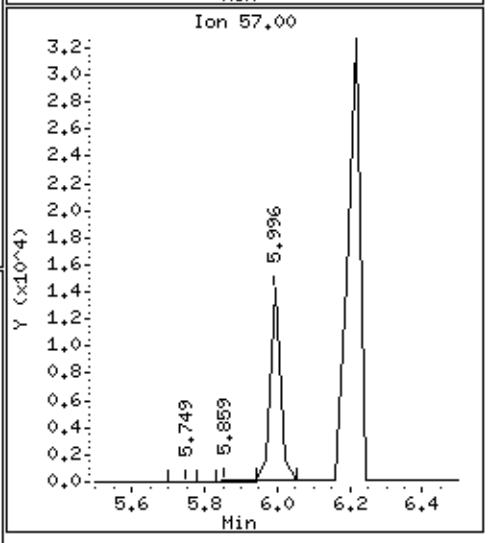
7 MTBE

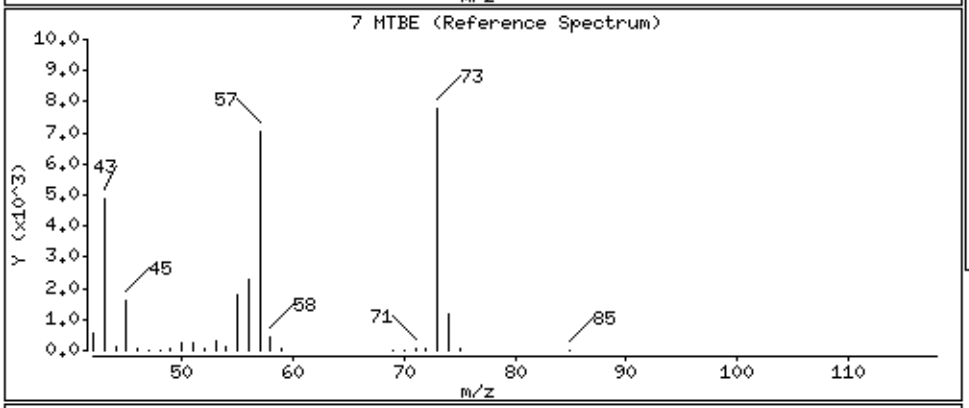
Concentration: 7.74232 ug

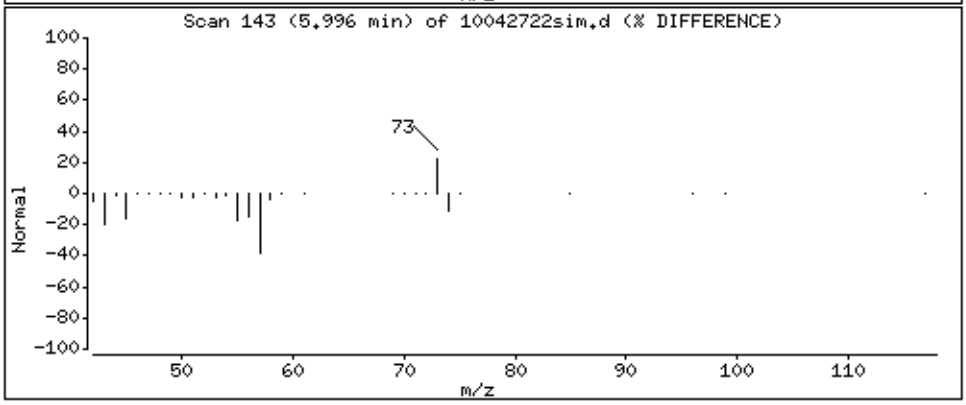












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

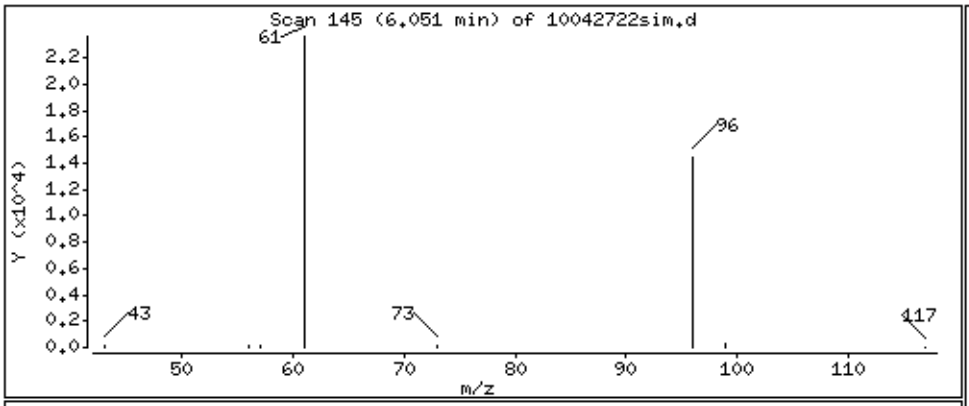
Operator: gm

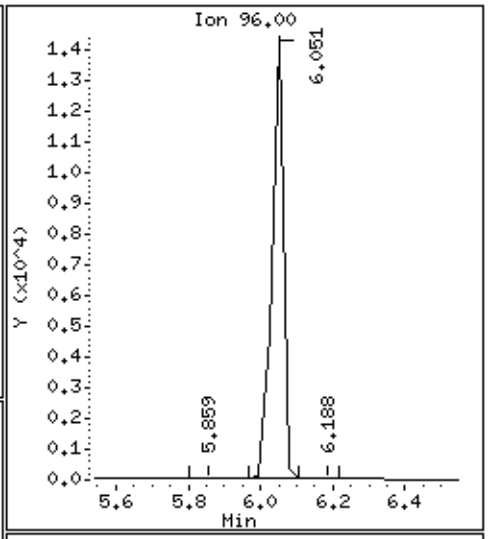
Column phase: DB-5.625

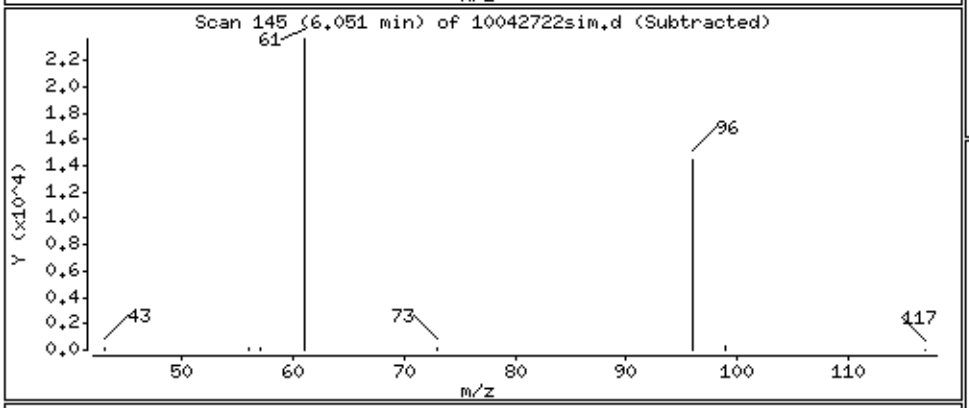
Column diameter: 0.25

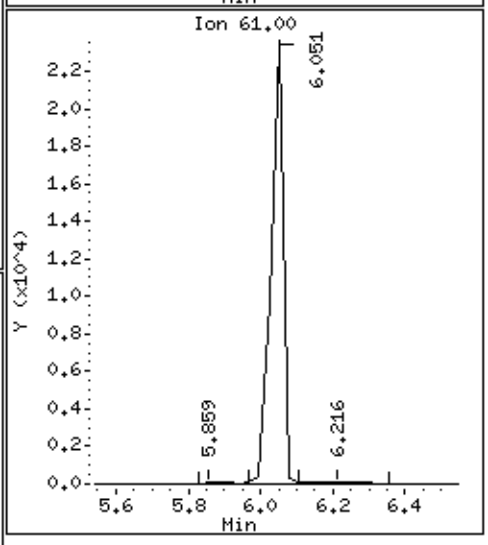
8 trans-1,2-Dichloroethene

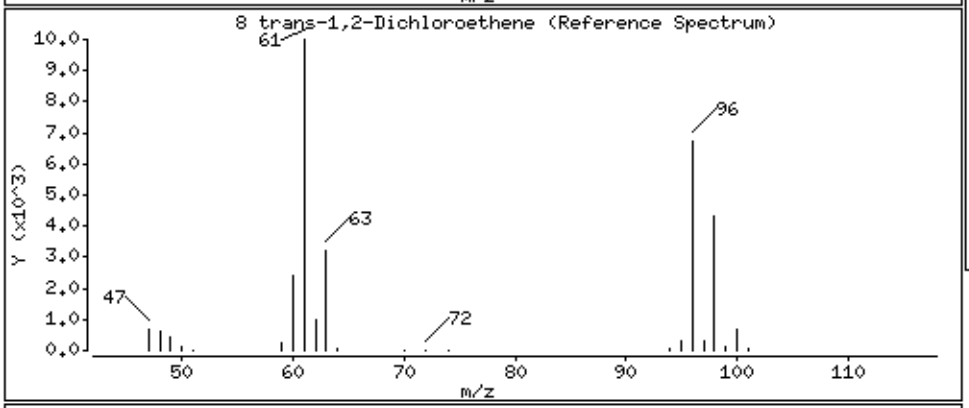
Concentration: 9.01951 ug

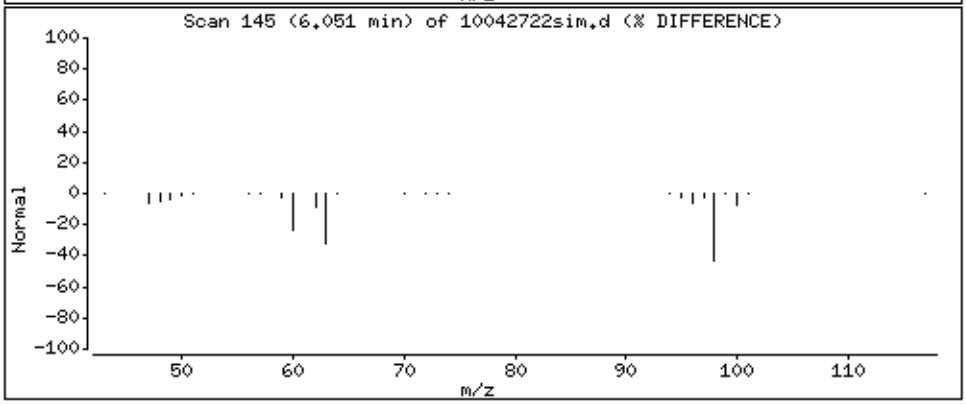












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

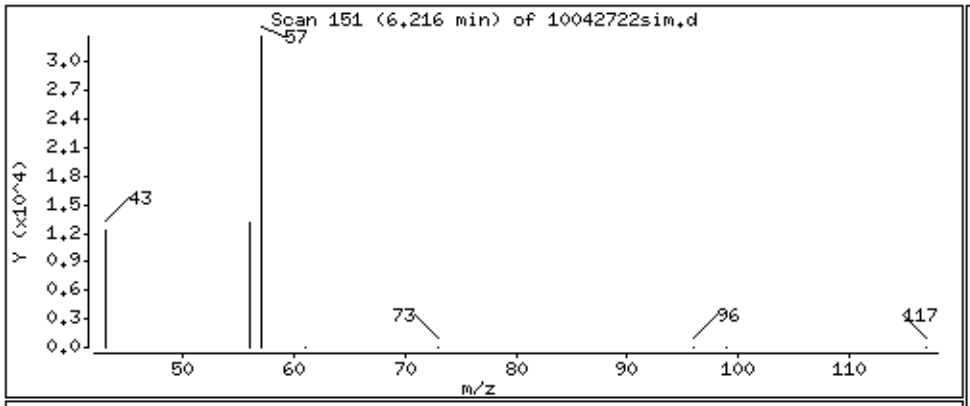
Operator: gm

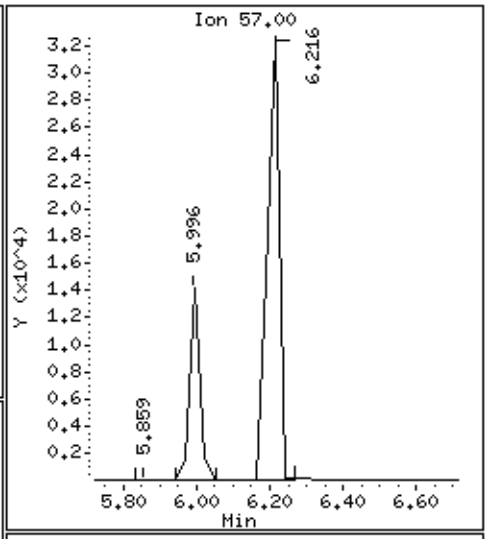
Column phase: DB-5.625

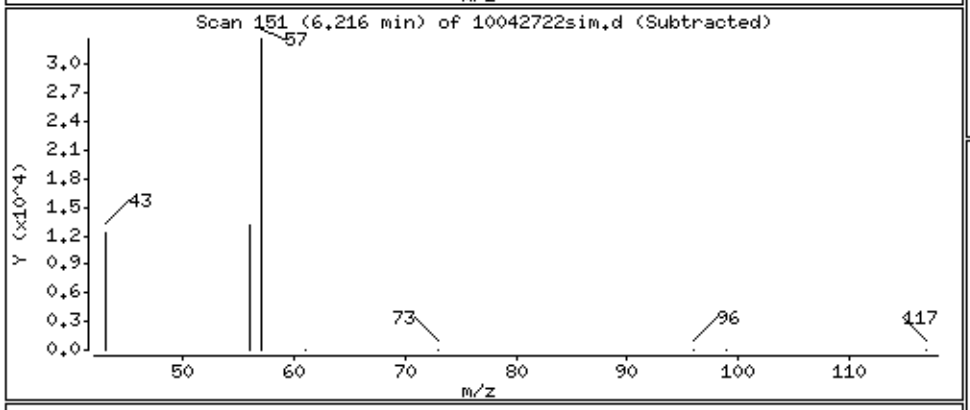
Column diameter: 0.25

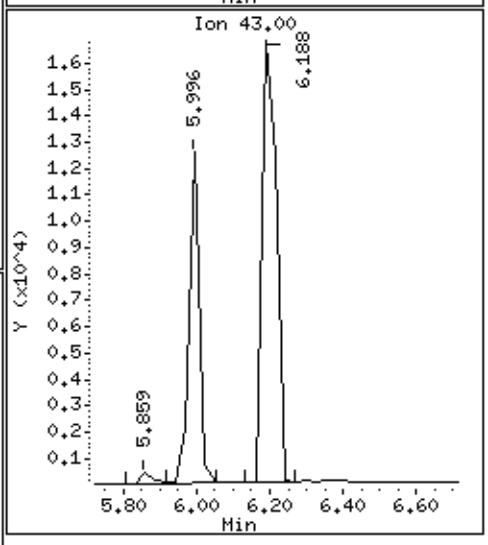
9 Hexane

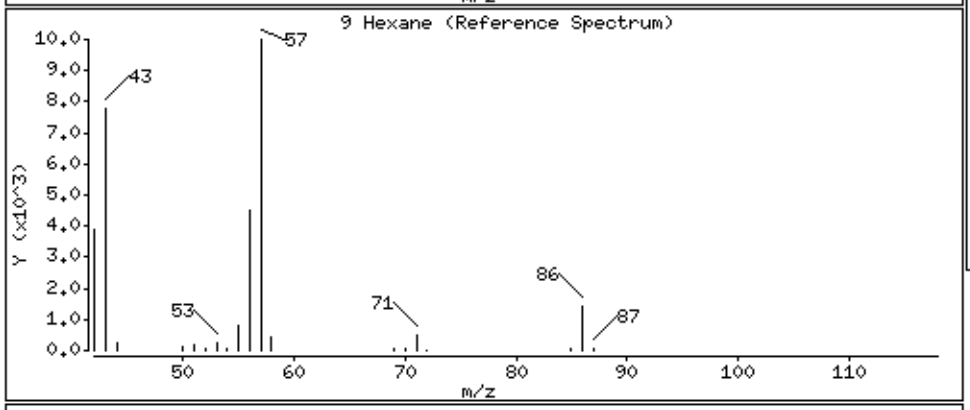
Concentration: 6.84779 ug

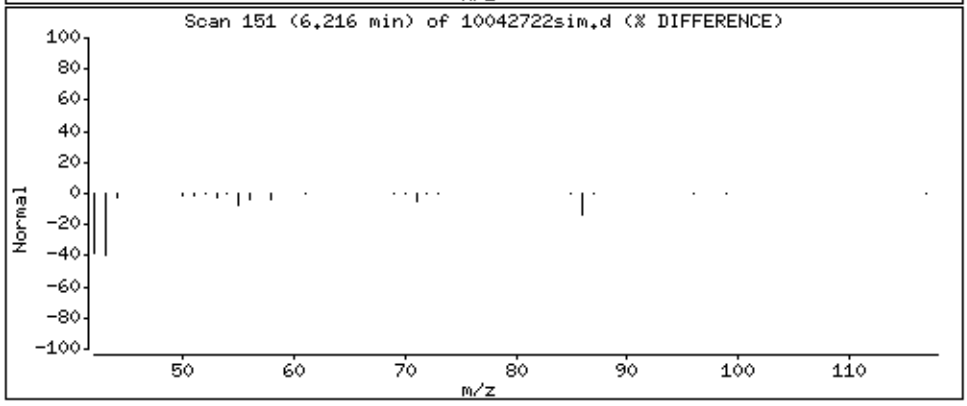












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

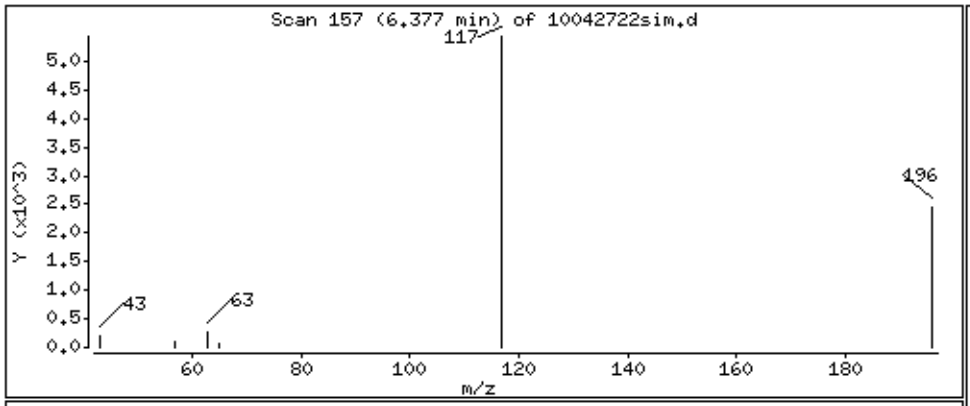
Operator: gm

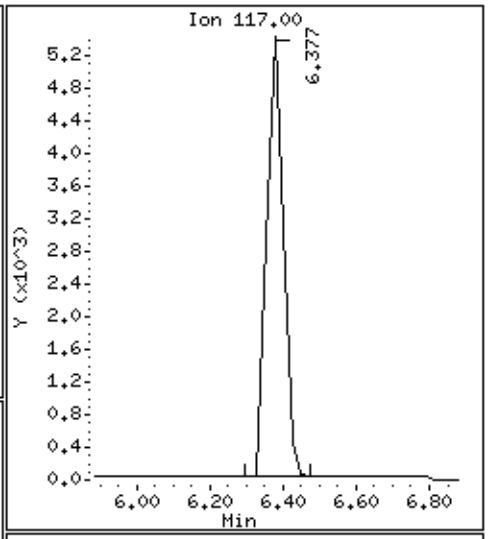
Column phase: DB-5.625

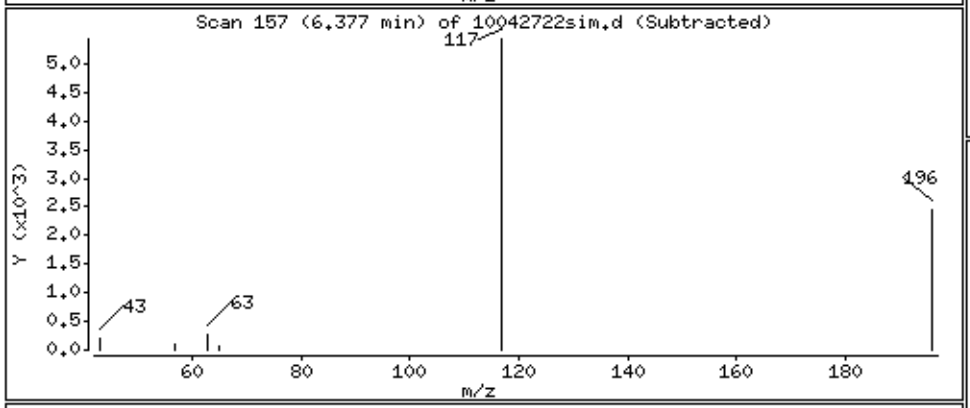
Column diameter: 0.25

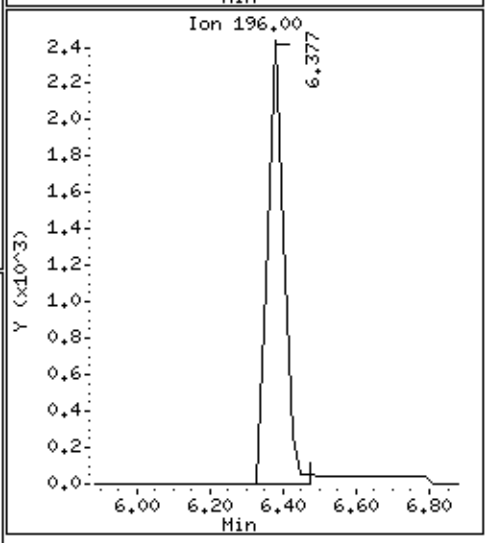
10 Halothane

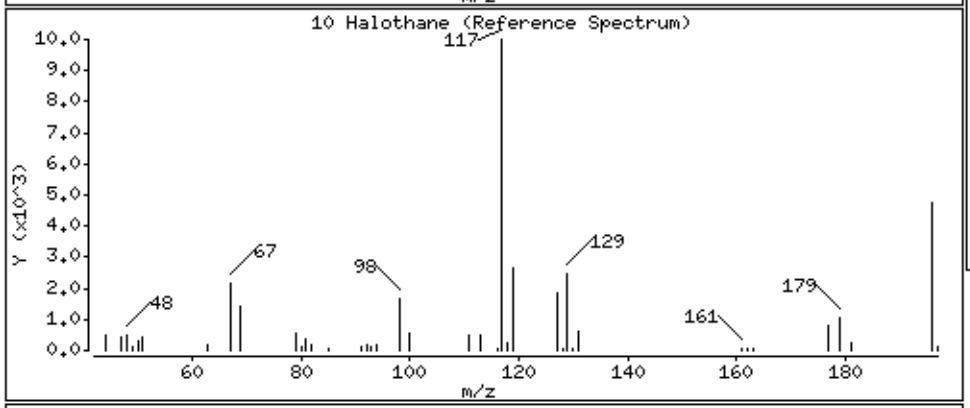
Concentration: 7.75831 ug

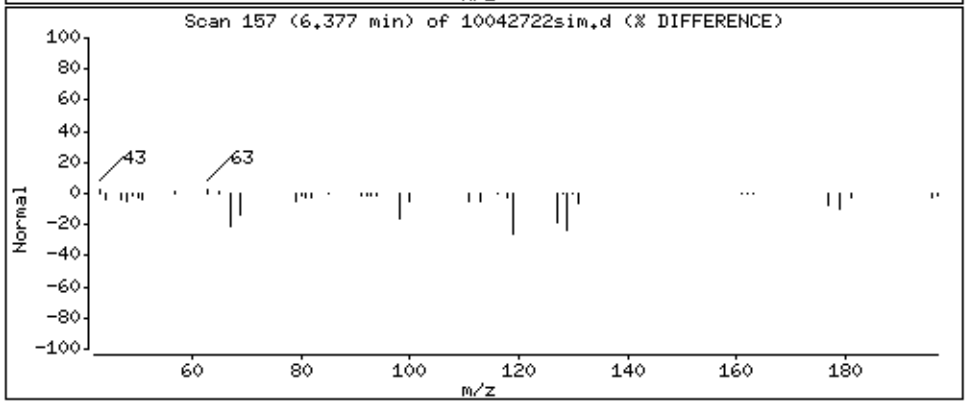












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

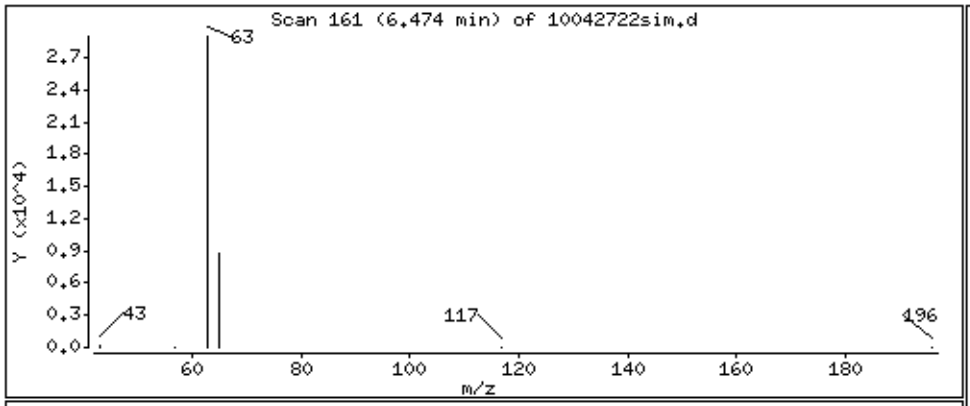
Operator: gm

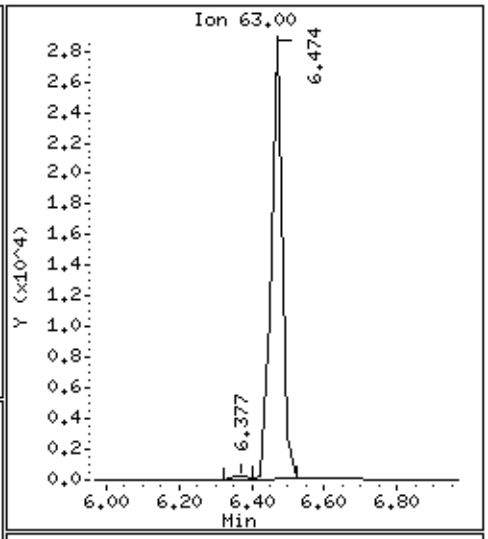
Column phase: DB-5.625

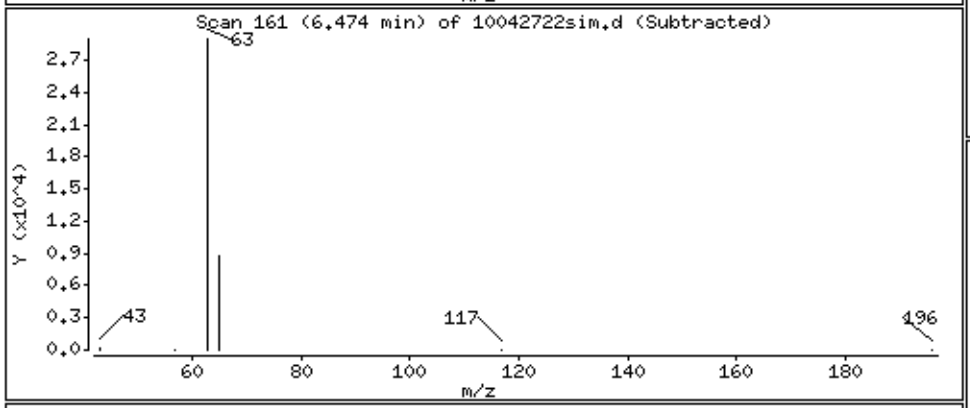
Column diameter: 0.25

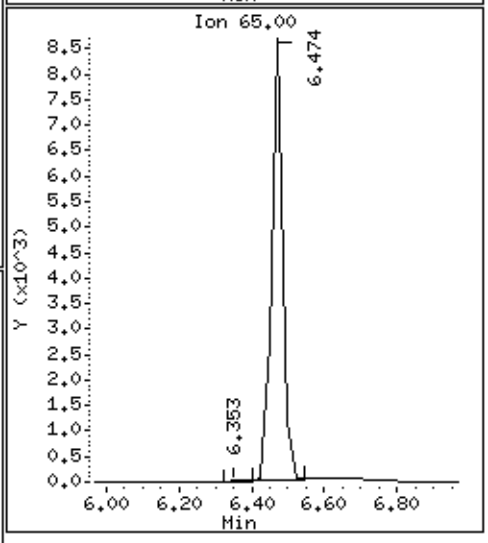
11 1,1-Dichloroethane-SPCC

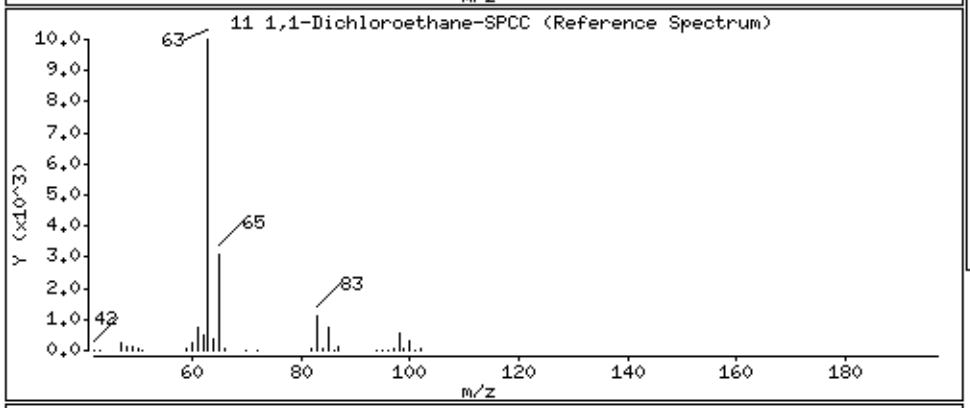
Concentration: 7.95569 ug

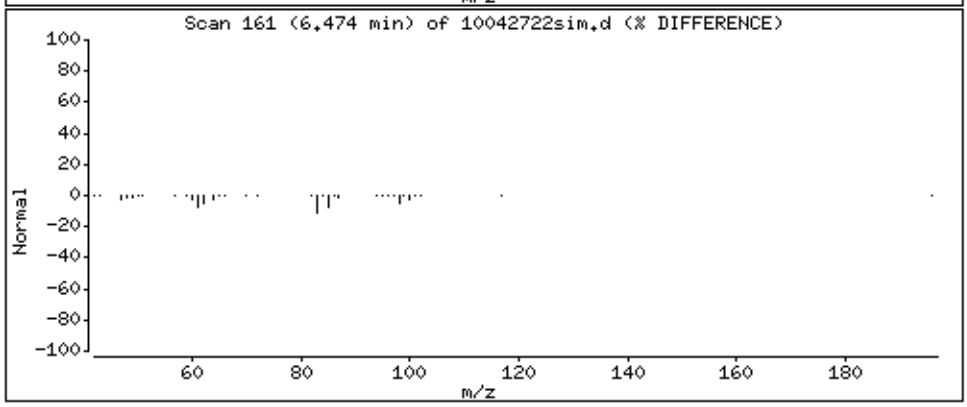












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

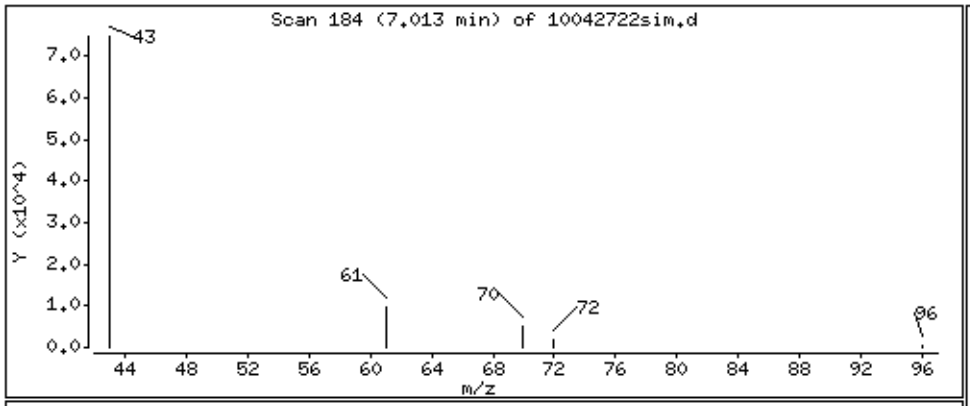
Operator: gm

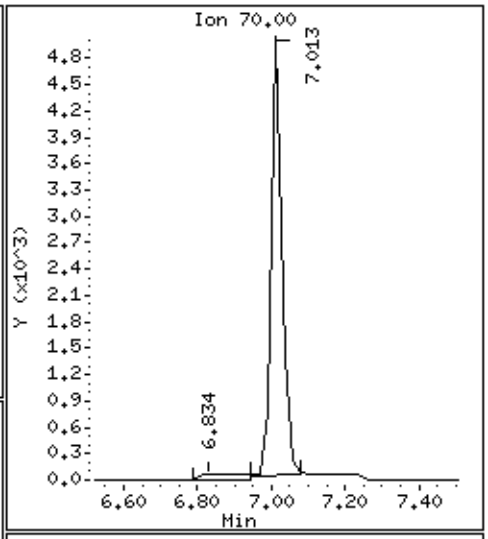
Column phase: DB-5.625

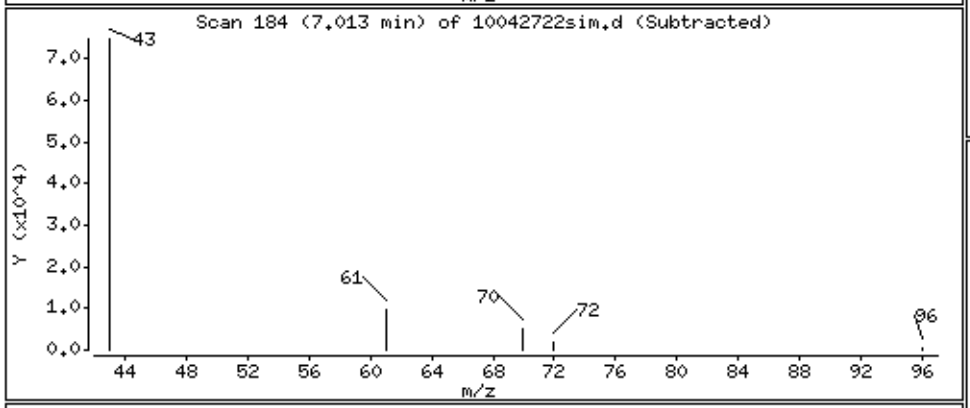
Column diameter: 0.25

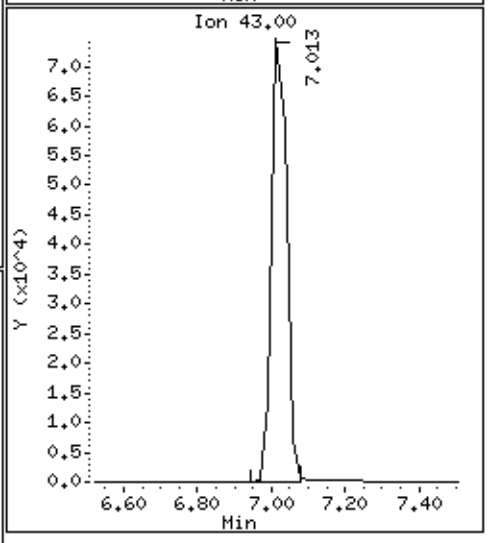
12 Ethyl Acetate

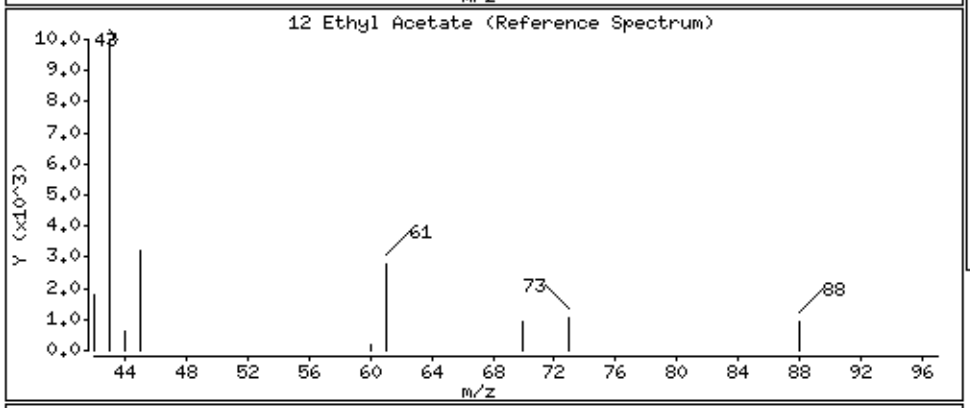
Concentration: 7.93401 ug

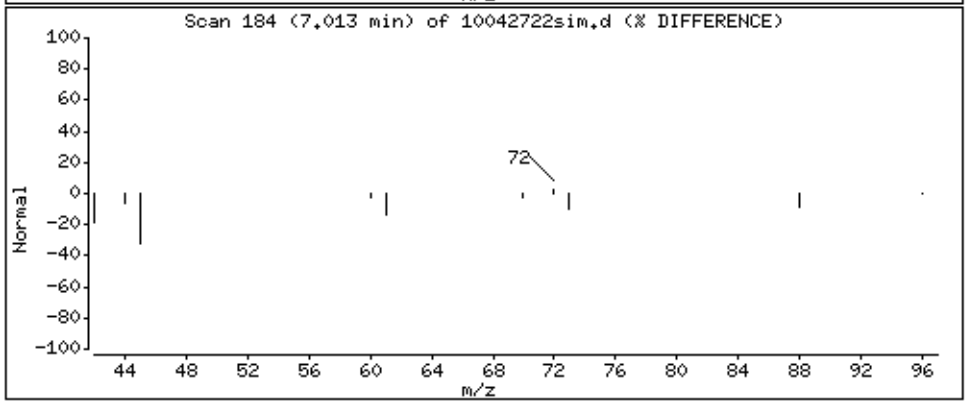












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

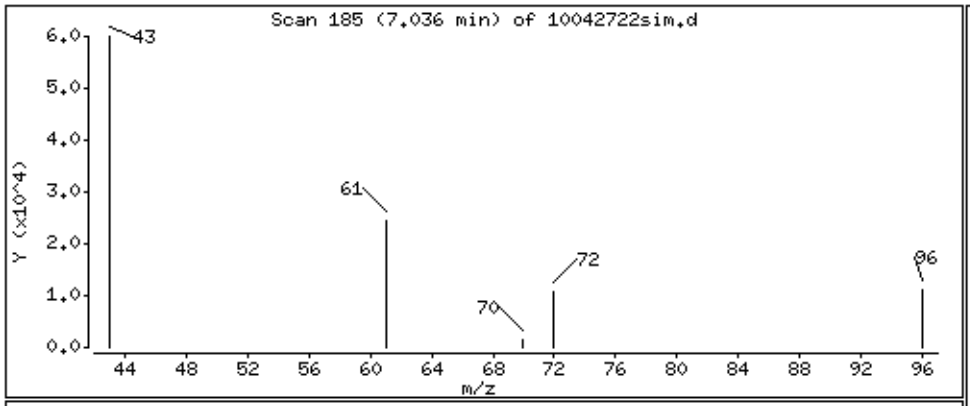
Operator: gm

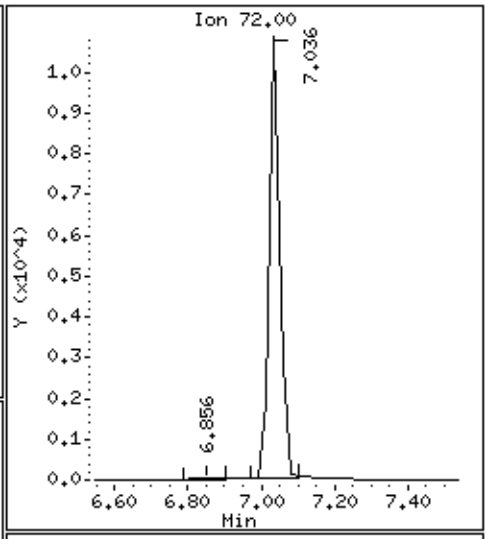
Column phase: DB-5.625

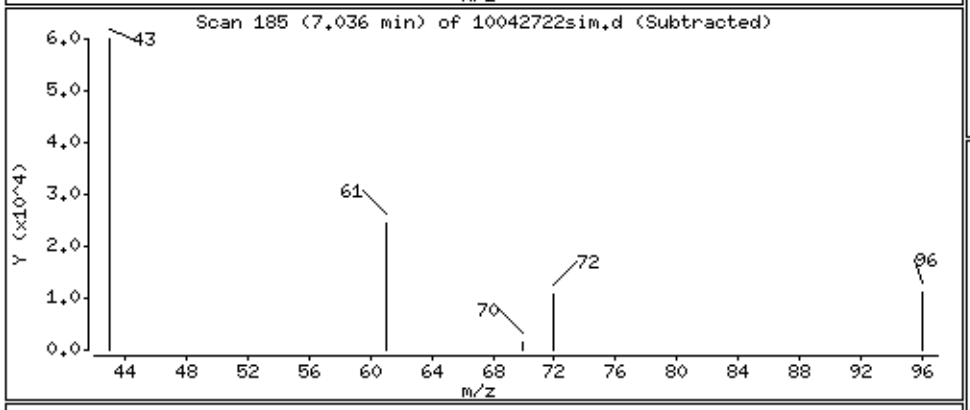
Column diameter: 0.25

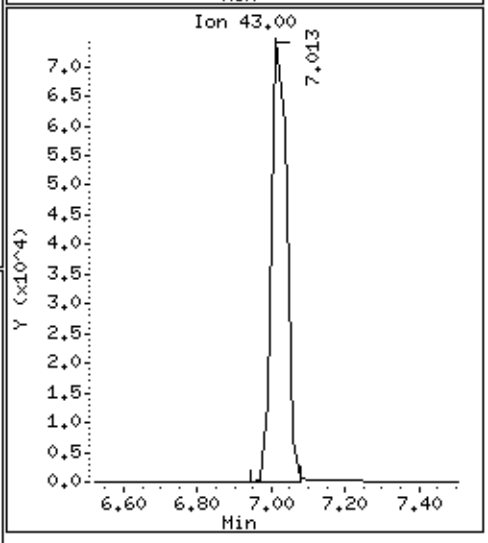
13 2-Butanone

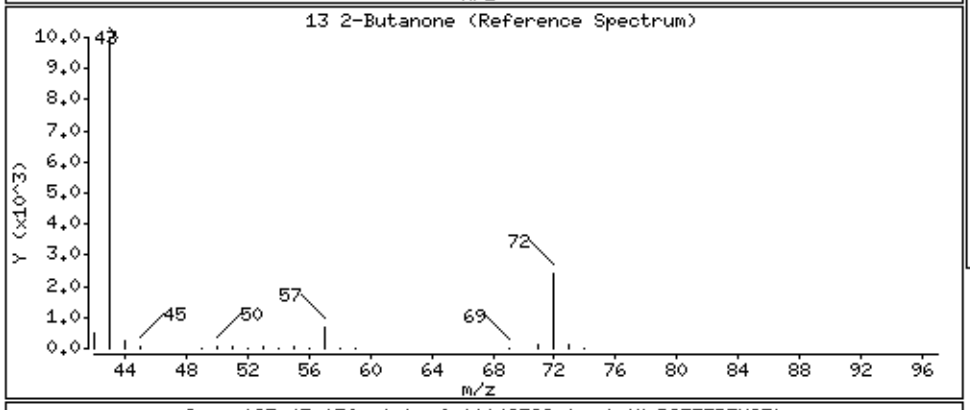
Concentration: 7.65890 ug

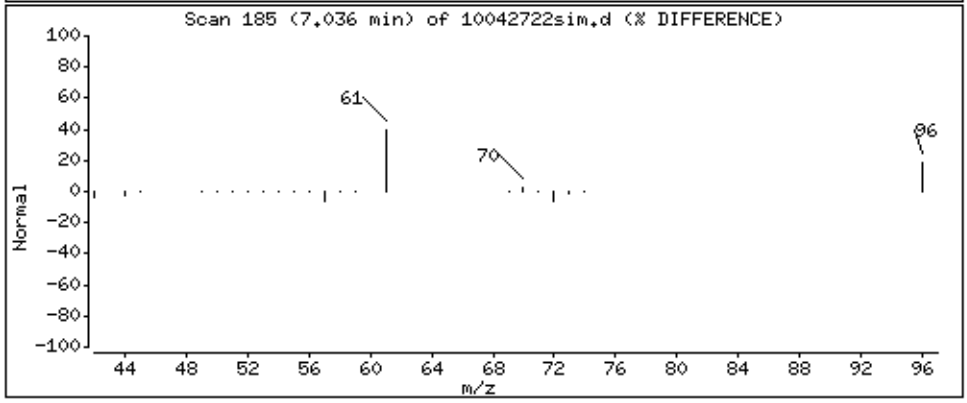












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

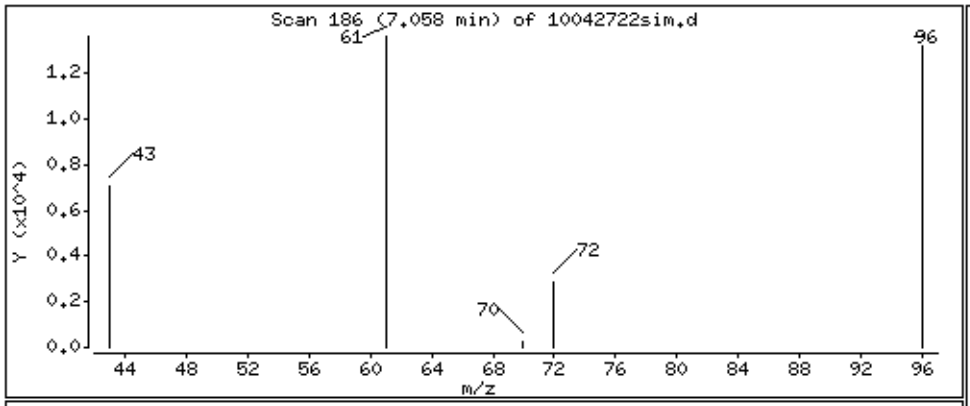
Operator: gm

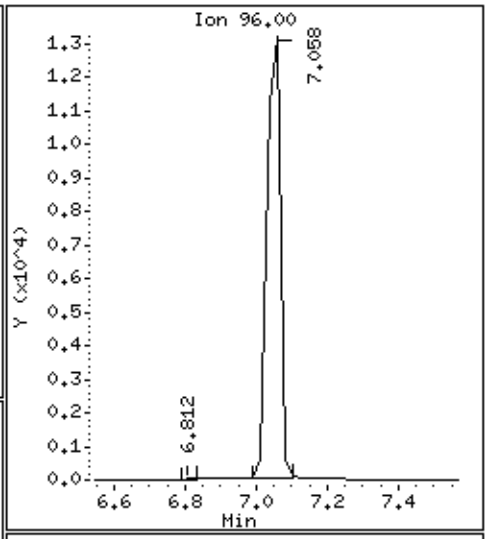
Column phase: DB-5.625

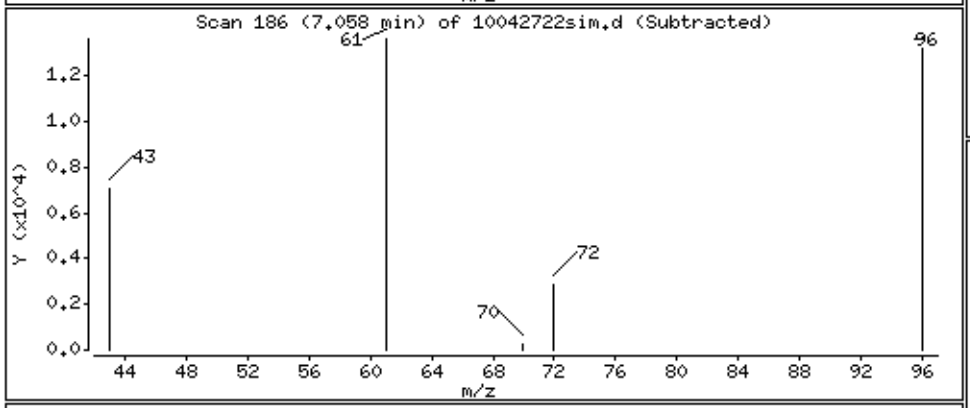
Column diameter: 0.25

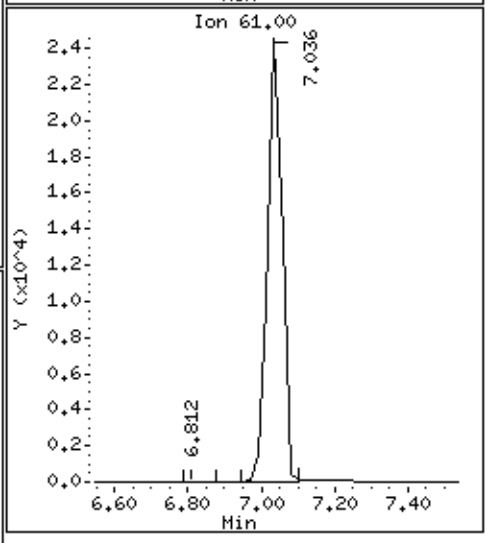
14 cis-1,2-Dichloroethene

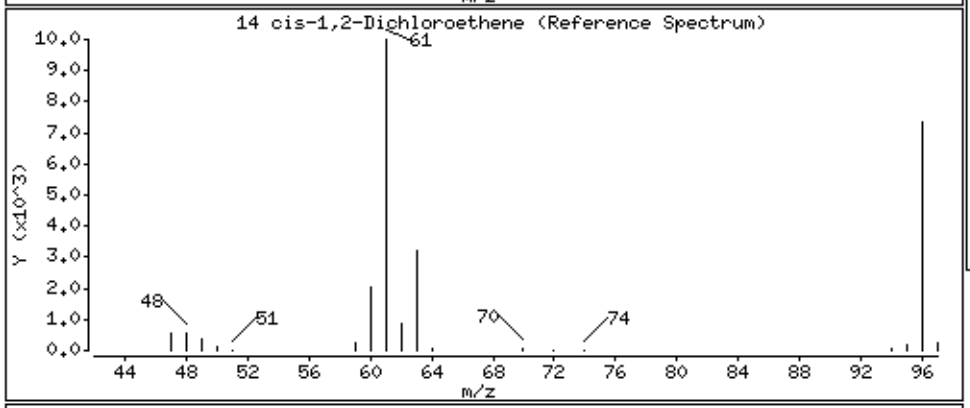
Concentration: 8.00944 ug

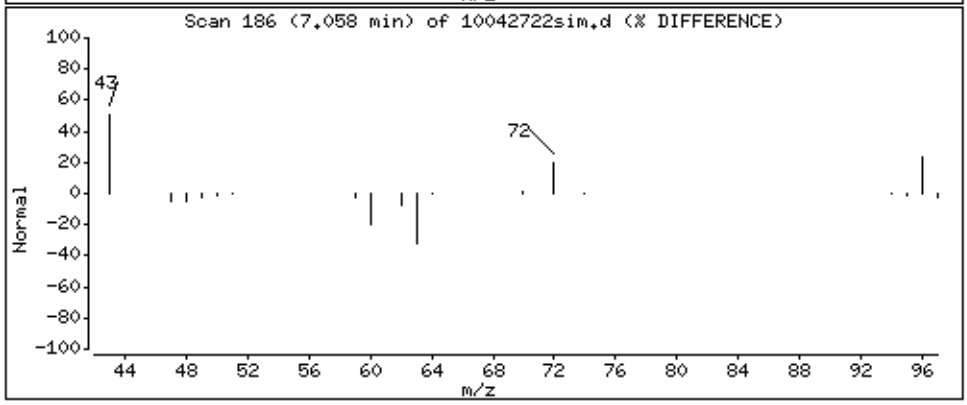












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

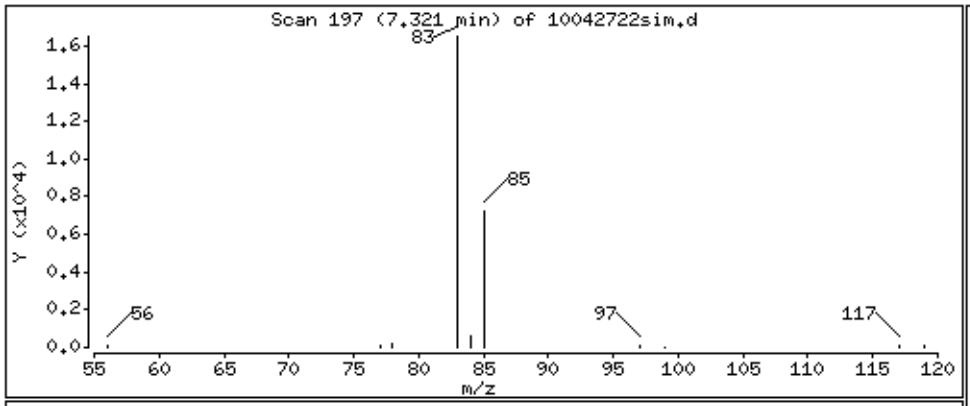
Operator: gm

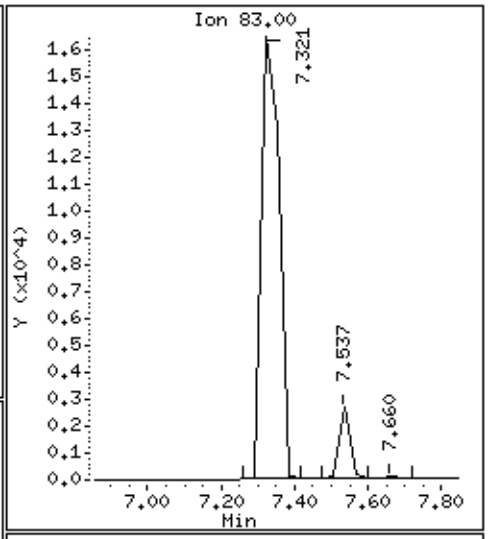
Column phase: DB-5.625

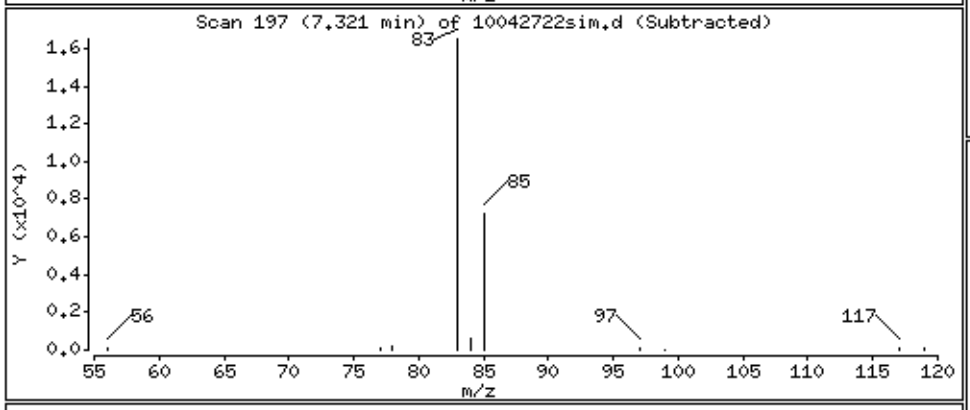
Column diameter: 0.25

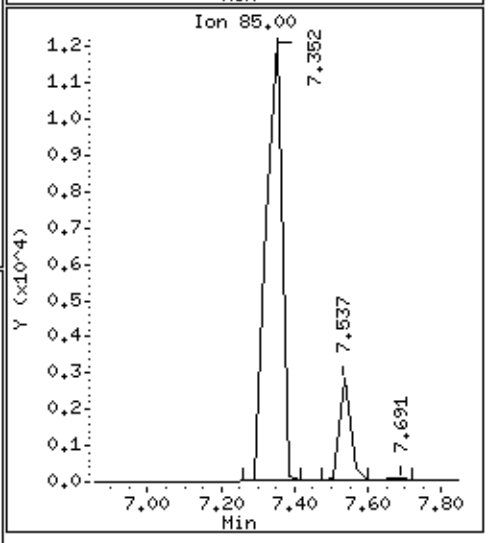
15 Chloroform-CCC

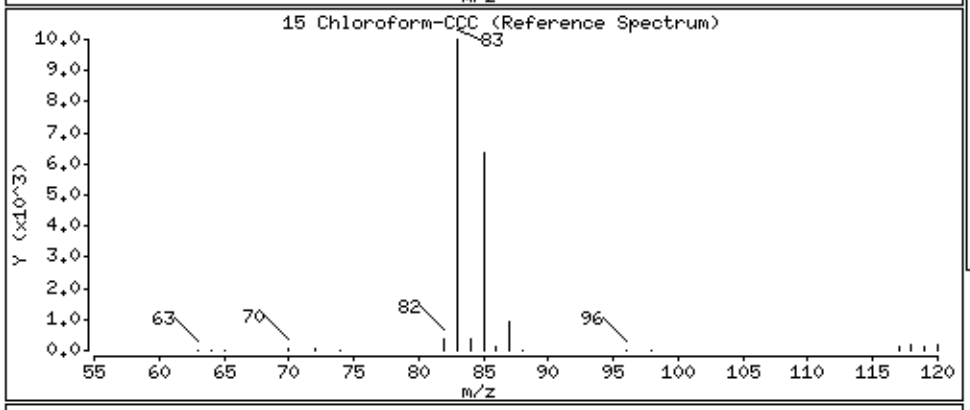
Concentration: 7.80142 ug

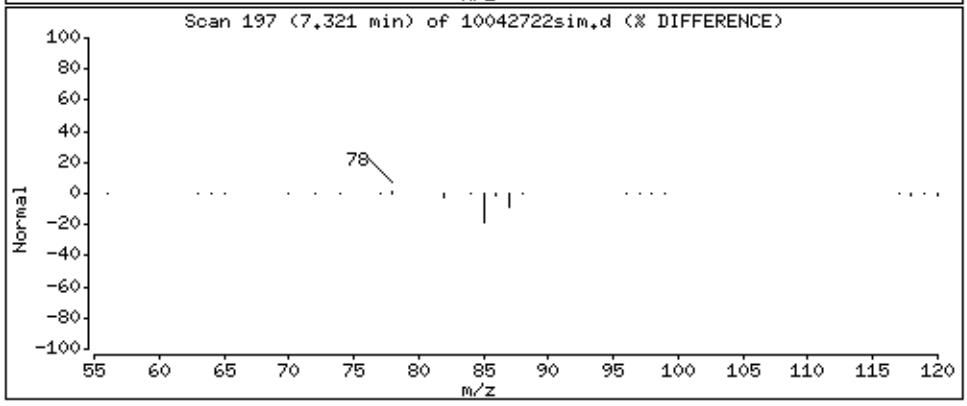












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

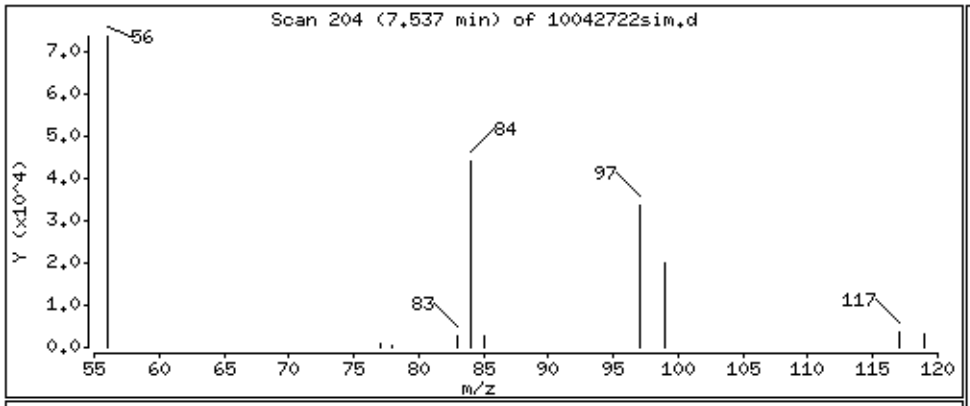
Operator: gm

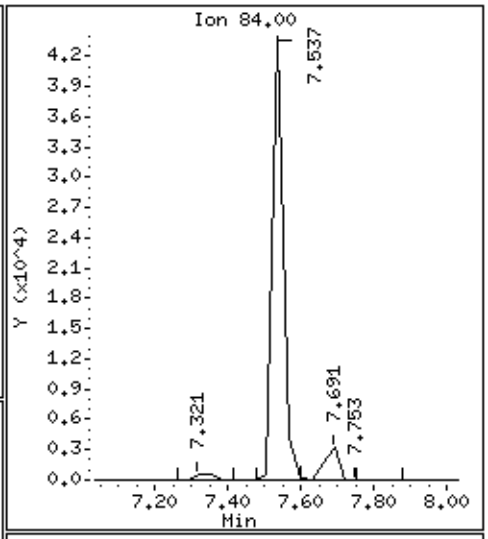
Column phase: DB-5.625

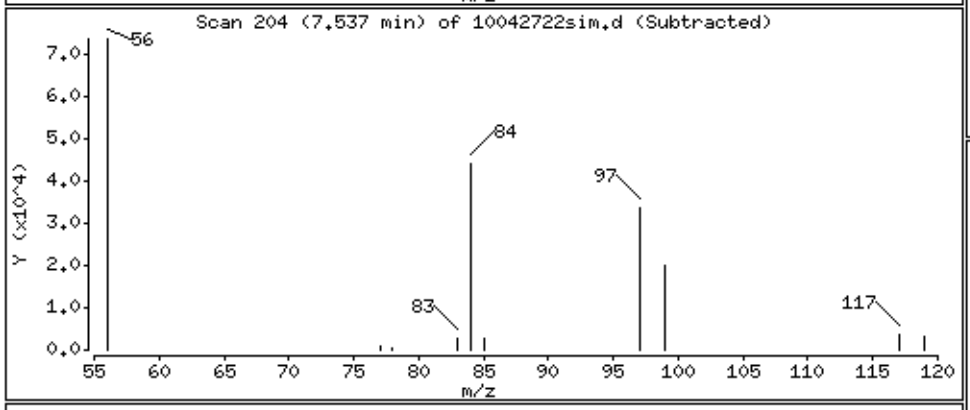
Column diameter: 0.25

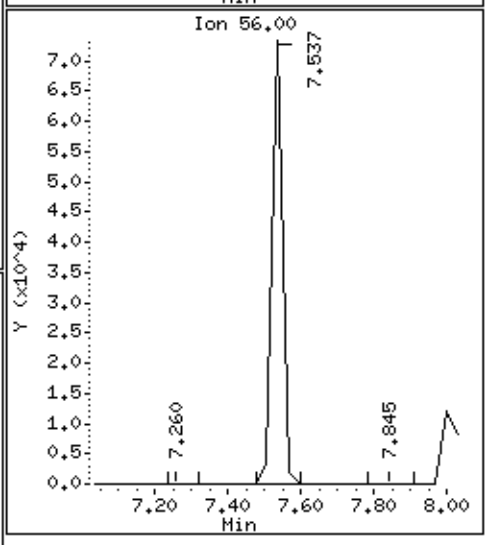
16 Cyclohexane

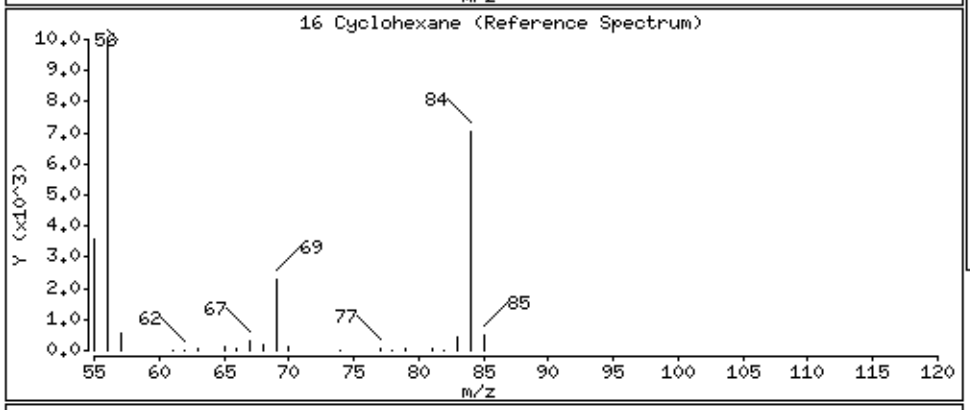
Concentration: 9.27795 ug

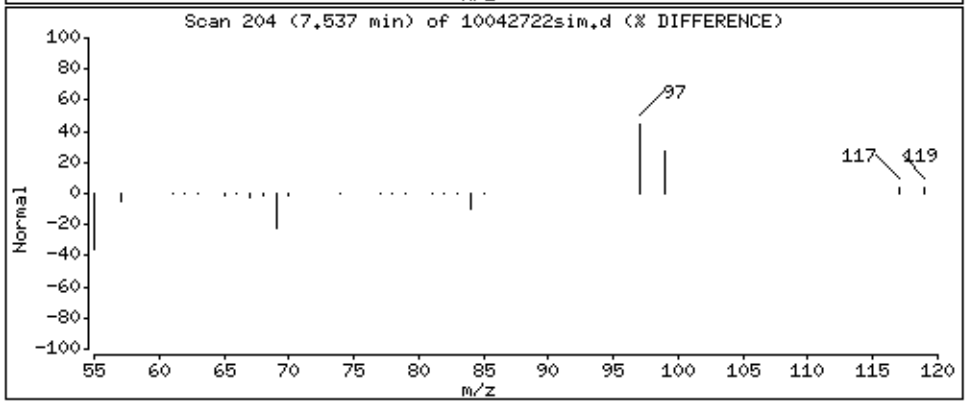












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

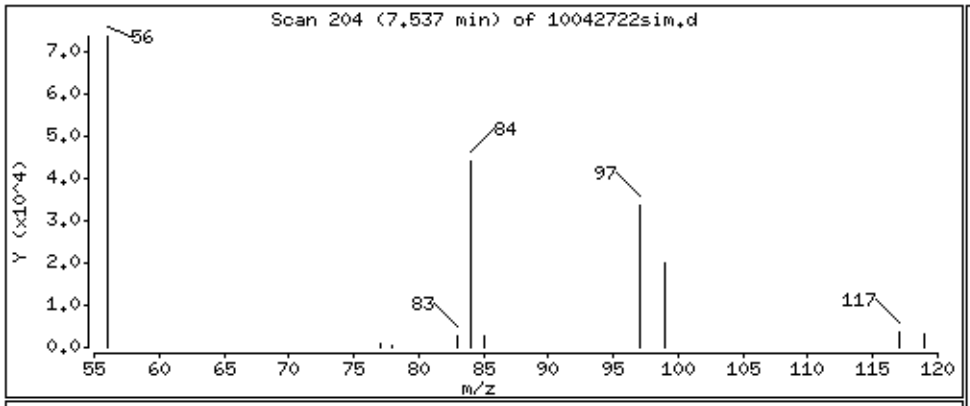
Operator: gm

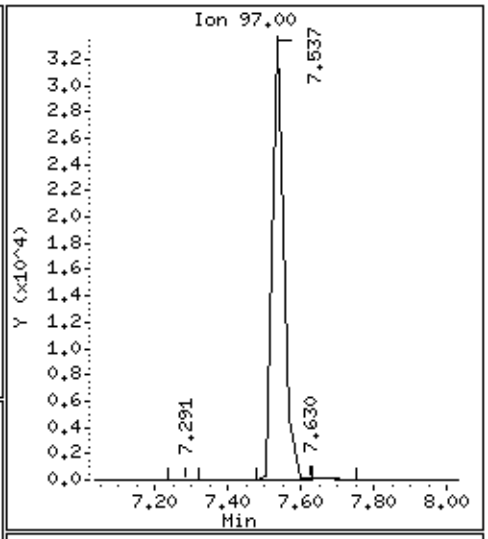
Column phase: DB-5.625

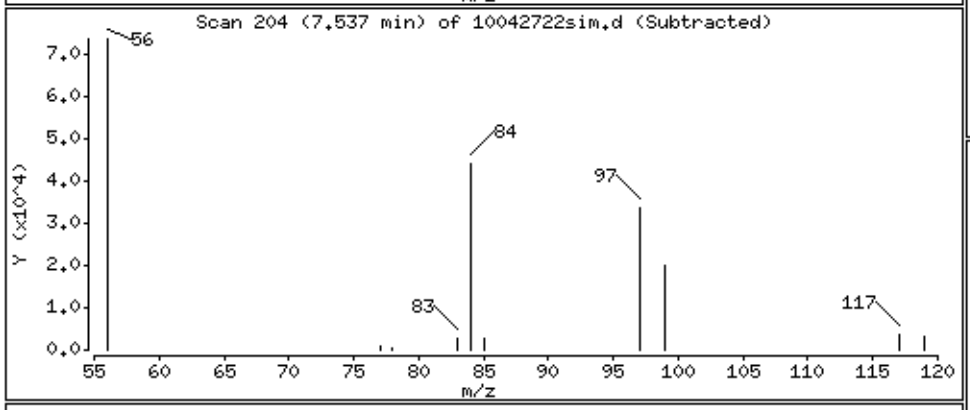
Column diameter: 0.25

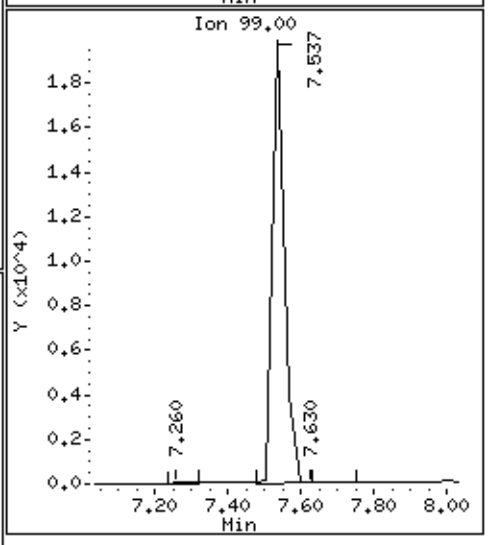
17 1,1,1-Trichloroethane

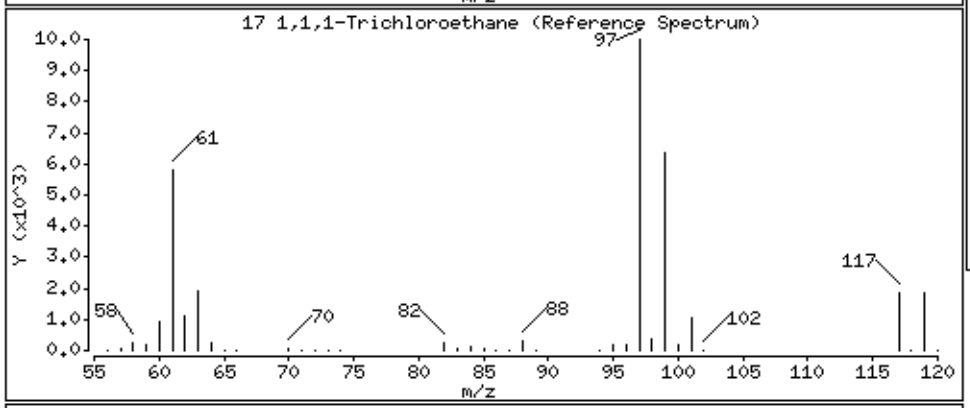
Concentration: 8.38548 ug

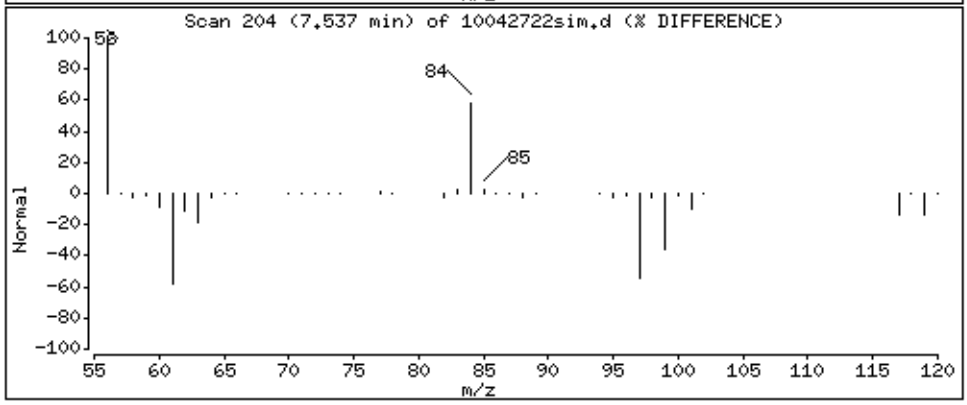












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

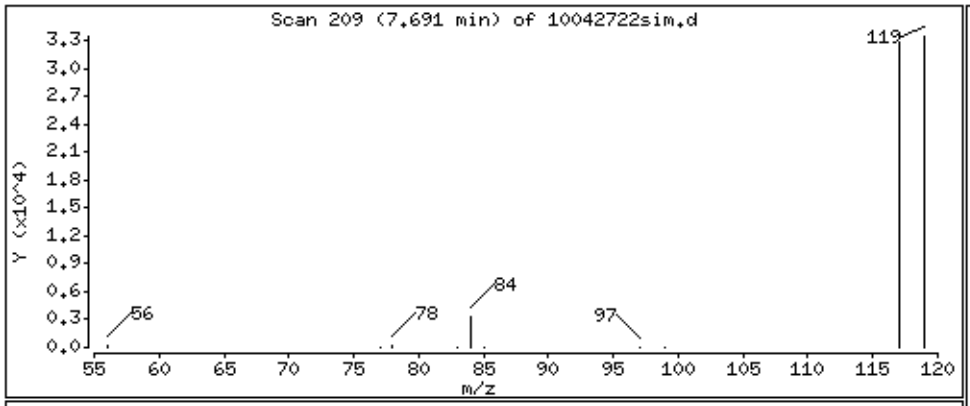
Operator: gm

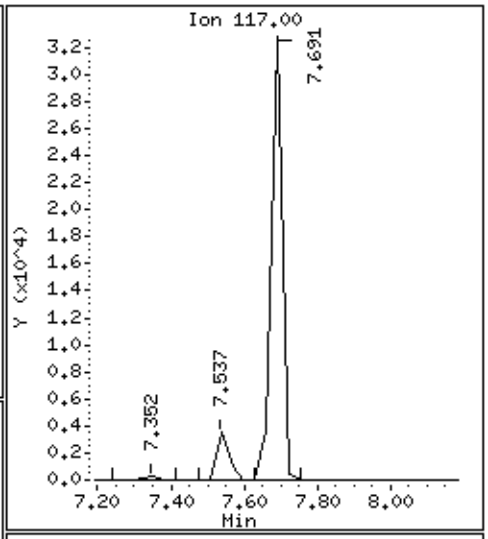
Column phase: DB-5.625

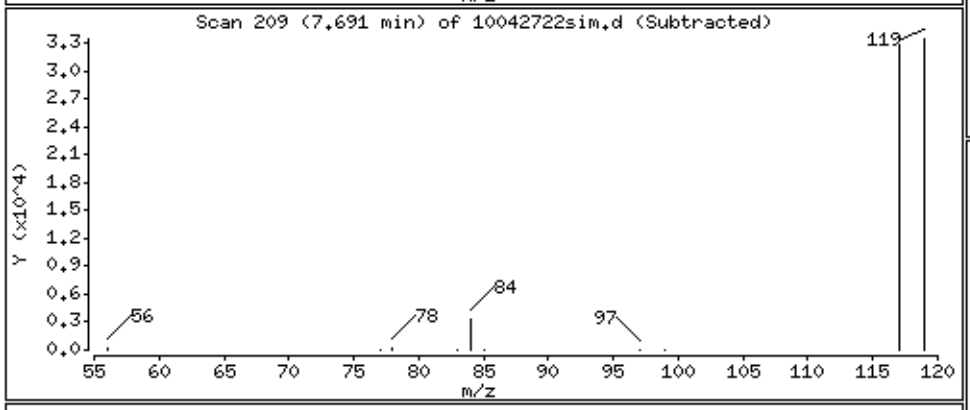
Column diameter: 0.25

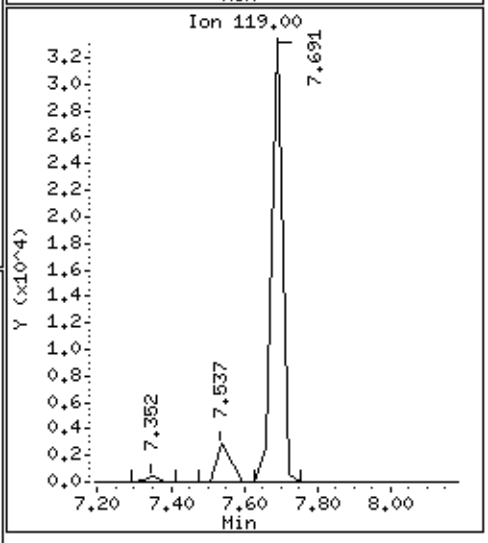
18 Carbon Tetrachloride

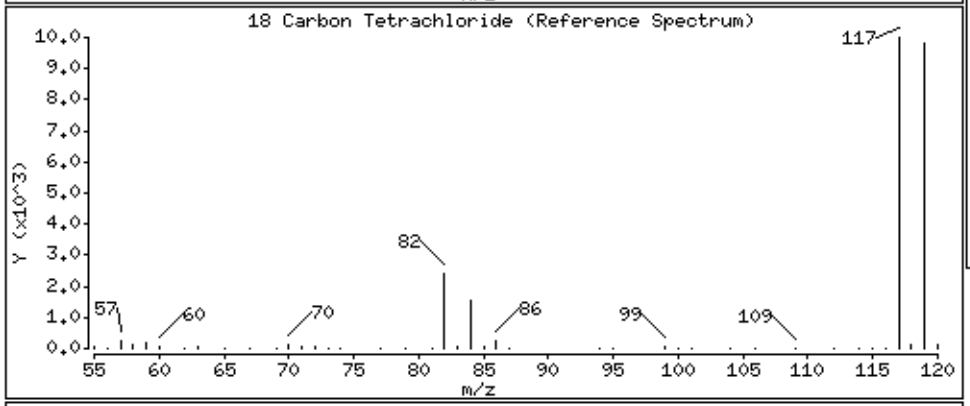
Concentration: 8.94906 ug

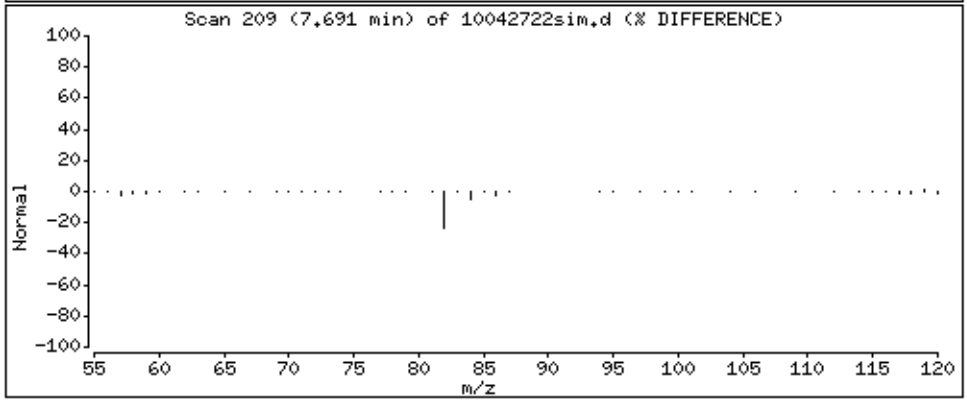












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

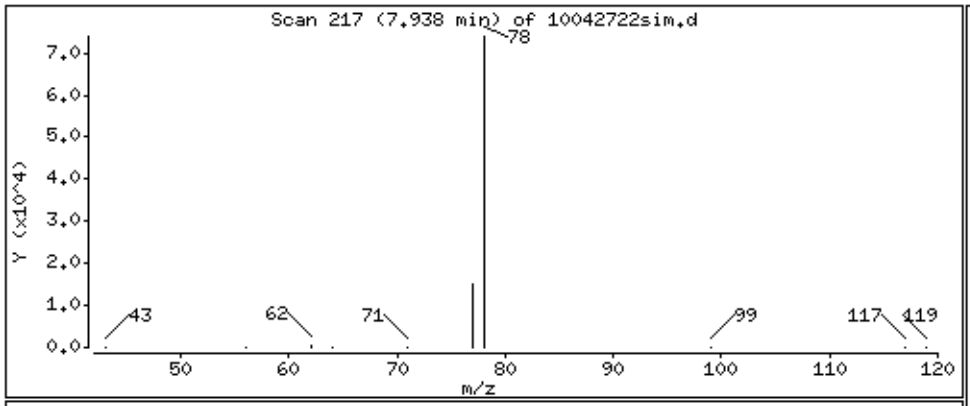
Operator: gm

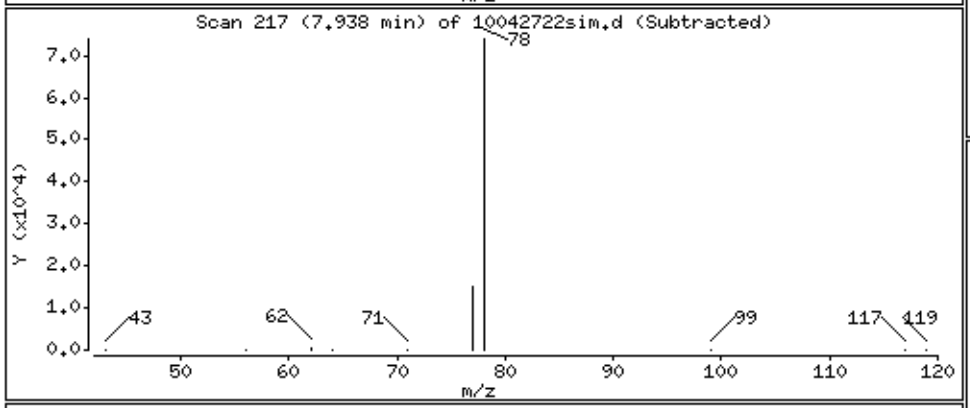
Column phase: DB-5.625

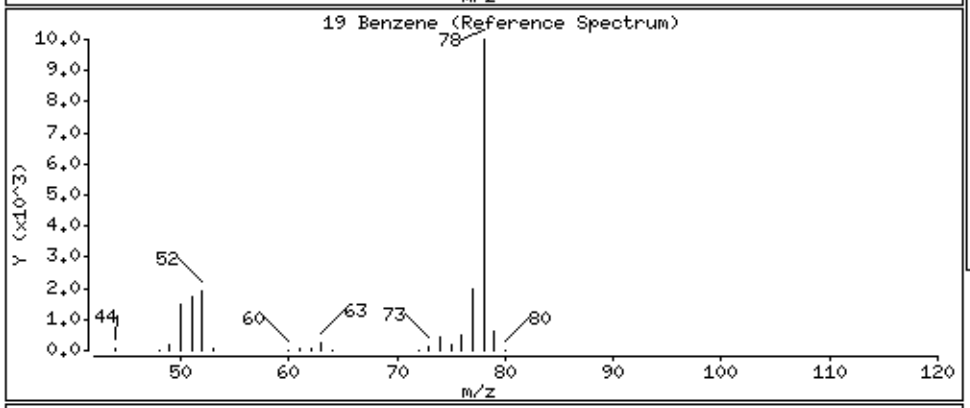
Column diameter: 0.25

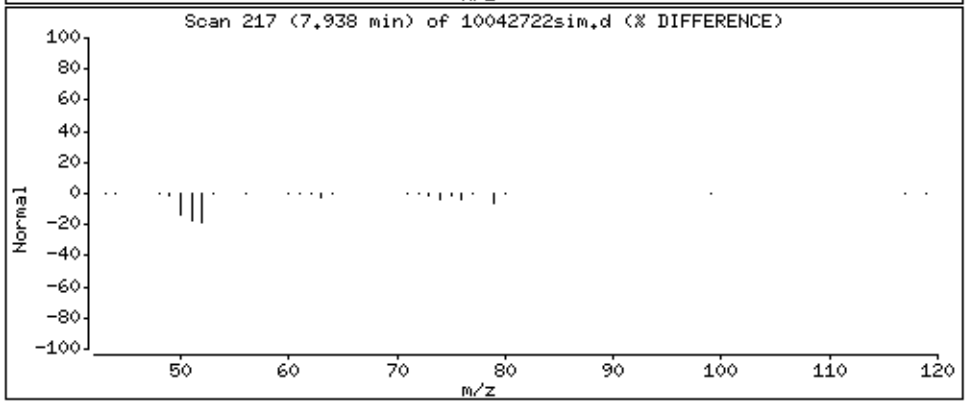
19 Benzene

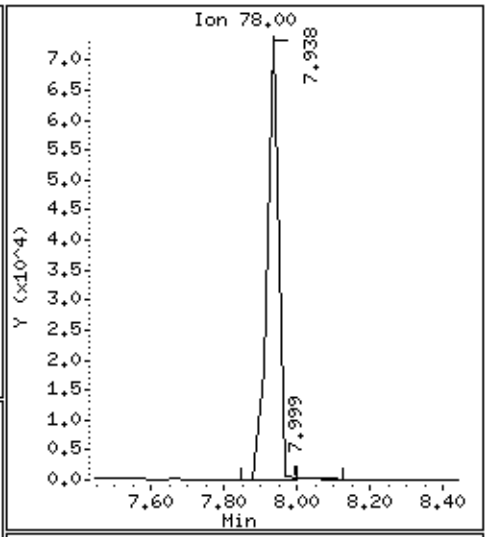
Concentration: 8.78254 ug

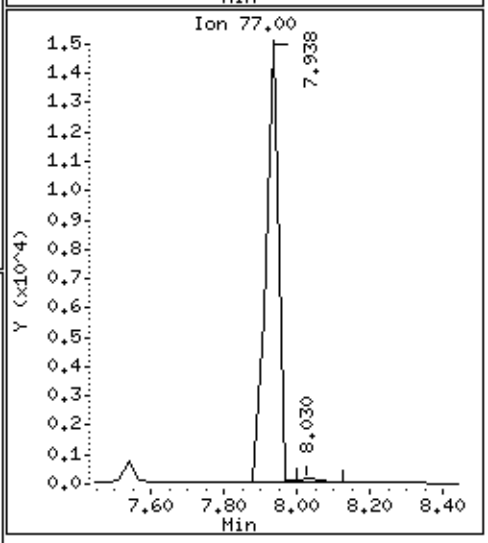












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

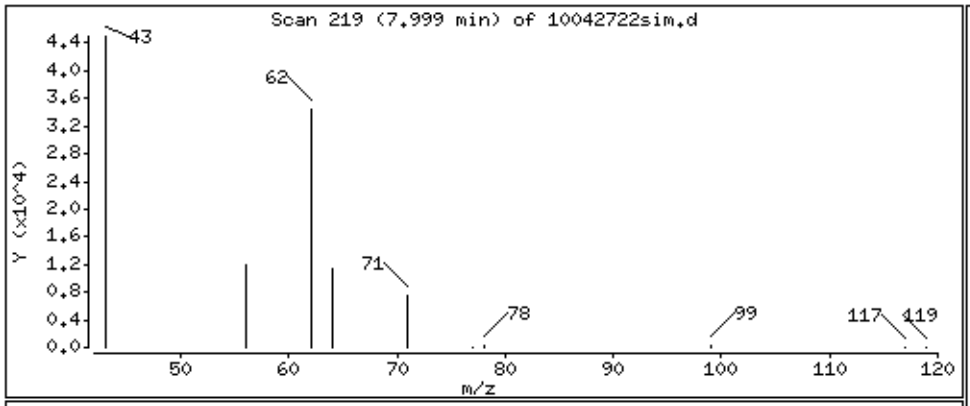
Operator: gm

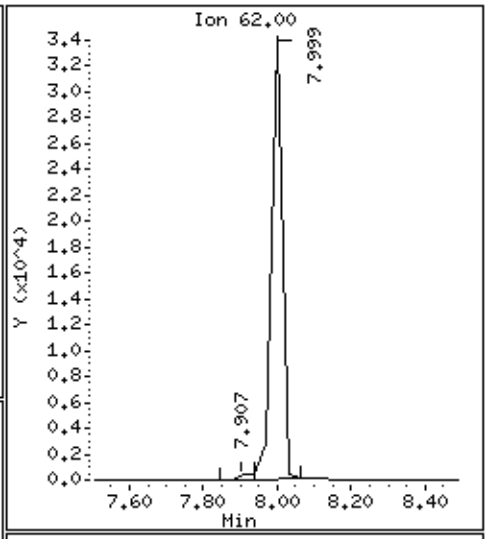
Column phase: DB-5.625

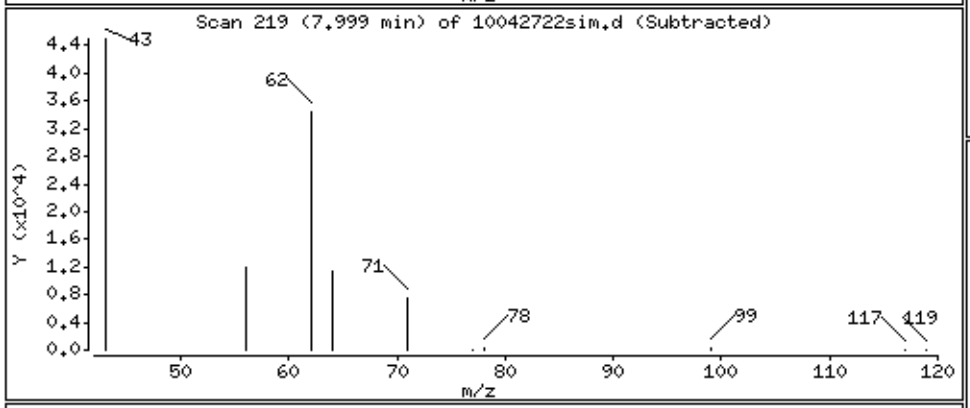
Column diameter: 0.25

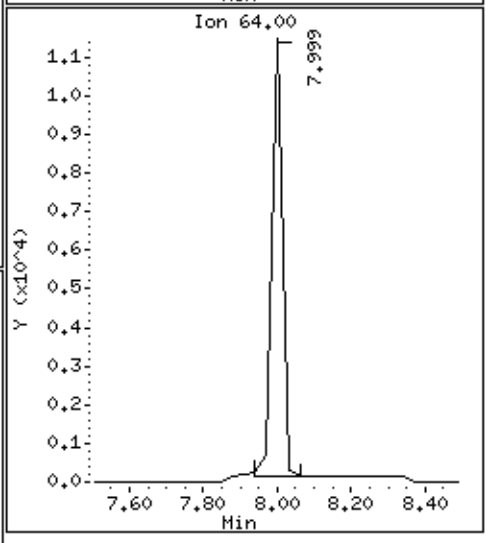
20 1,2-Dichloroethane

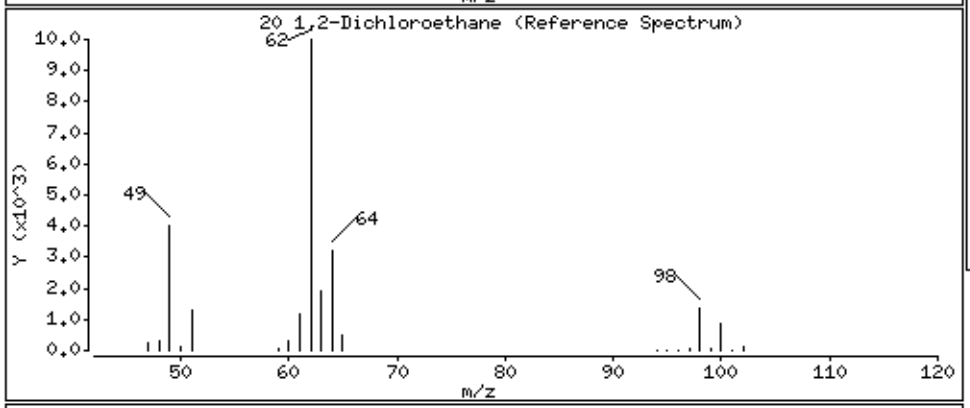
Concentration: 8.36536 ug

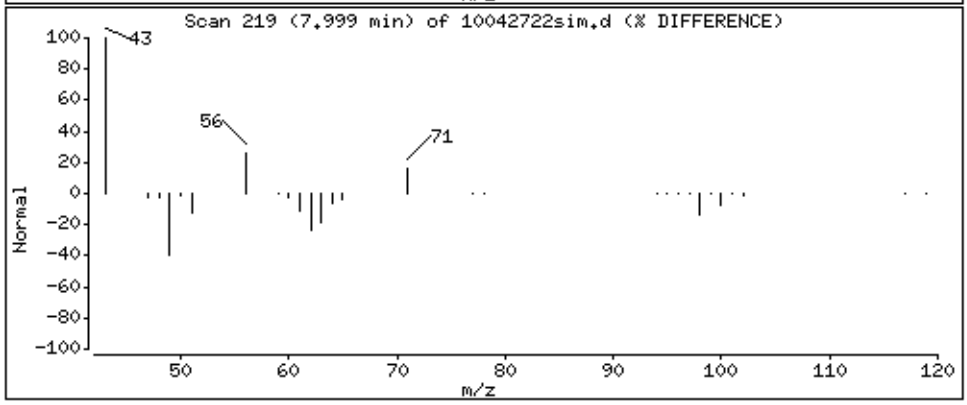












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

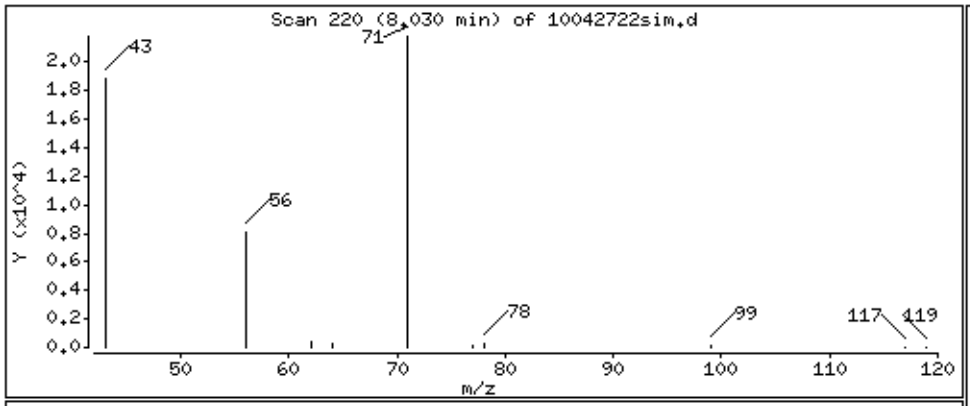
Operator: gm

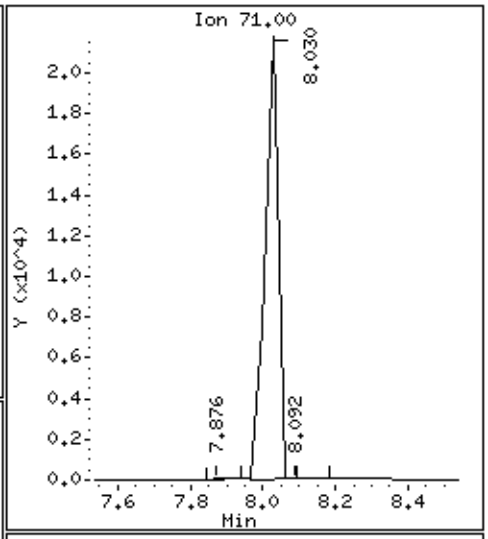
Column phase: DB-5.625

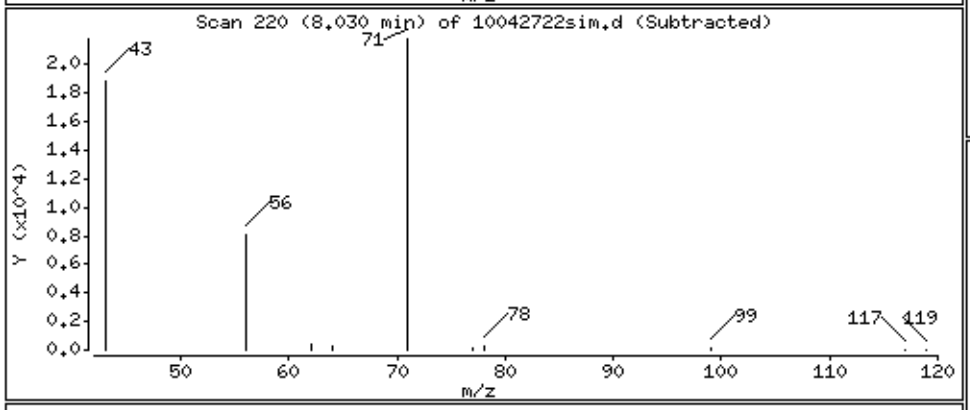
Column diameter: 0.25

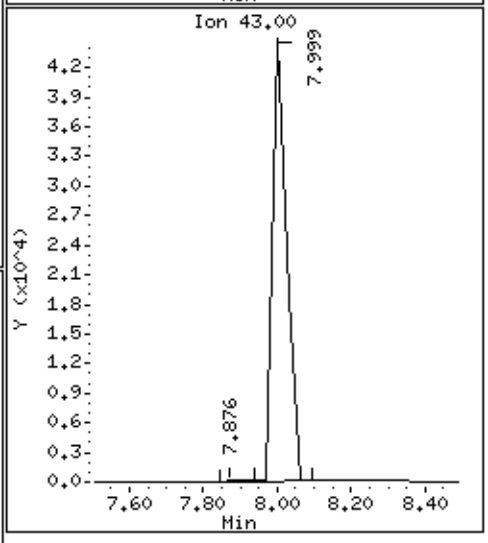
21 Heptane

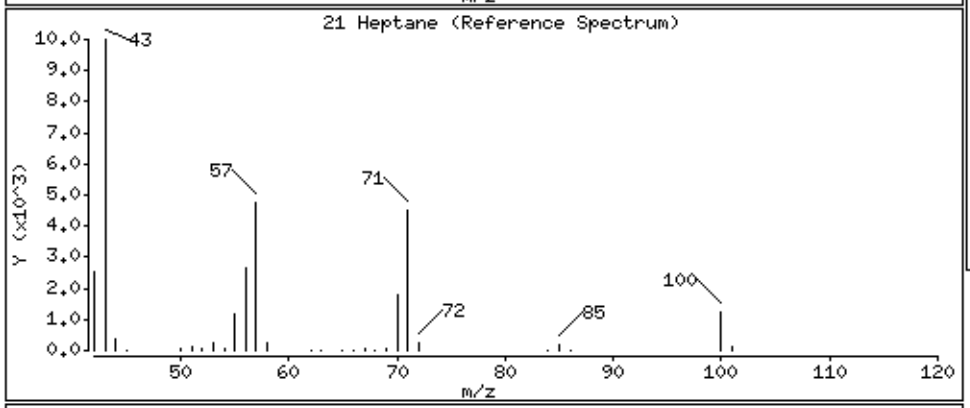
Concentration: 9.36393 ug

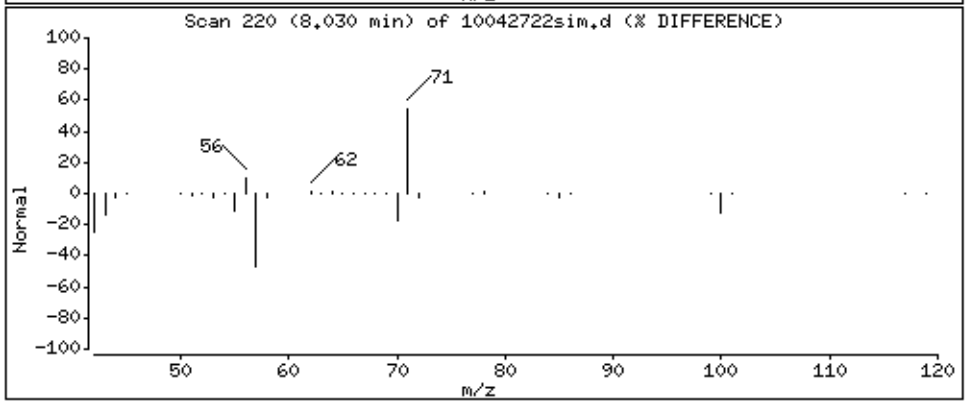












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

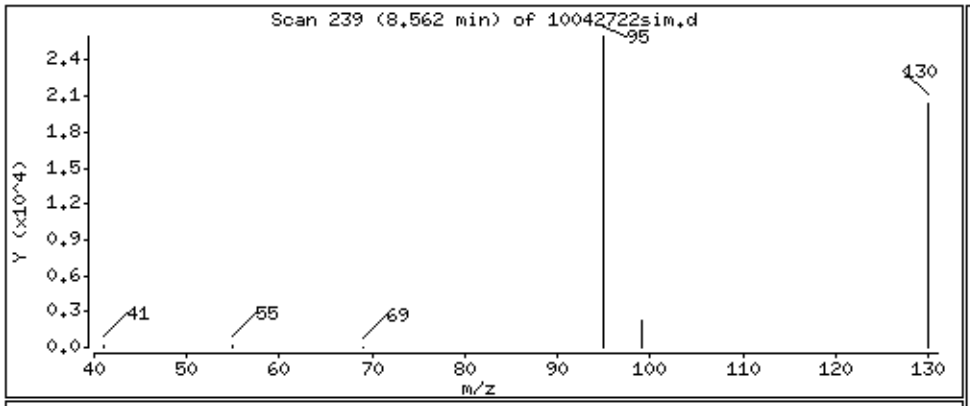
Operator: gm

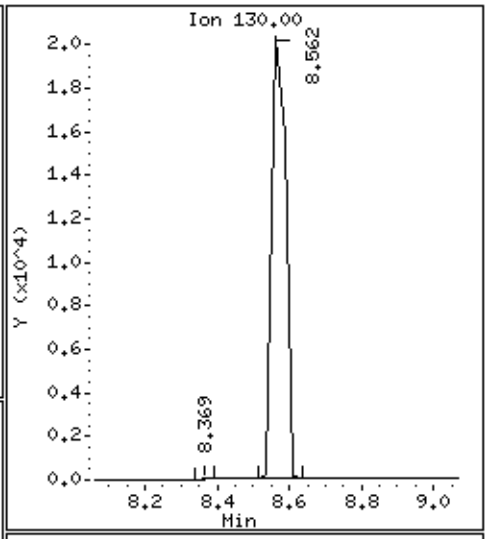
Column phase: DB-5.625

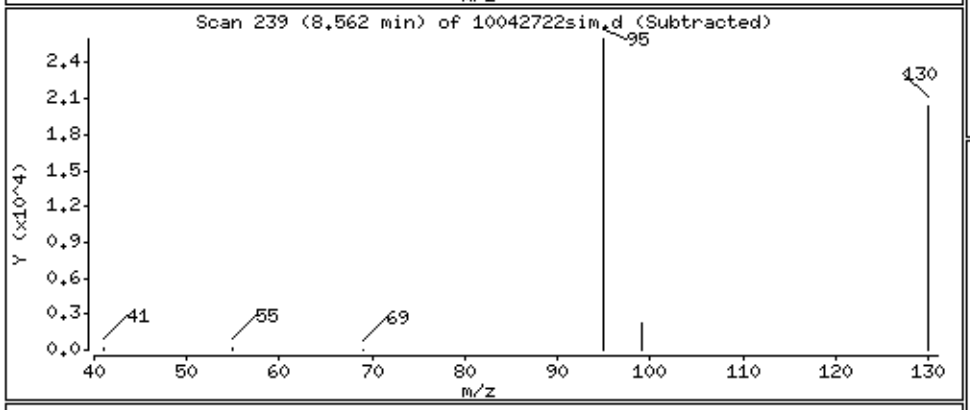
Column diameter: 0.25

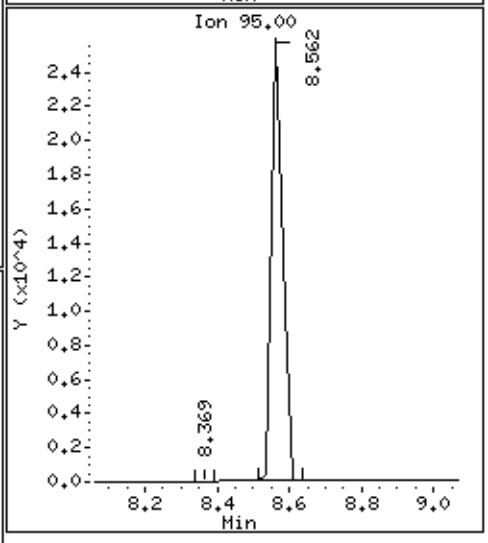
22 Trichloroethene

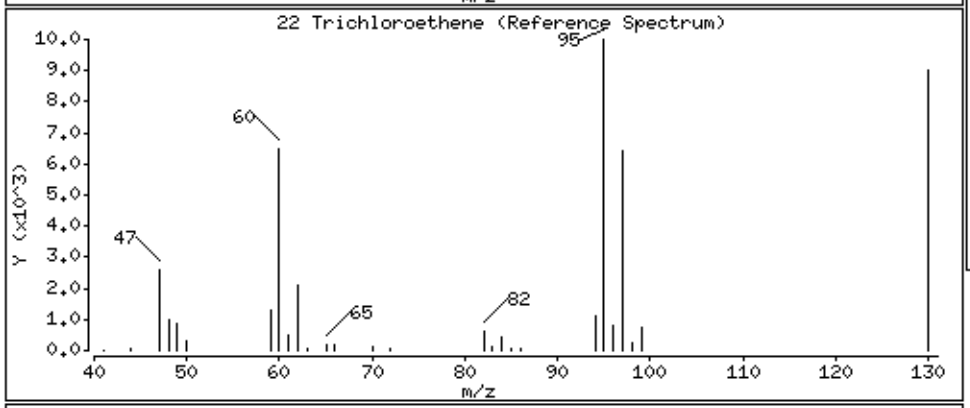
Concentration: 8.60263 ug

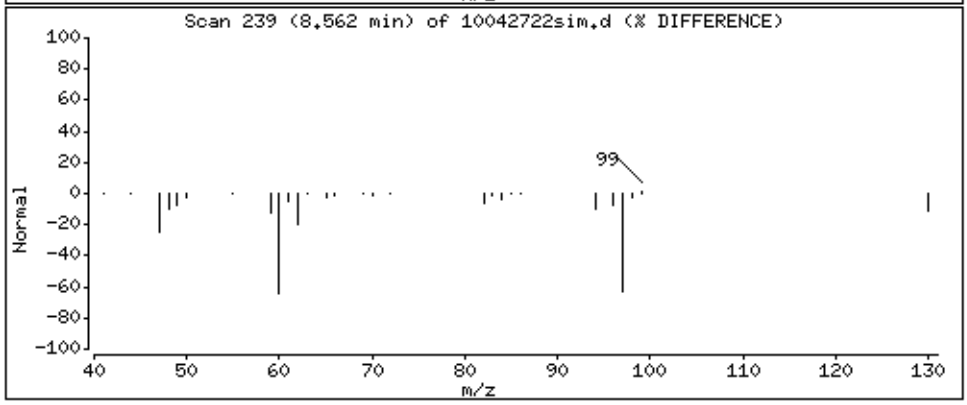












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

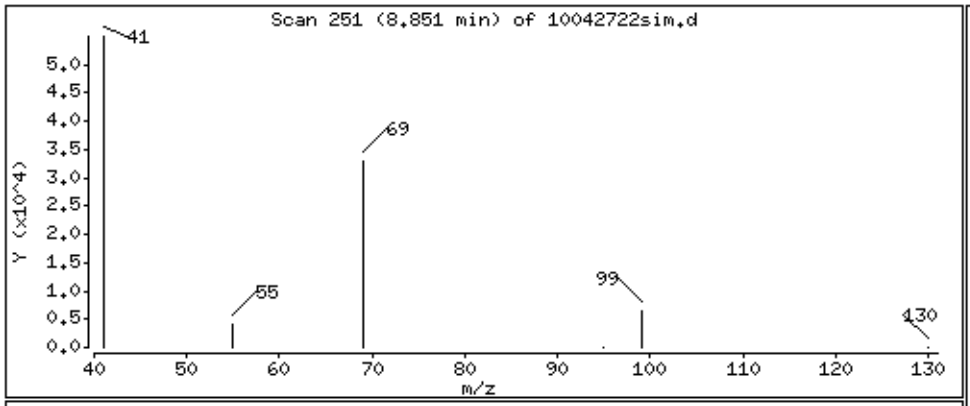
Operator: gm

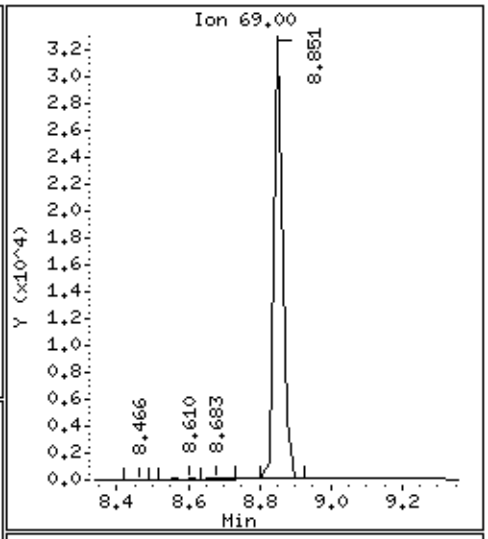
Column phase: DB-5.625

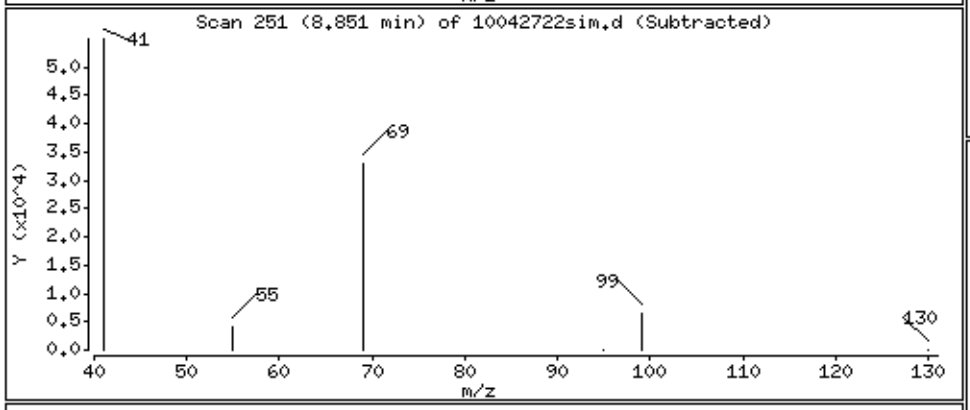
Column diameter: 0.25

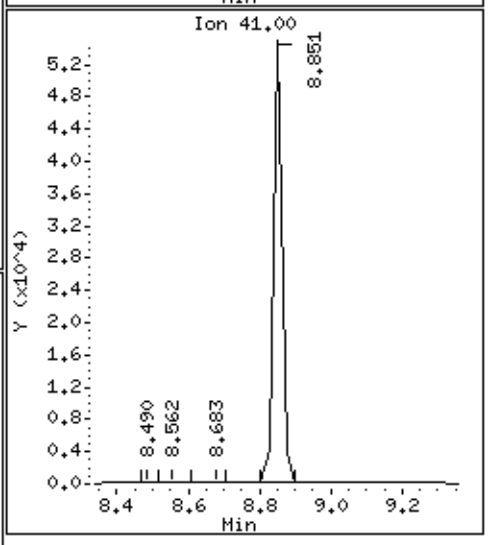
24 Methyl Methacrylate

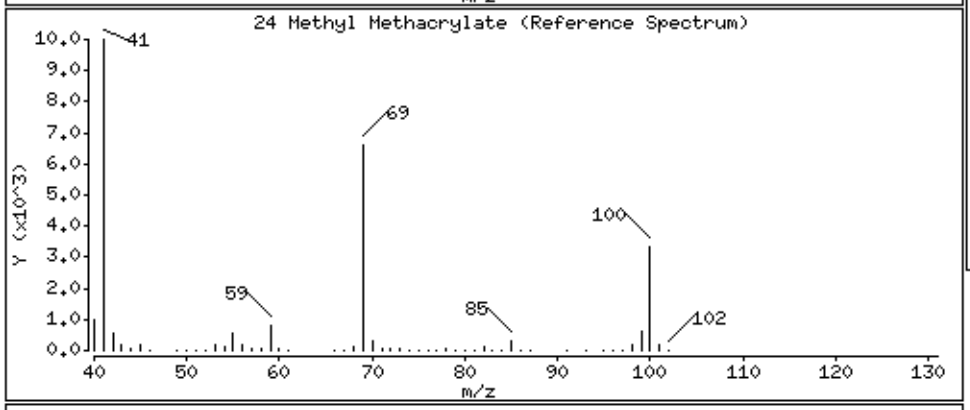
Concentration: 8.74583 ug

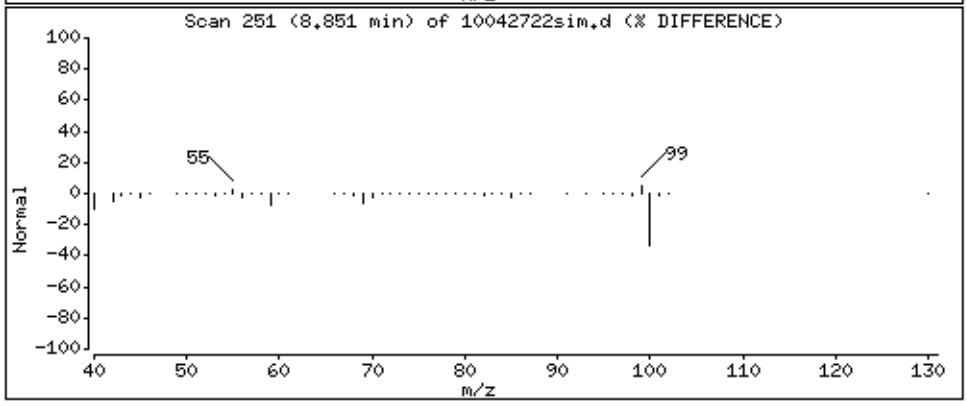












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

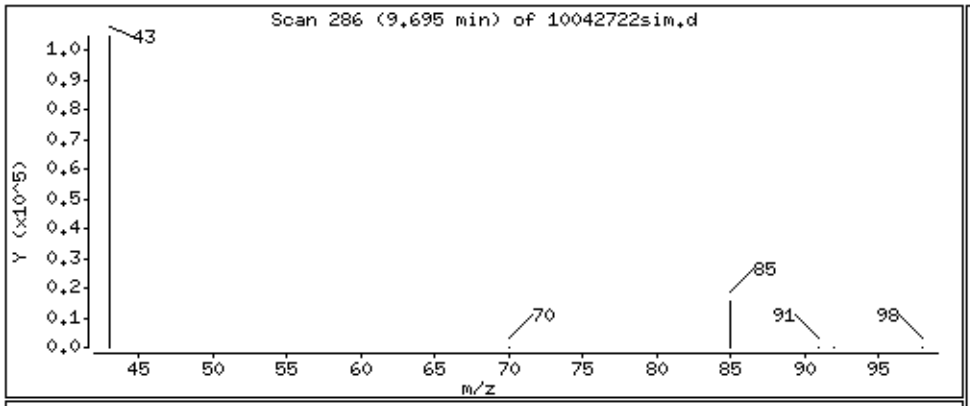
Operator: gm

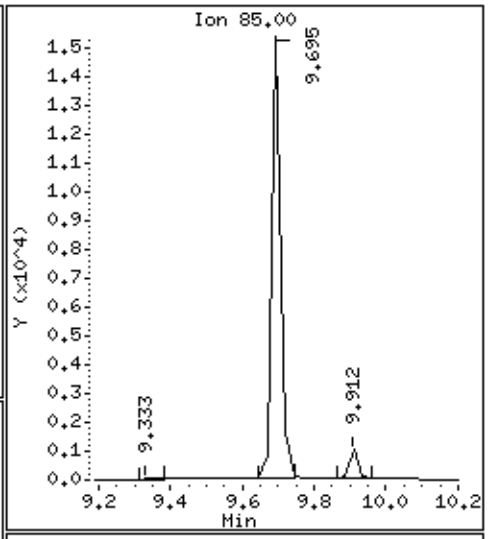
Column phase: DB-5.625

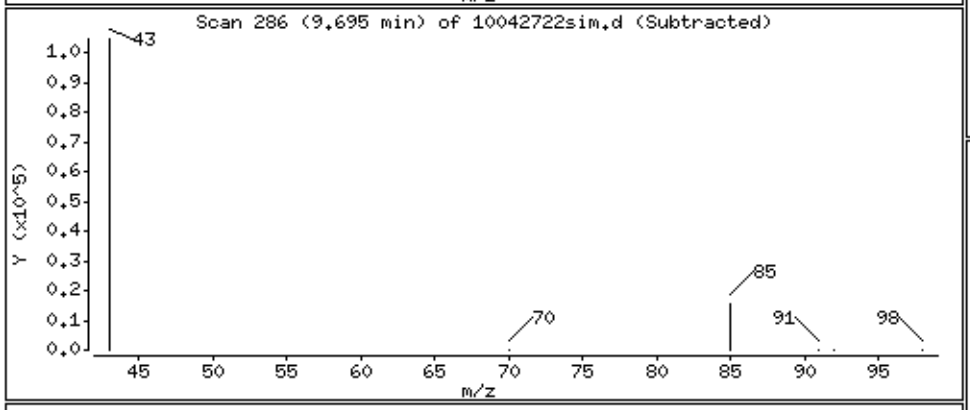
Column diameter: 0.25

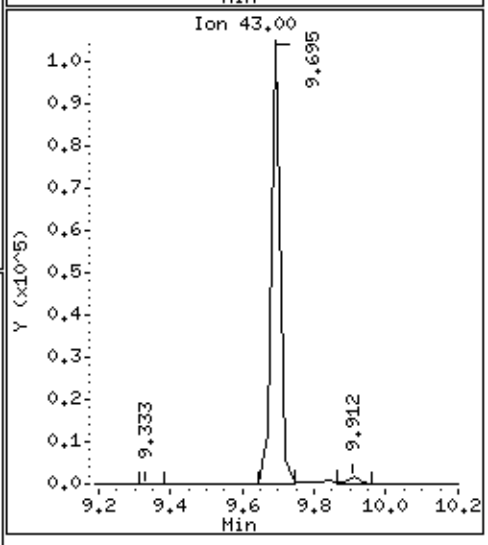
25 4-Methyl-2-pentanone

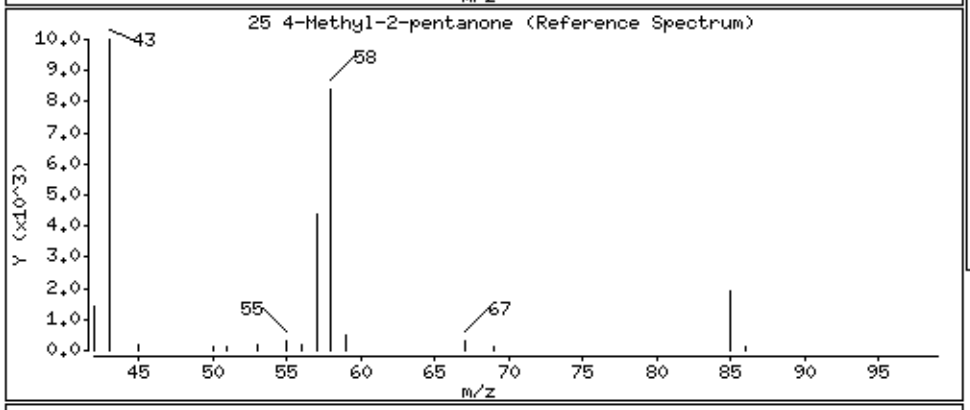
Concentration: 9.49657 ug

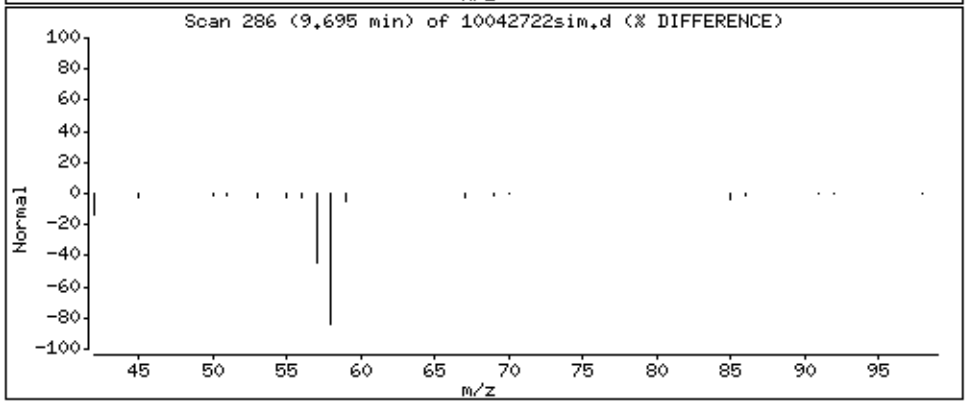












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

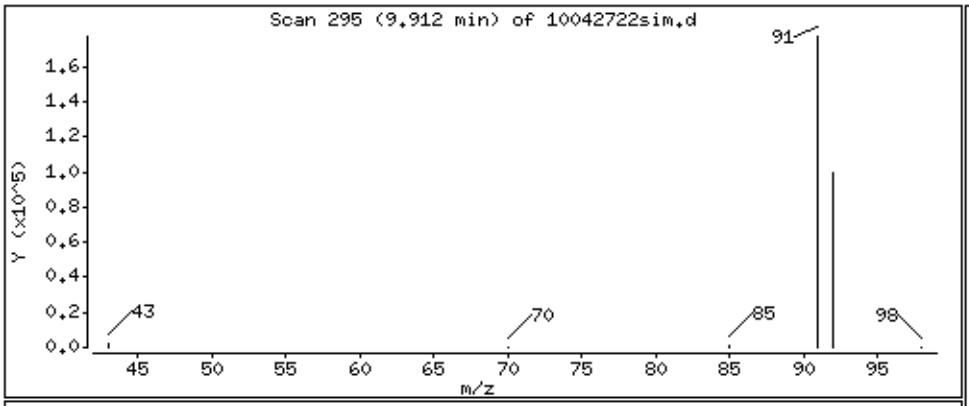
Operator: gm

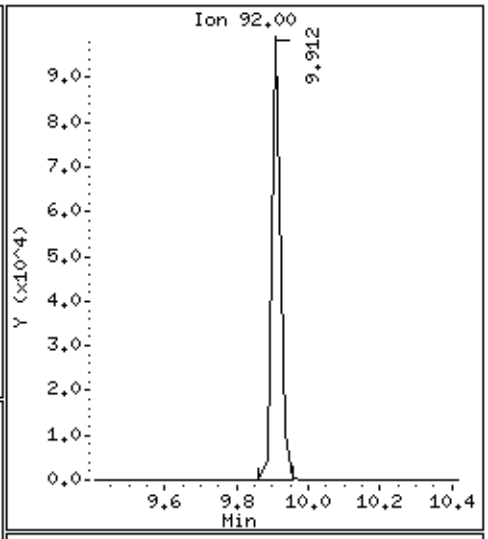
Column phase: DB-5.625

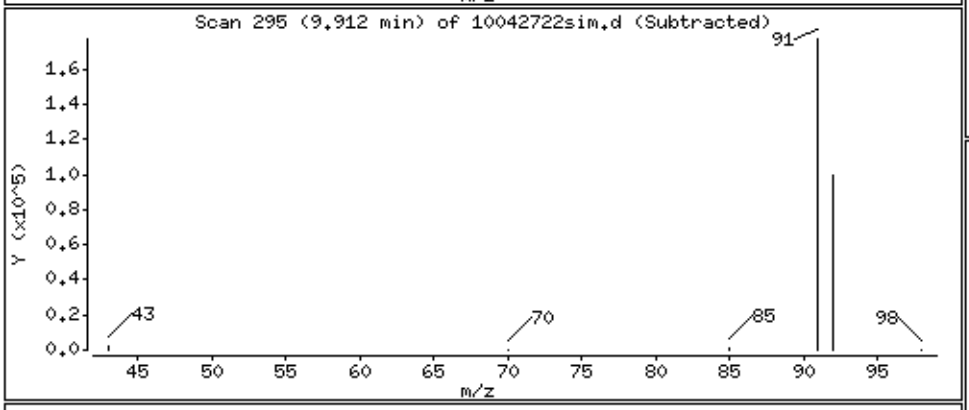
Column diameter: 0.25

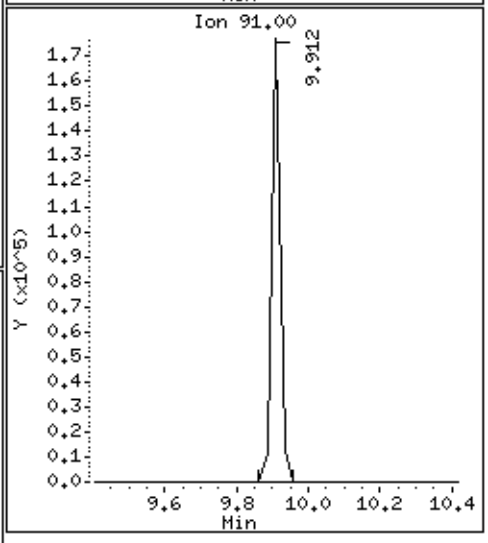
28 Toluene-CCC

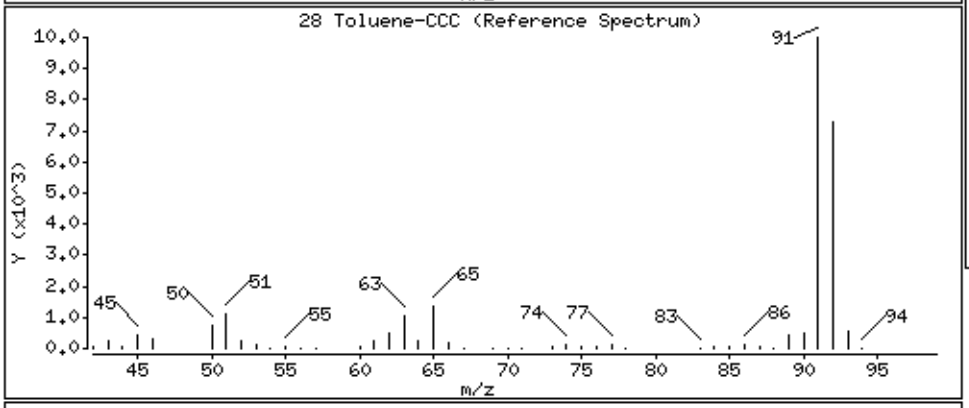
Concentration: 8.96590 ug

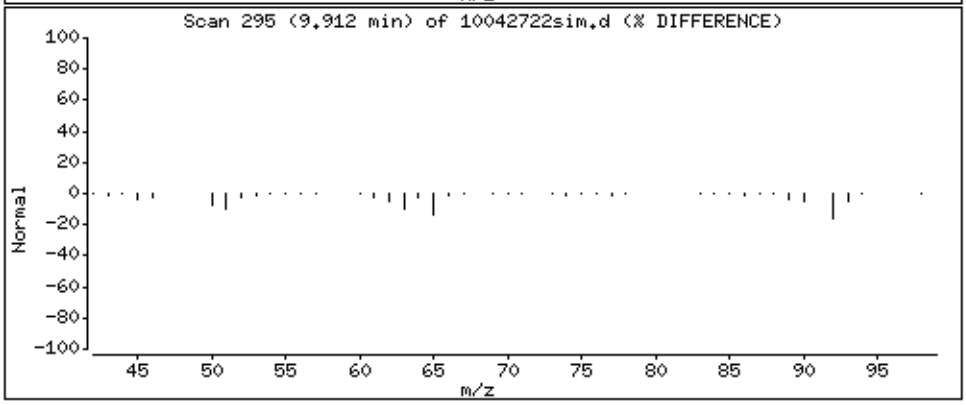












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

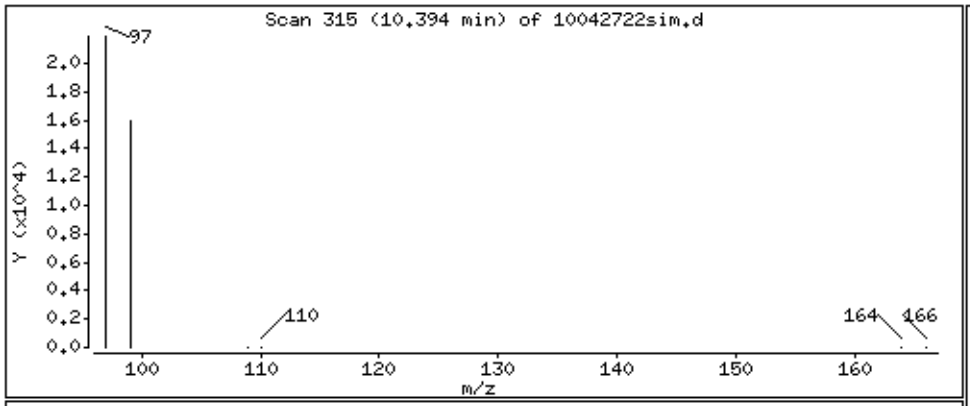
Operator: gm

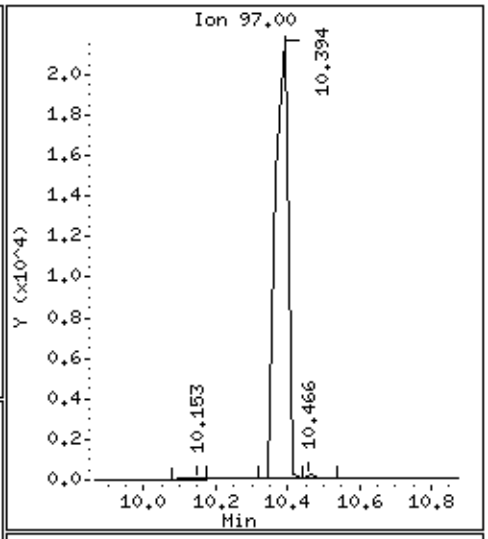
Column phase: DB-5.625

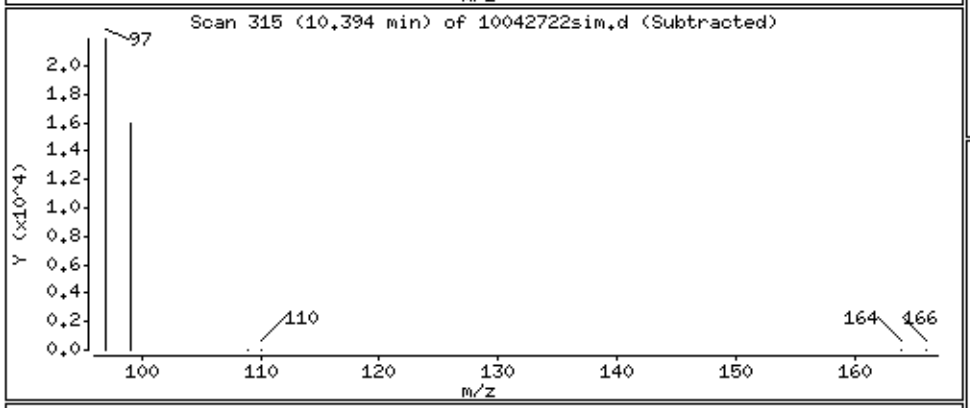
Column diameter: 0.25

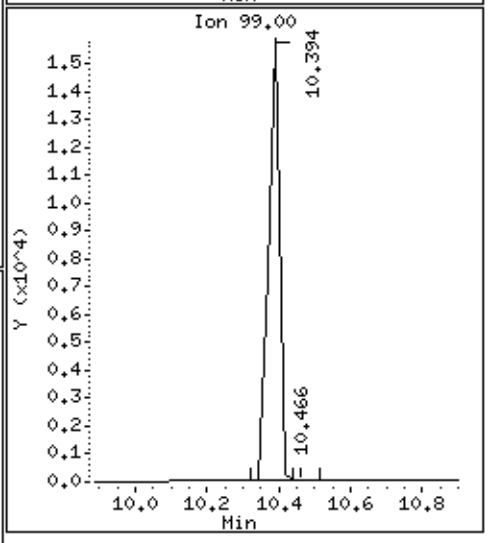
30 1,1,2-Trichloroethane

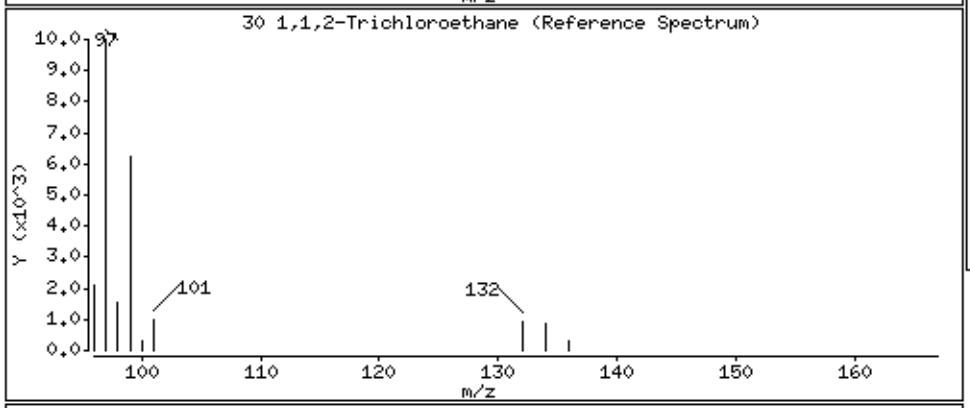
Concentration: 8.91486 ug

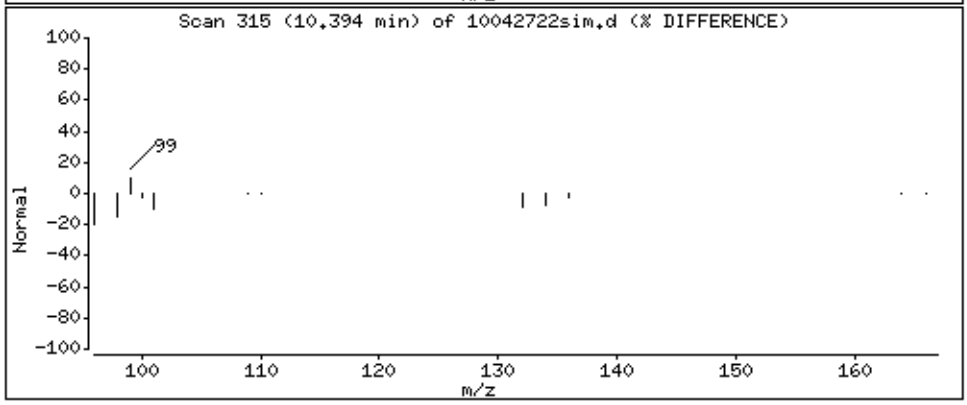












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

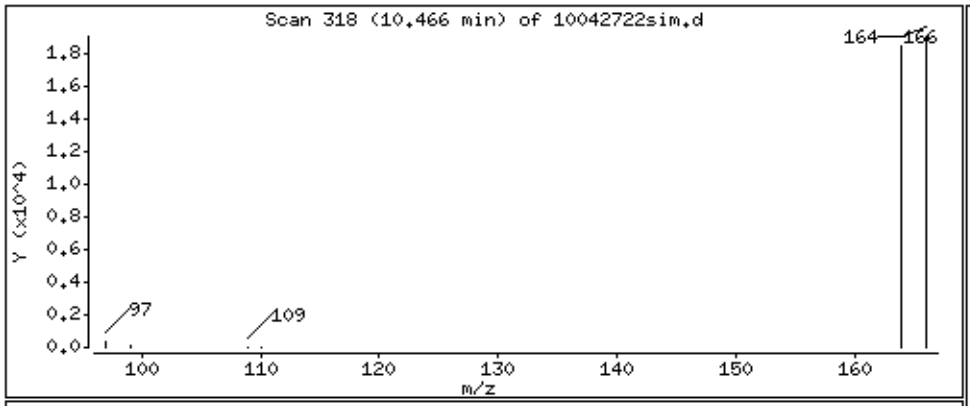
Operator: gm

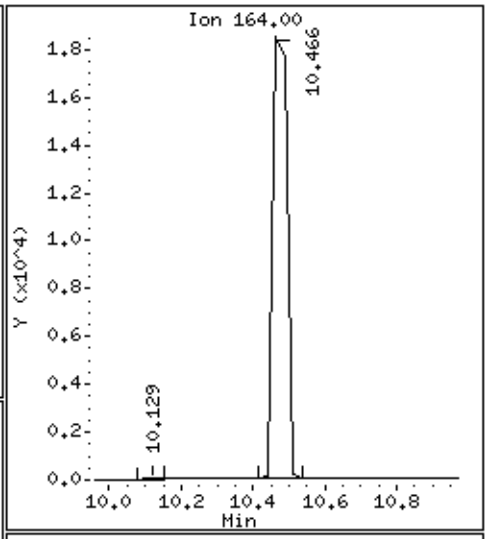
Column phase: DB-5.625

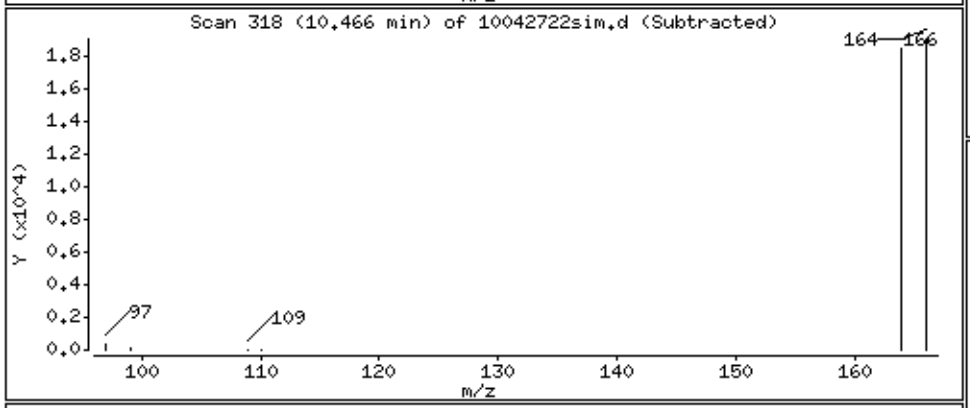
Column diameter: 0.25

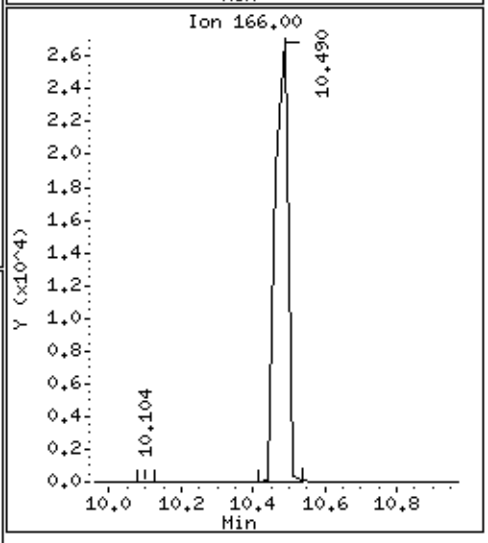
31 Tetrachloroethene

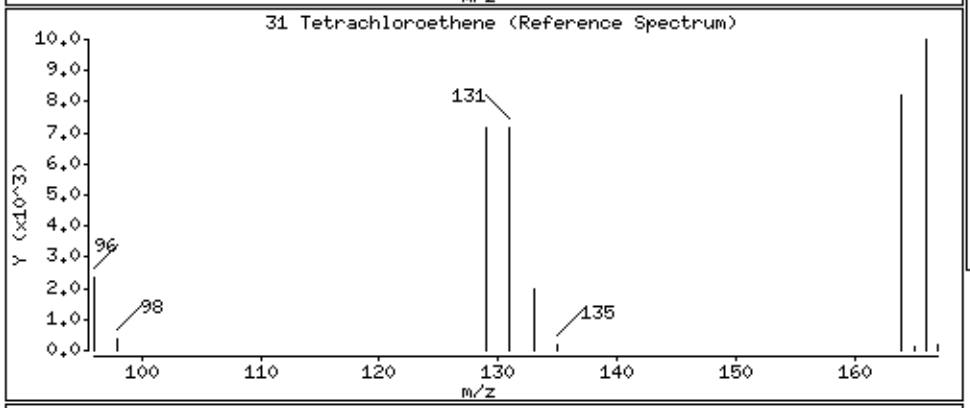
Concentration: 9.01468 ug

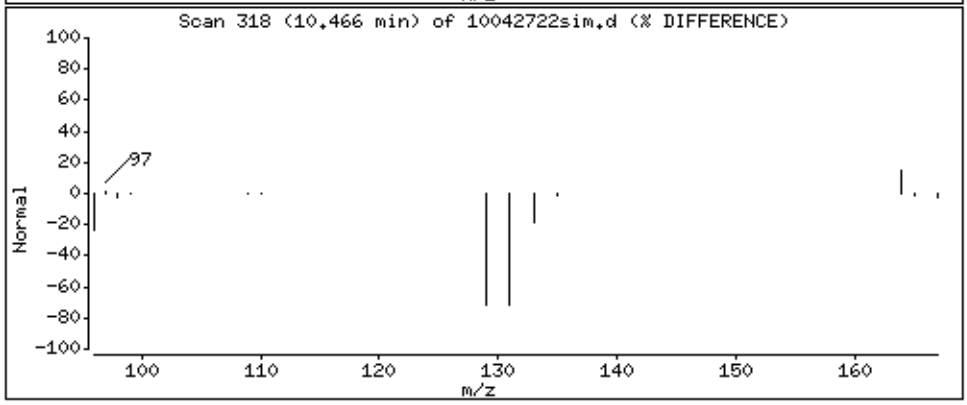












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

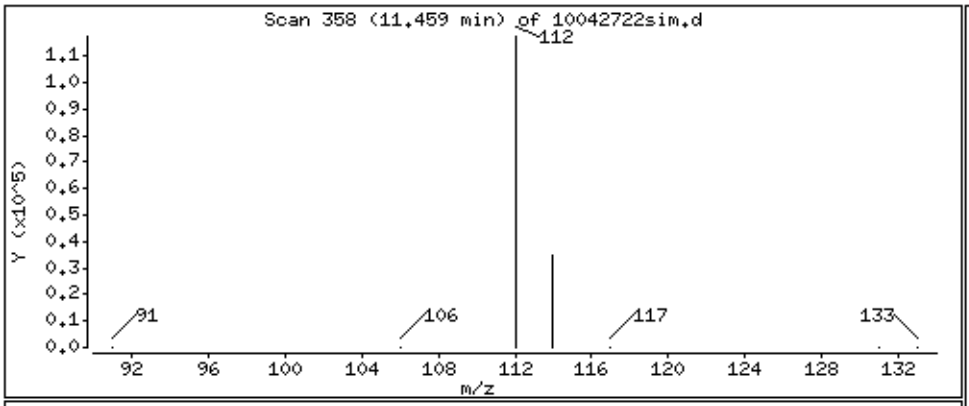
Operator: gm

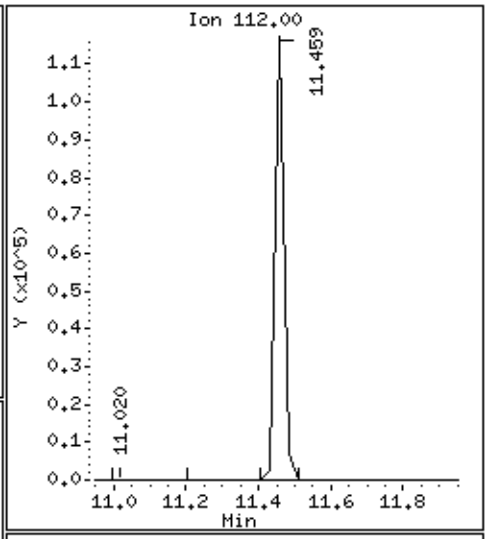
Column phase: DB-5.625

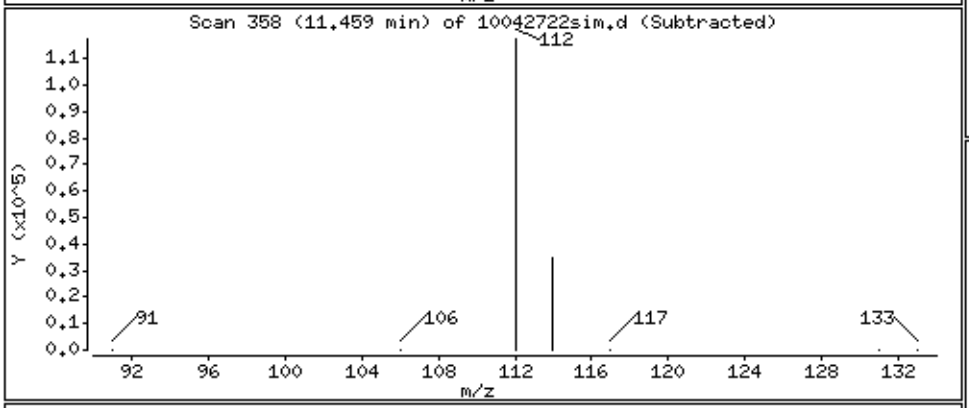
Column diameter: 0.25

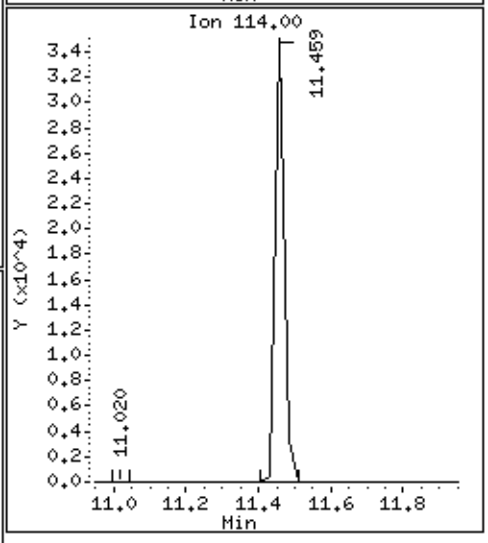
32 Chlorobenzene

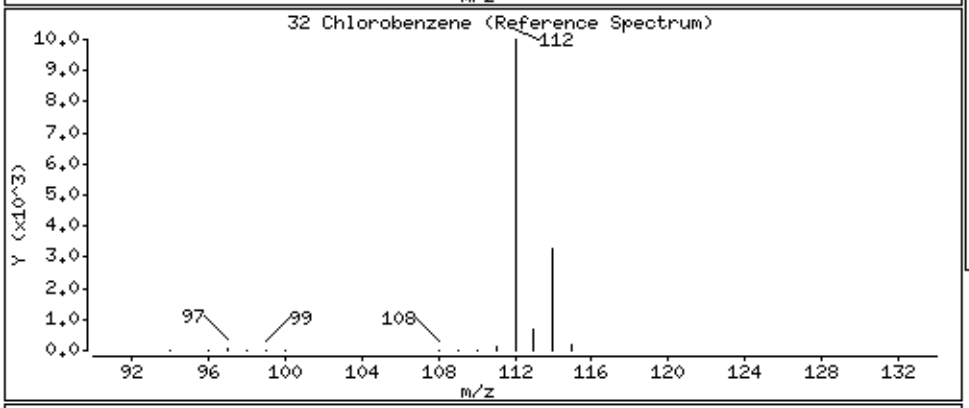
Concentration: 8.44831 ug

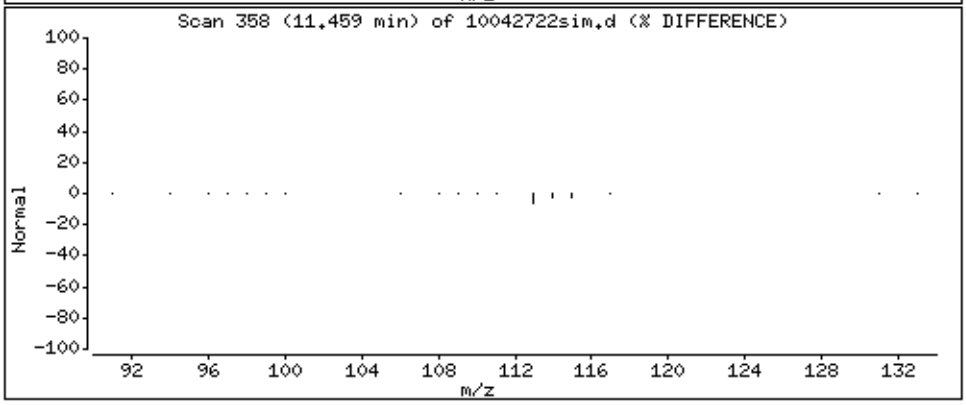












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

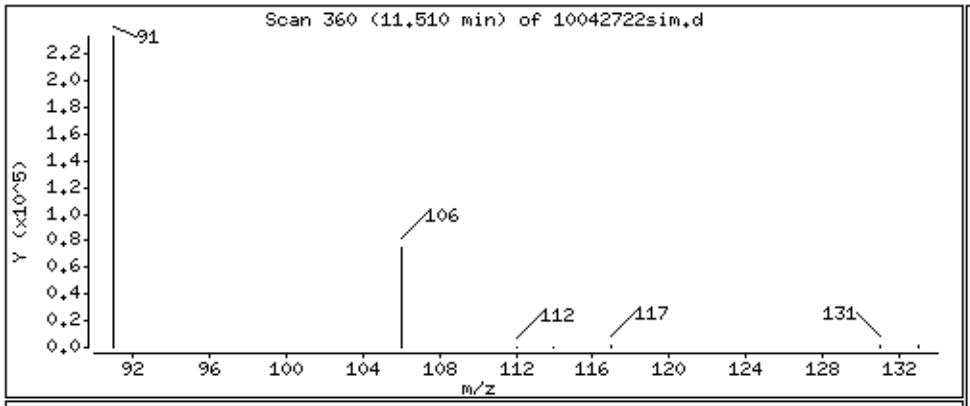
Operator: gm

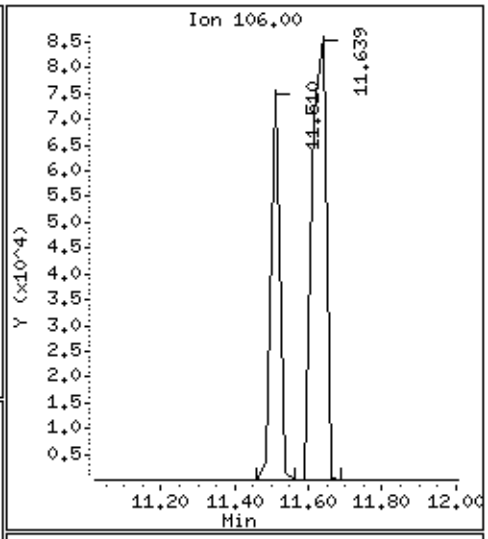
Column phase: DB-5.625

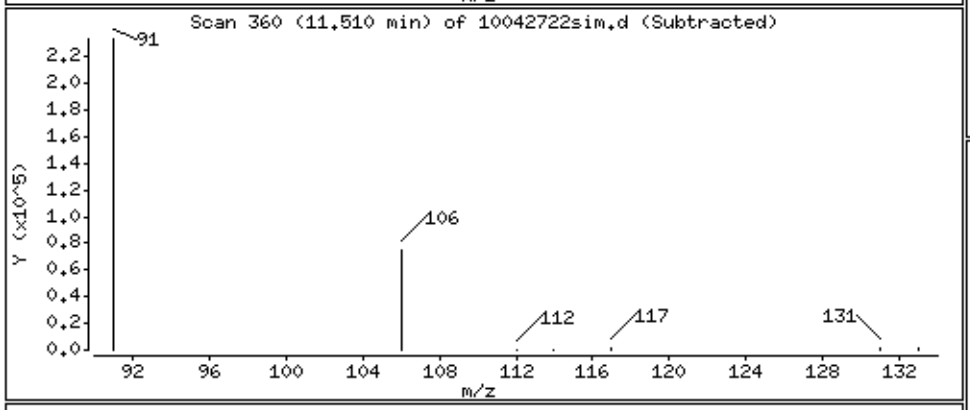
Column diameter: 0.25

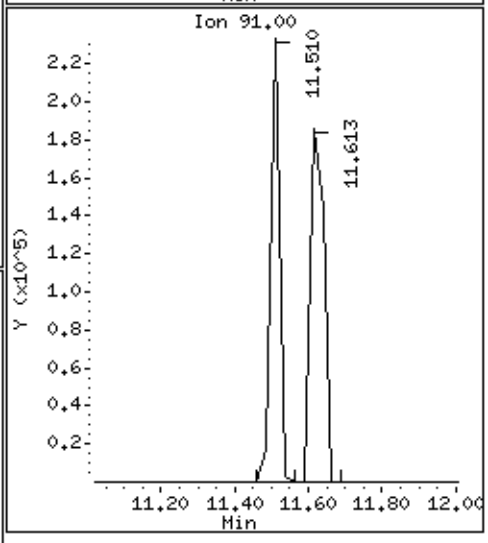
33 Ethylbenzene-CCC

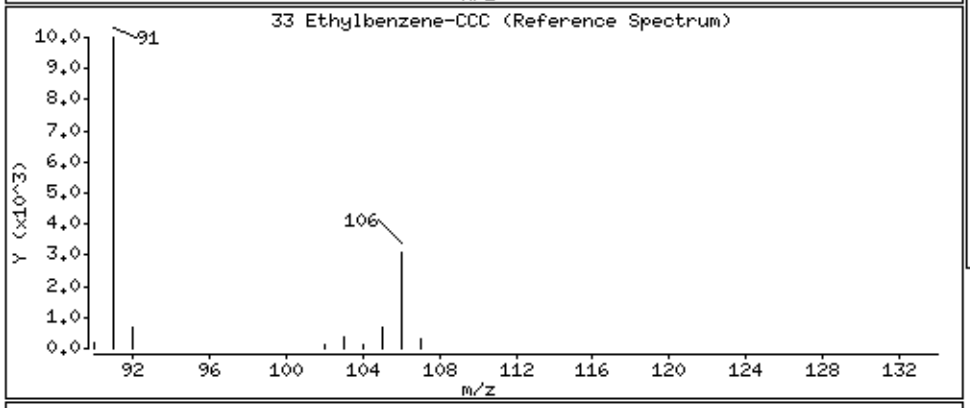
Concentration: 9.82448 ug

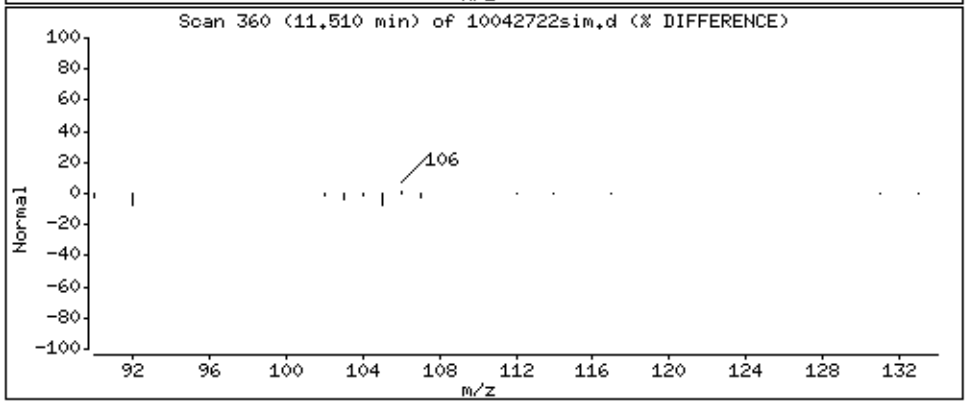












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

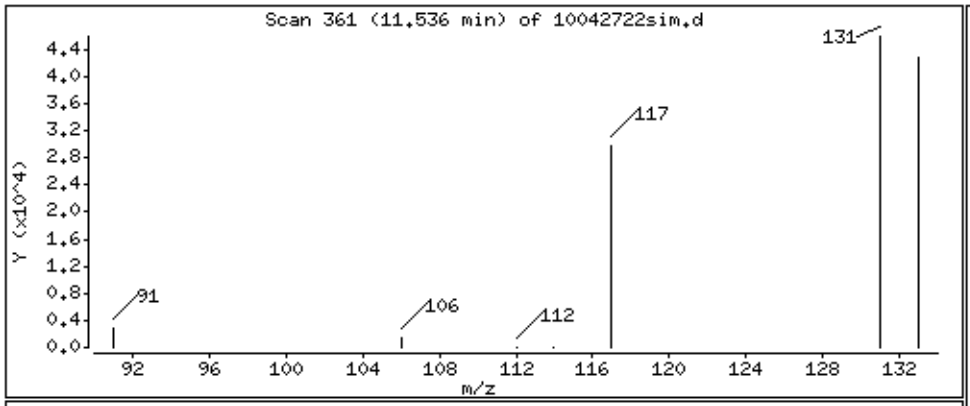
Operator: gm

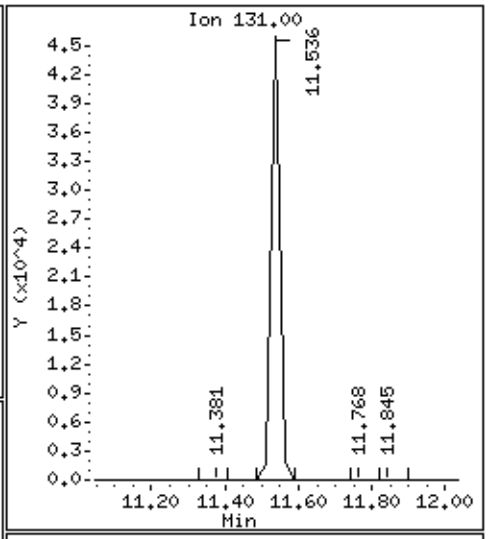
Column phase: DB-5.625

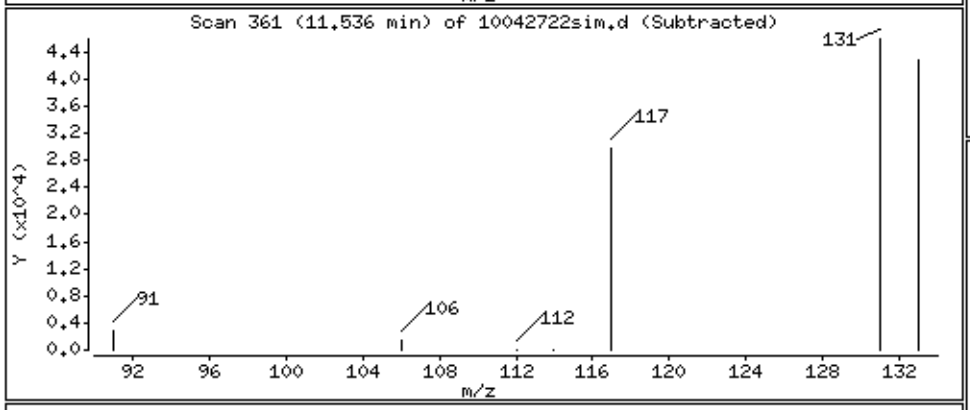
Column diameter: 0.25

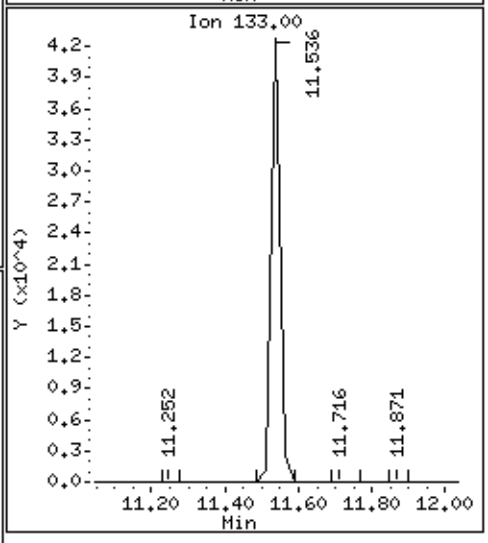
209 1,1,1,2-Tetrachloroethane

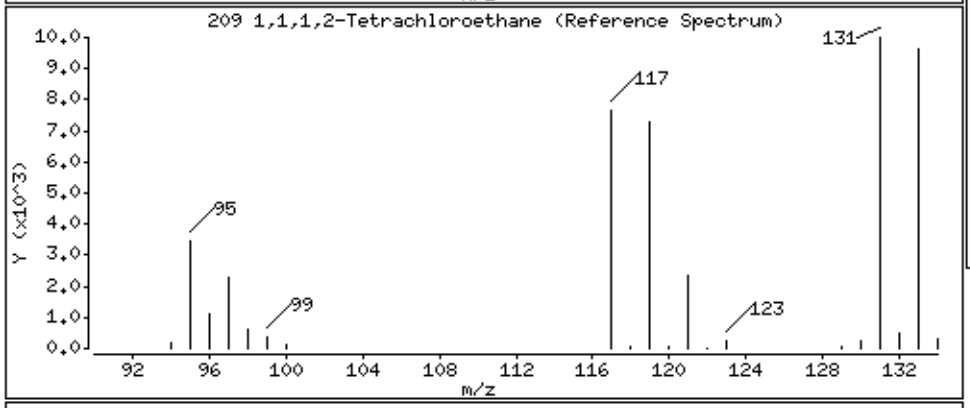
Concentration: 9.62868 ug

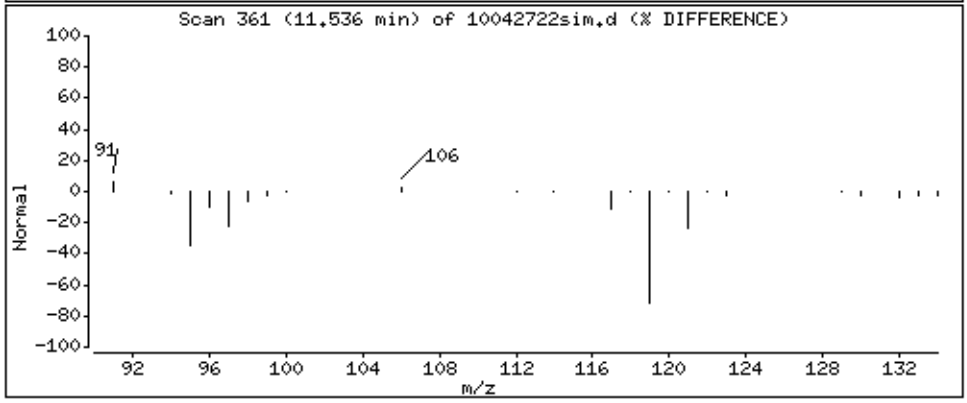












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

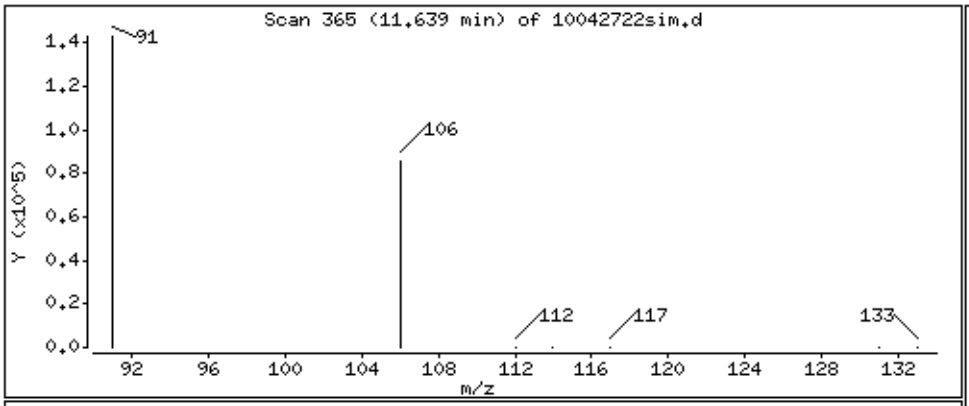
Operator: gm

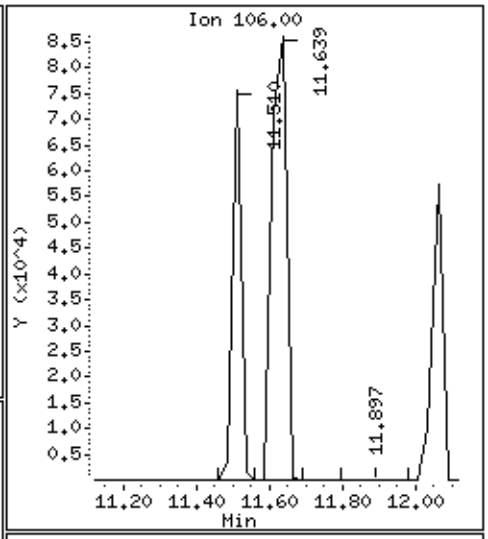
Column phase: DB-5.625

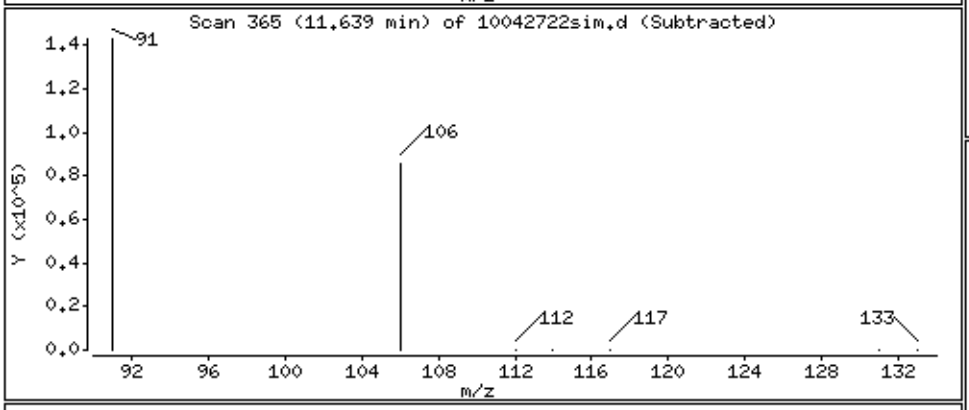
Column diameter: 0.25

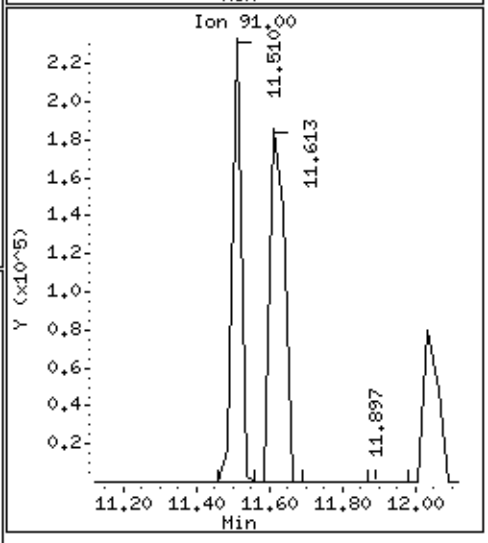
34 m,p-Xylene

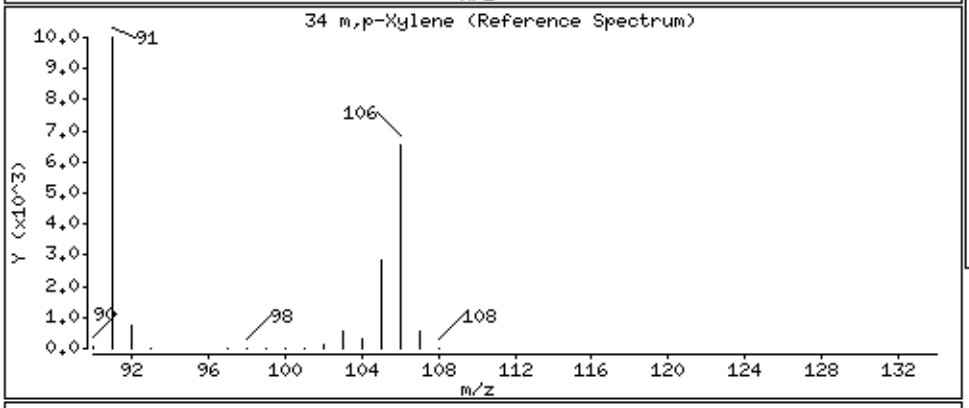
Concentration: 18.4410 ug

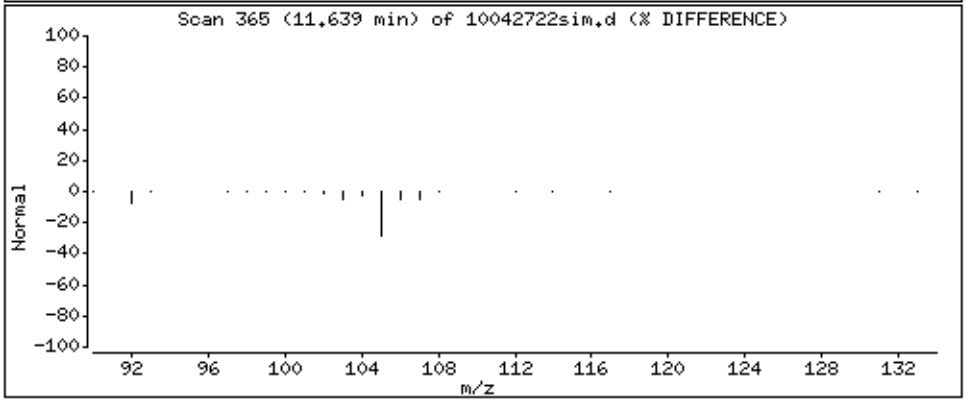












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

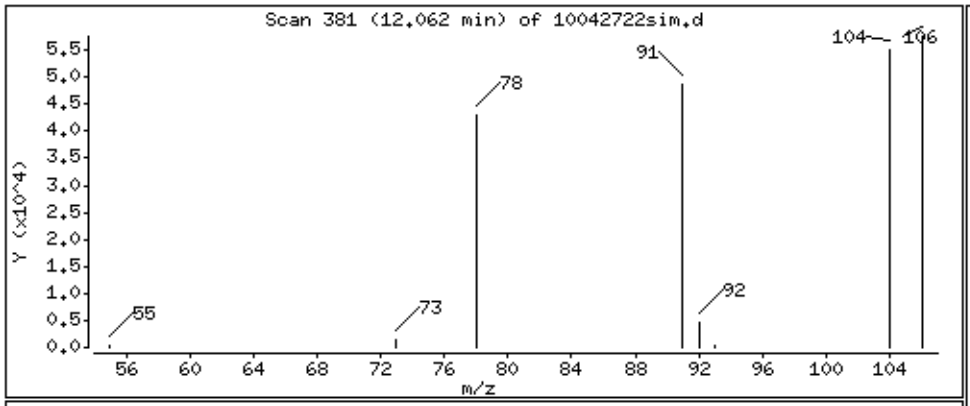
Operator: gm

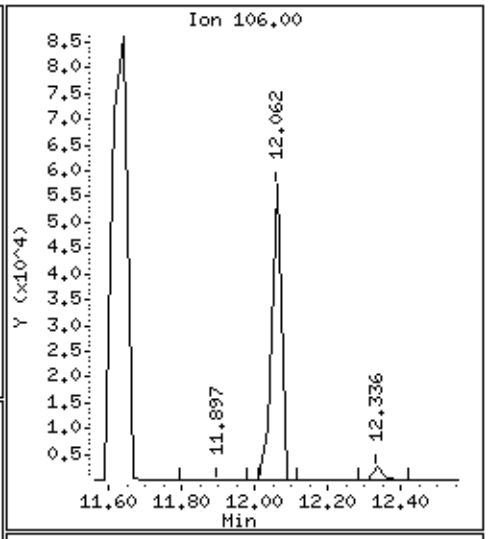
Column phase: DB-5.625

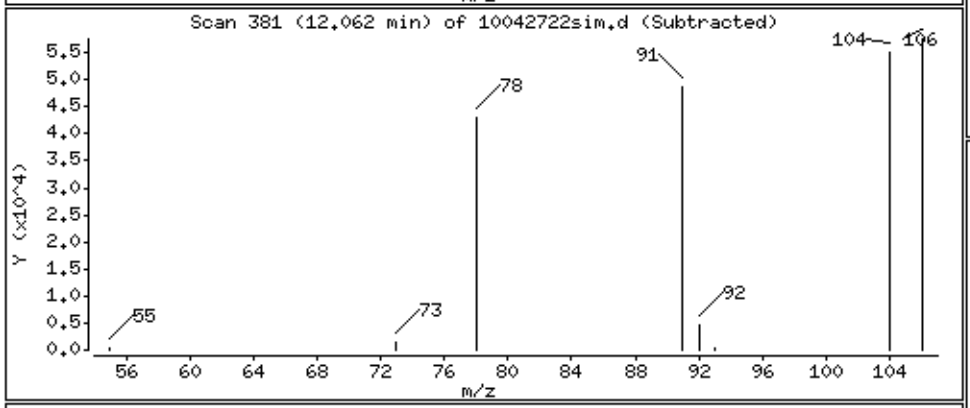
Column diameter: 0.25

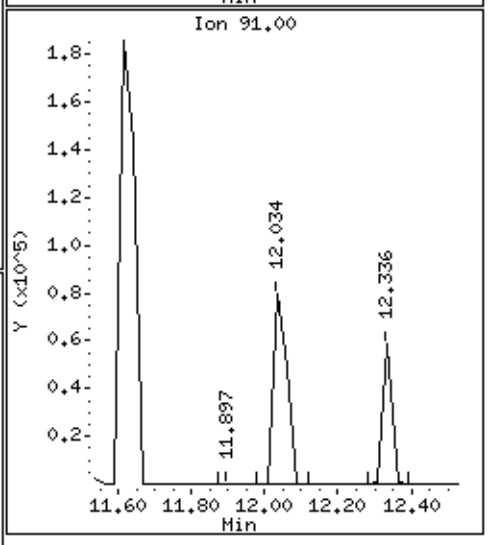
36 o-Xylene

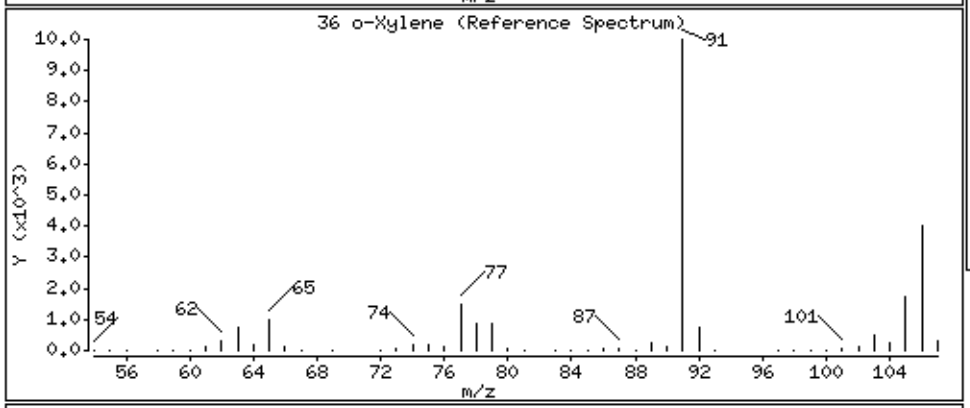
Concentration: 8.62050 ug

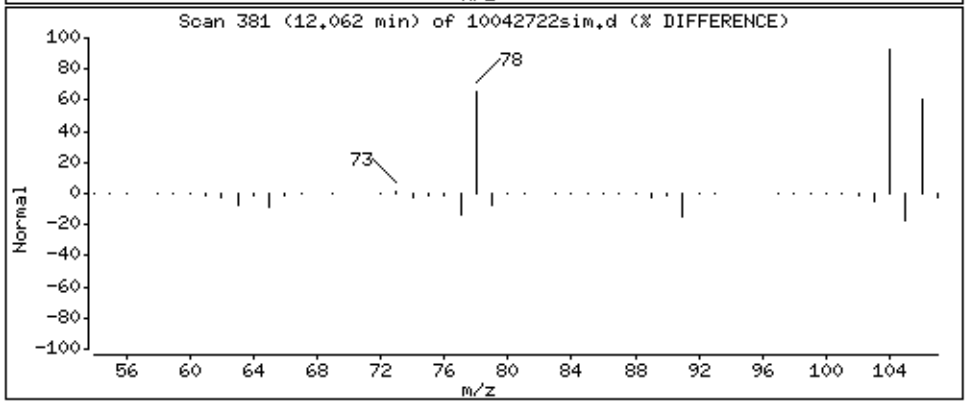












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

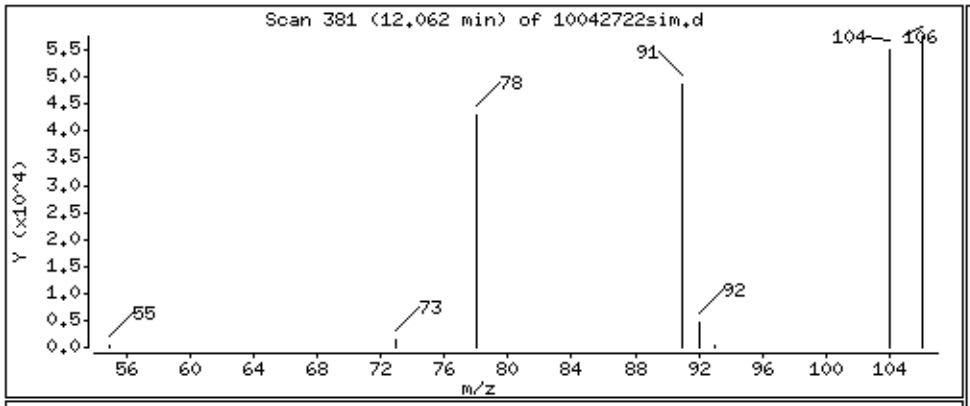
Operator: gm

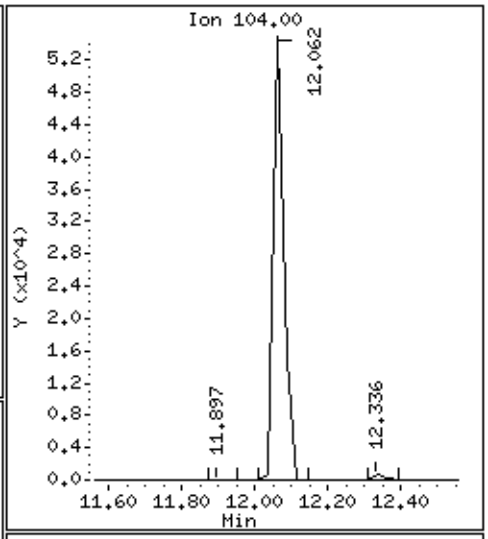
Column phase: DB-5.625

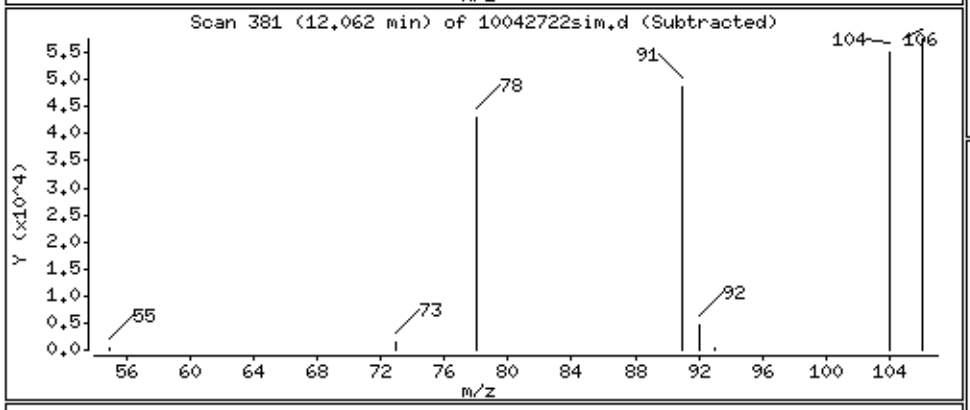
Column diameter: 0.25

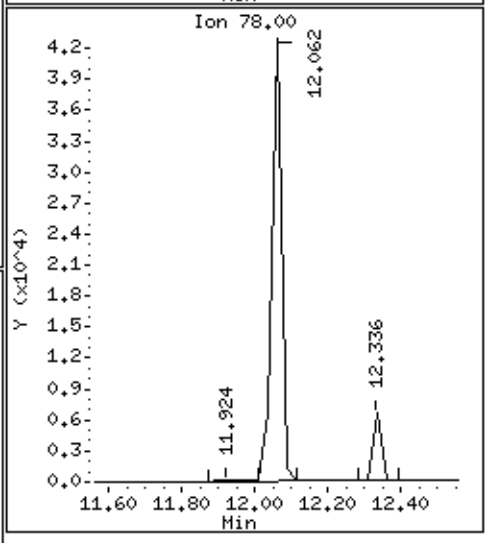
37 Styrene

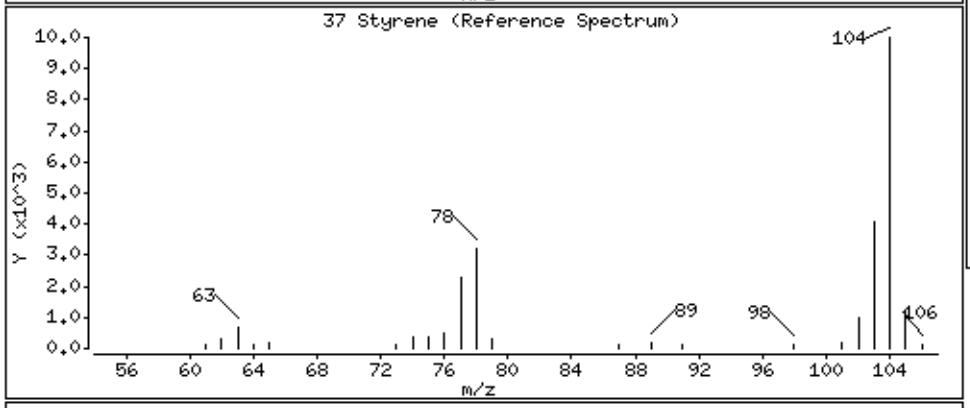
Concentration: 5.39151 ug

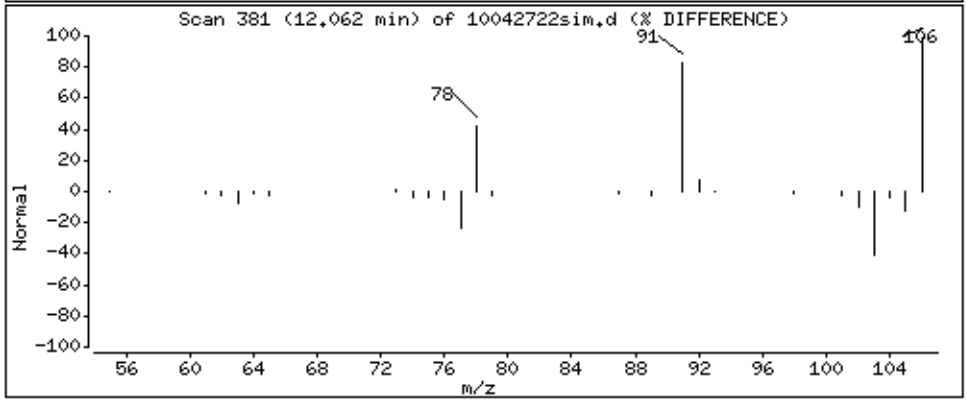












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

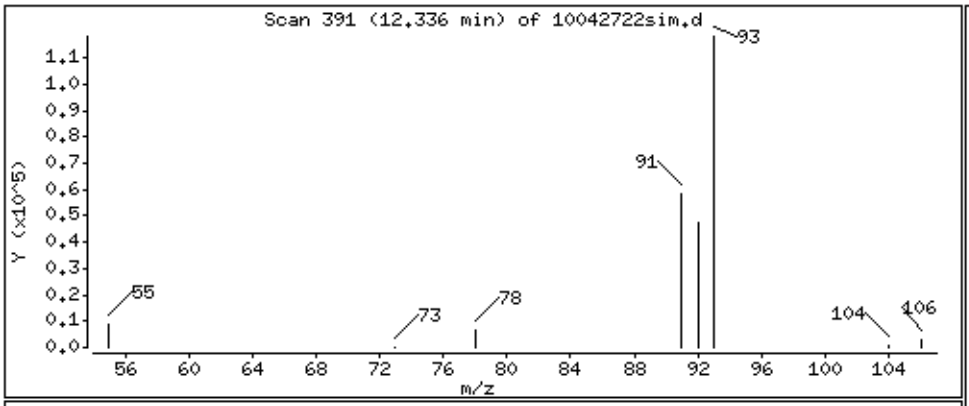
Operator: gm

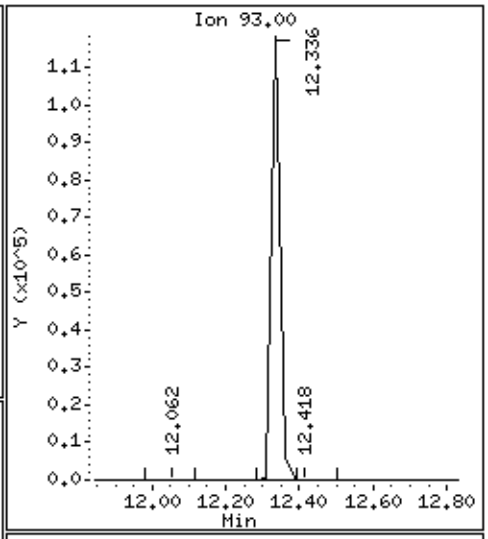
Column phase: DB-5.625

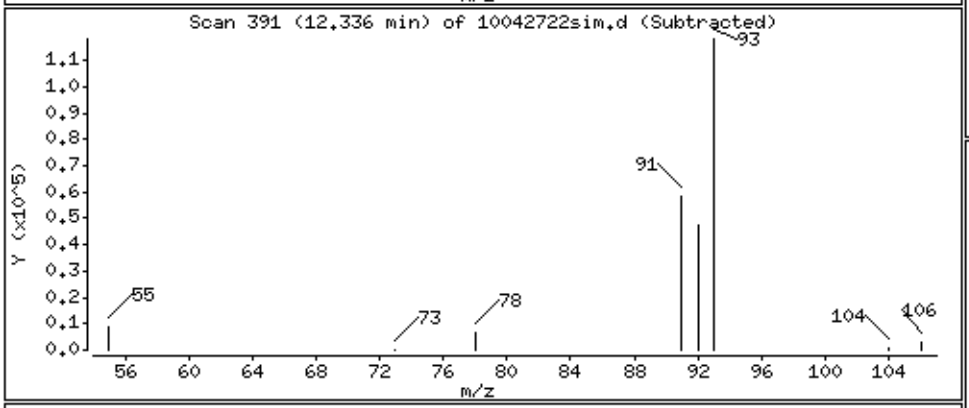
Column diameter: 0.25

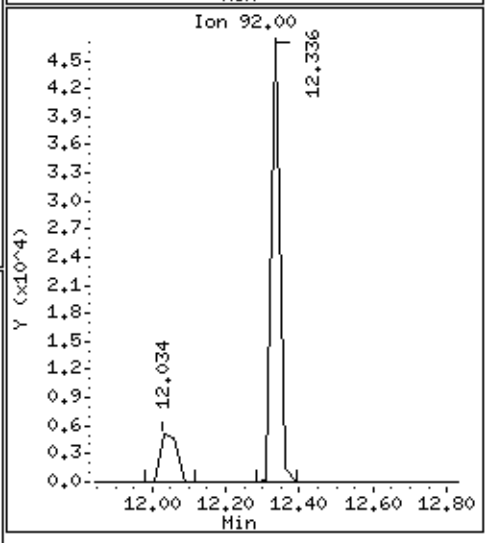
38 a-Pinene

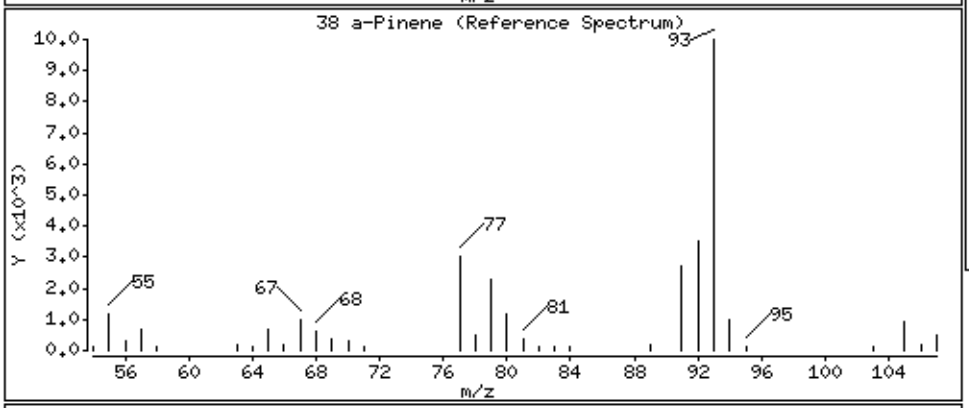
Concentration: 11.4706 ug

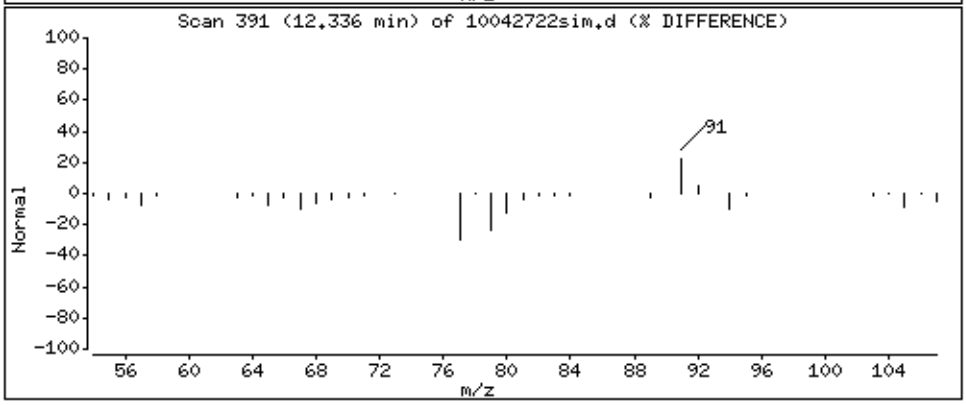












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

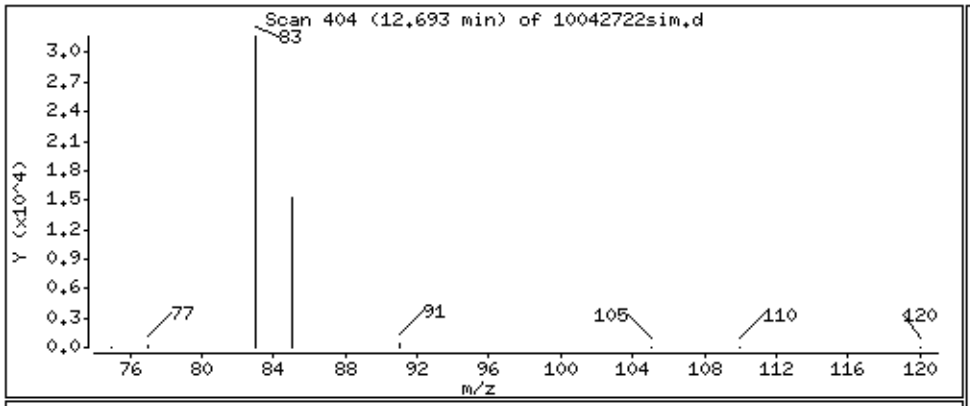
Operator: gm

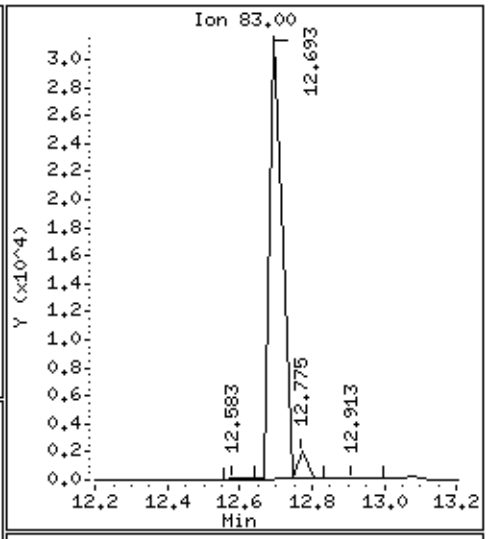
Column phase: DB-5.625

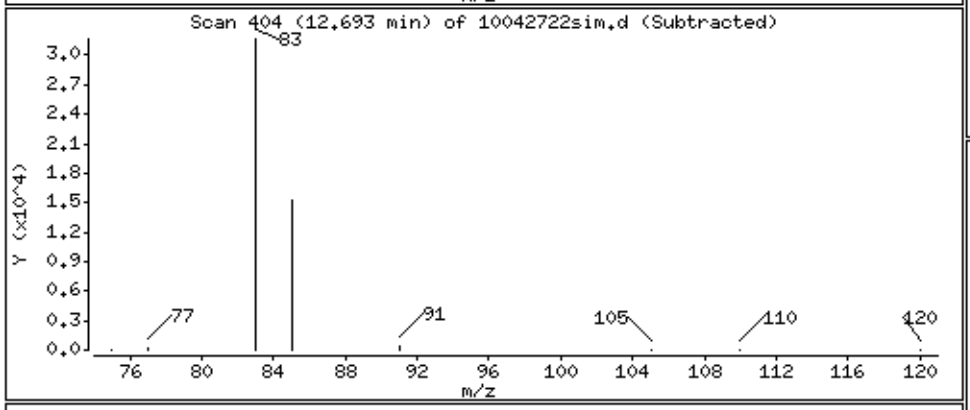
Column diameter: 0.25

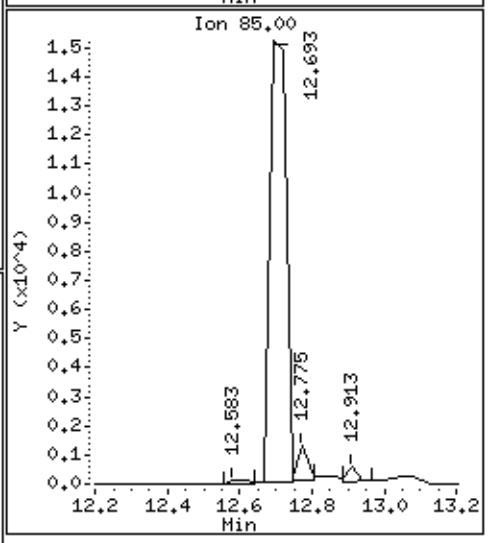
39 1,1,2,2-Tetrachloroethane-SPC

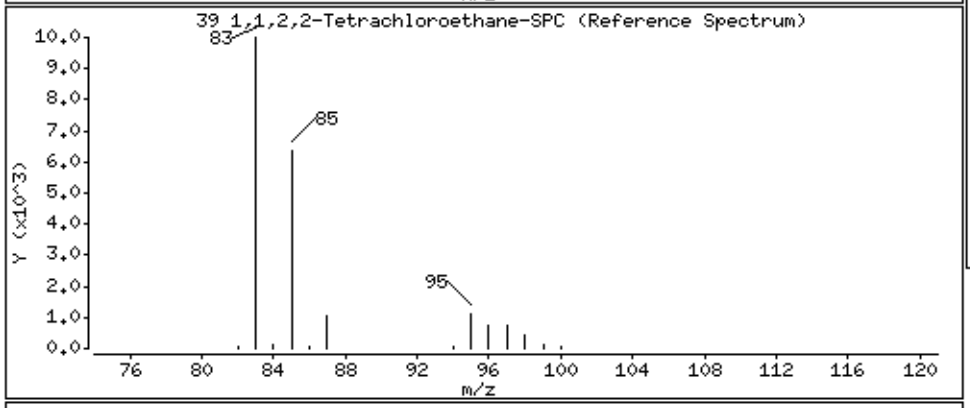
Concentration: 8.37351 ug

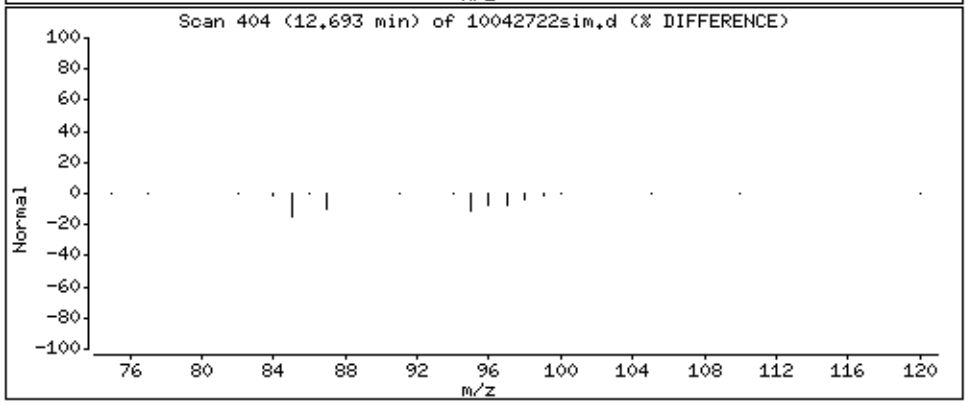












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

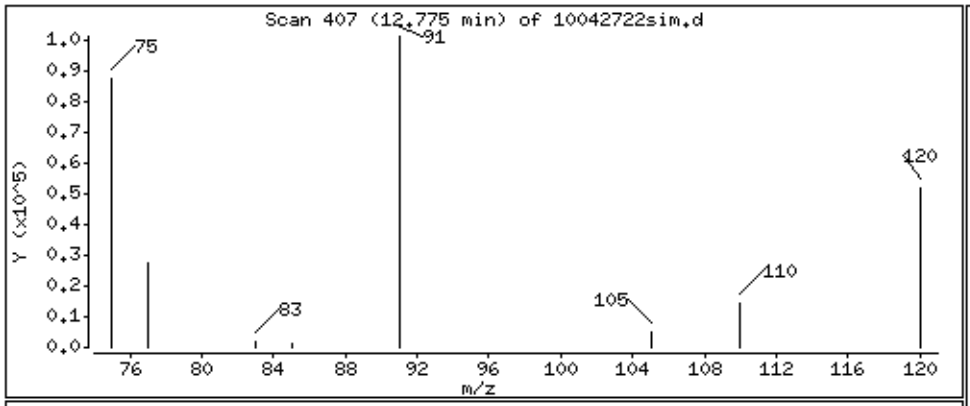
Operator: gm

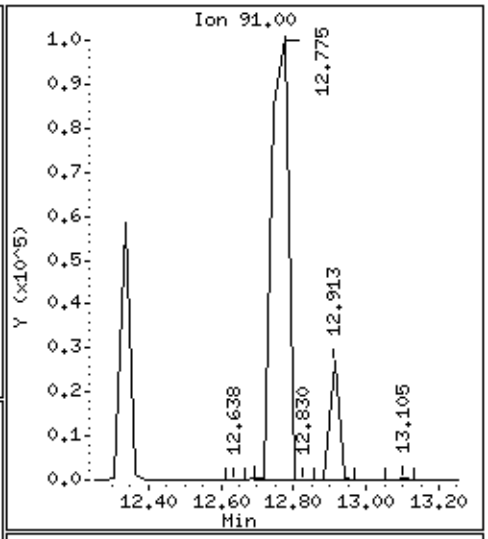
Column phase: DB-5.625

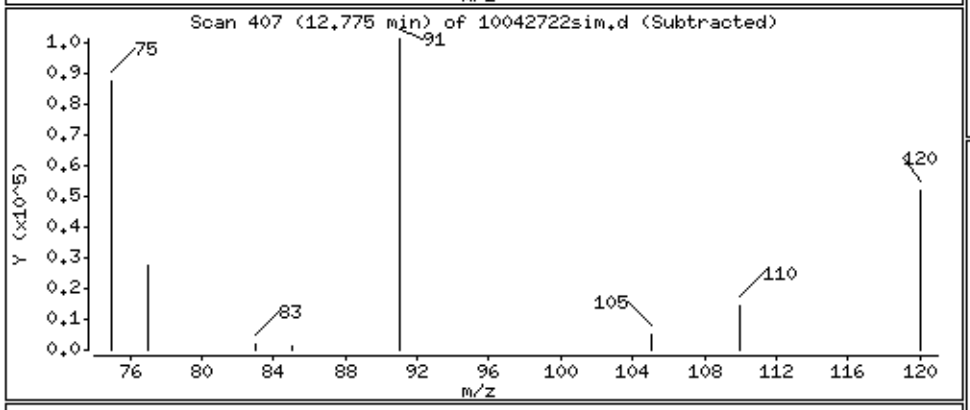
Column diameter: 0.25

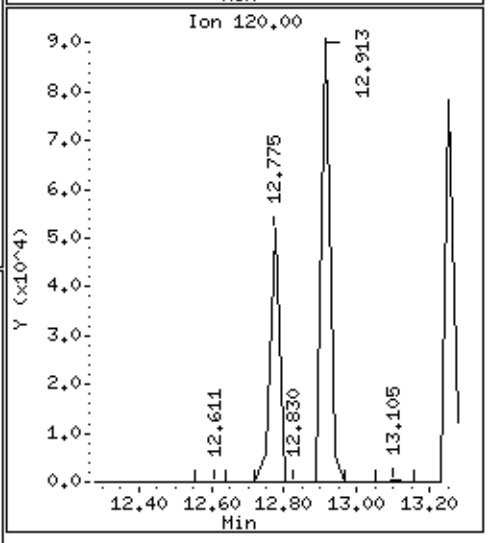
40 Propylbenzene

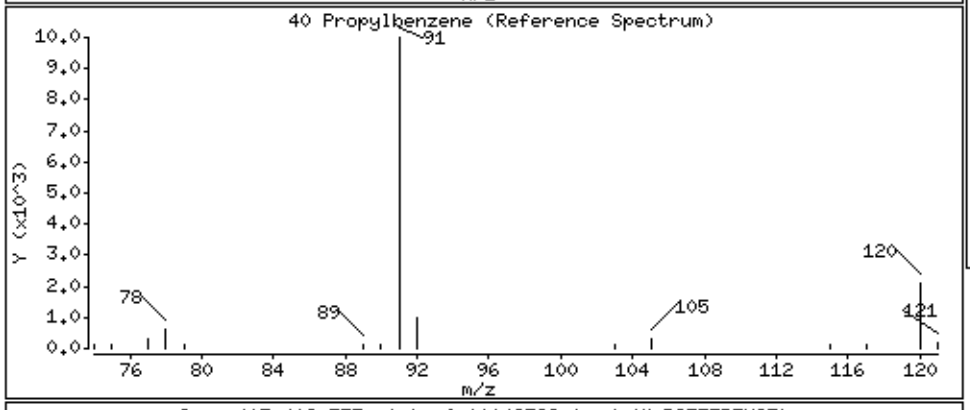
Concentration: 9.02976 ug

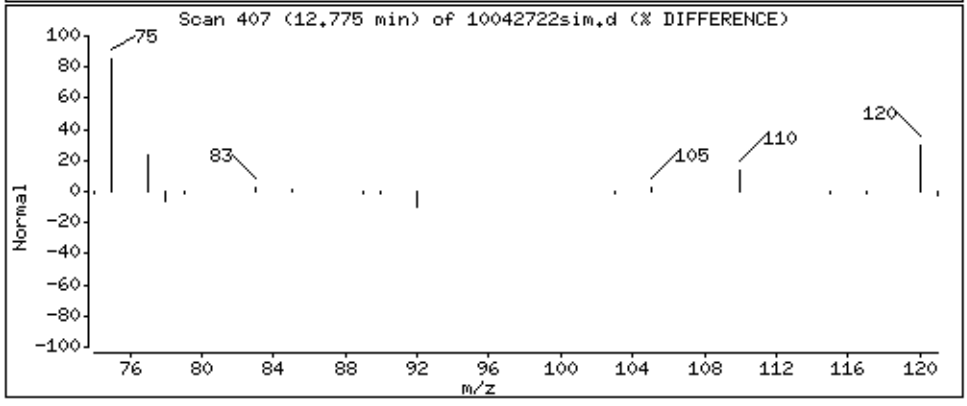












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

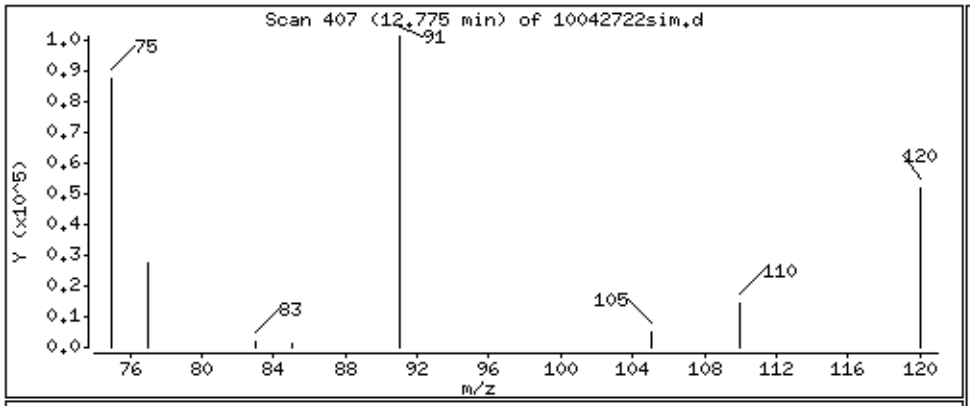
Operator: gm

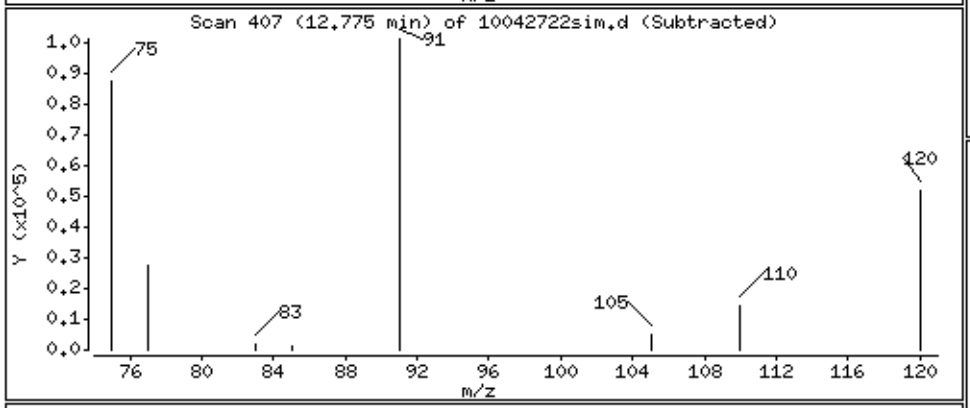
Column phase: DB-5.625

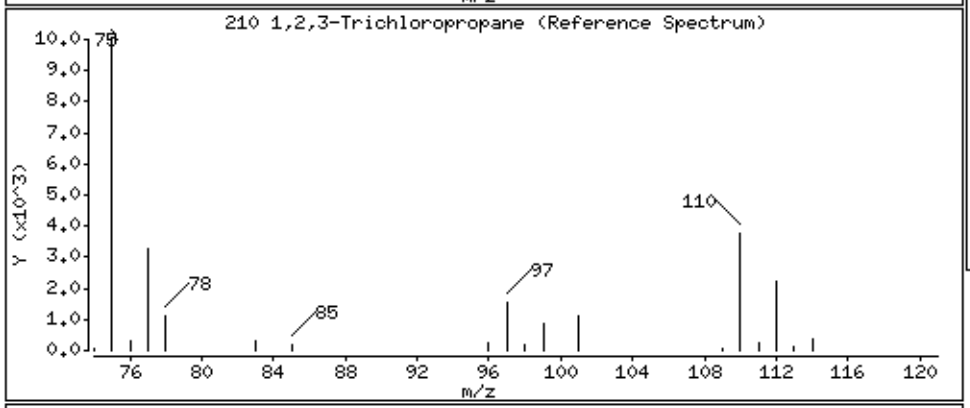
Column diameter: 0.25

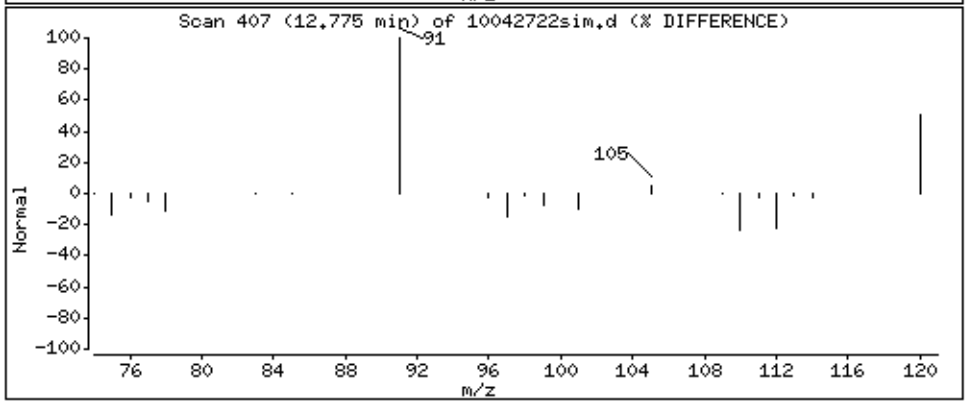
210 1,2,3-Trichloropropane

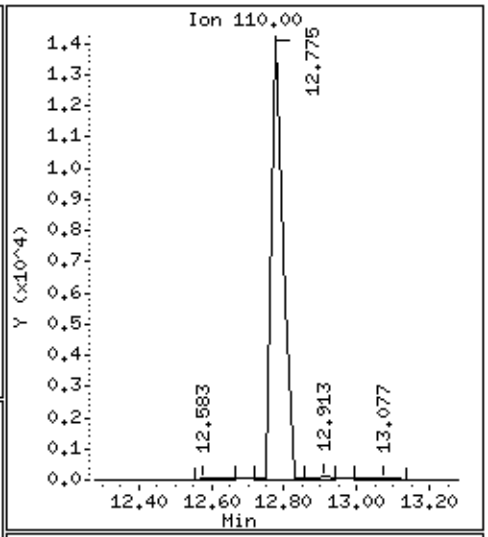
Concentration: 8.58096 ug

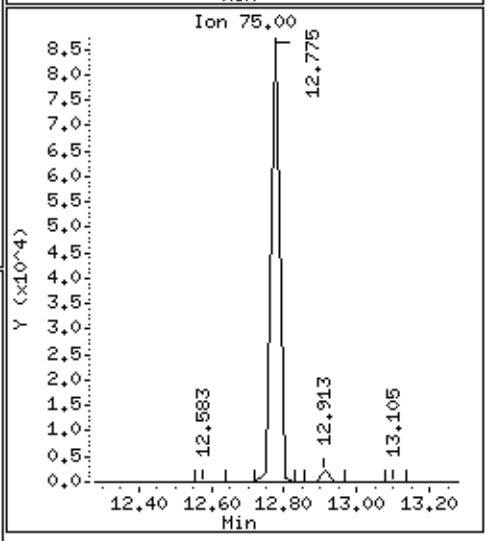












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

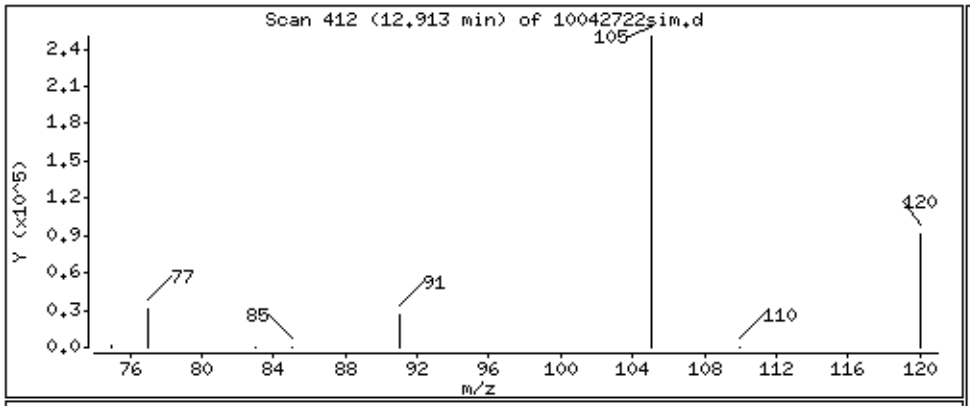
Operator: gm

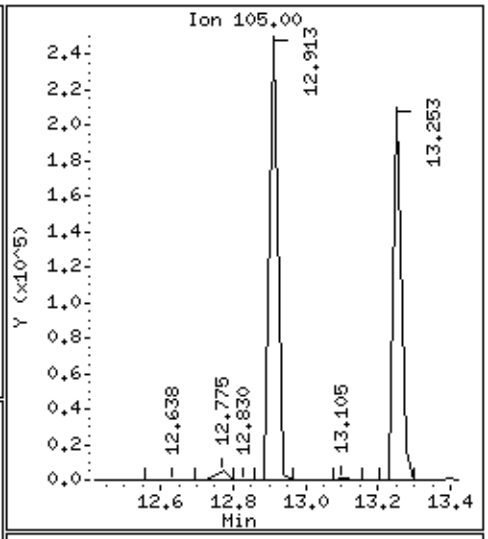
Column phase: DB-5.625

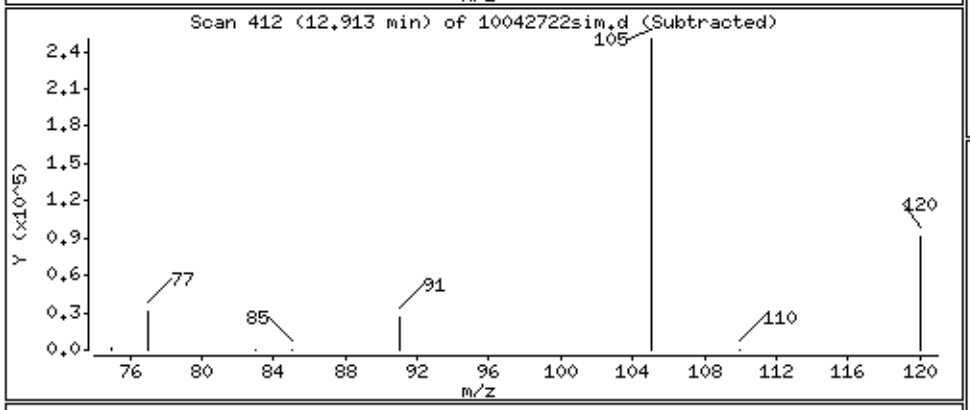
Column diameter: 0.25

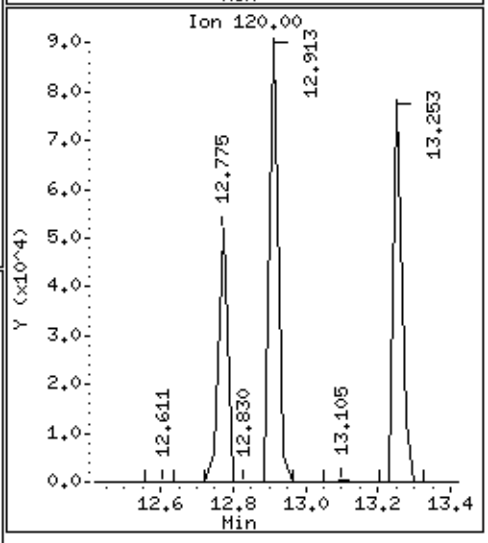
41 1,3,5-Trimethylbenzene

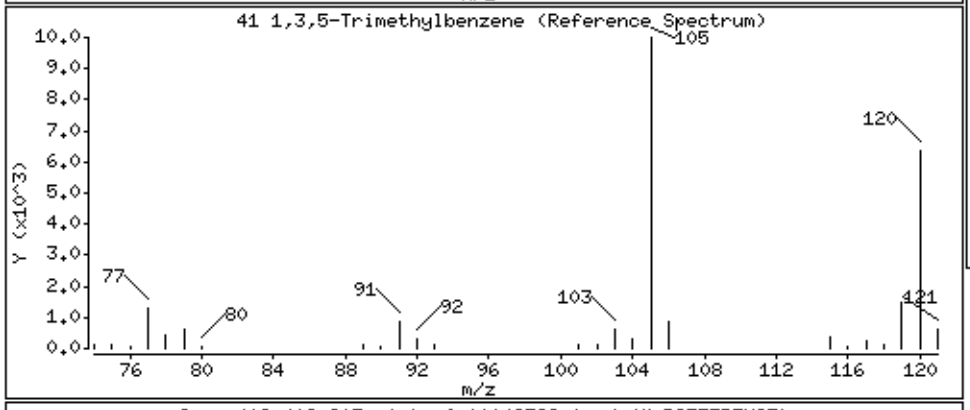
Concentration: 9.99074 ug

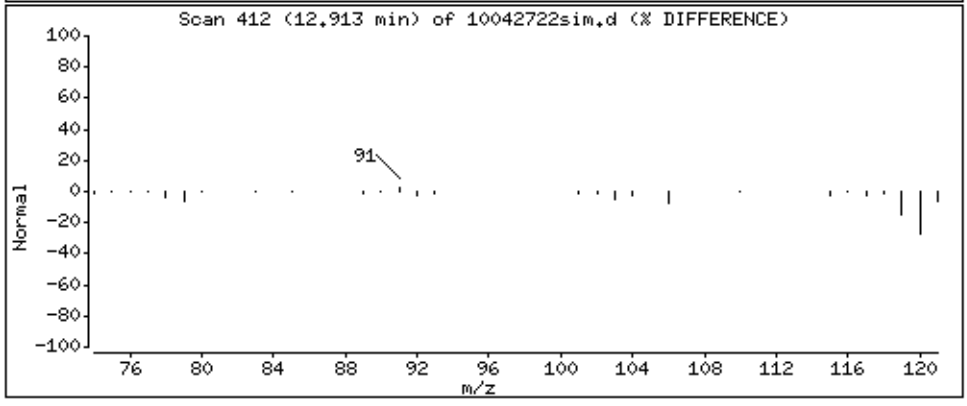












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

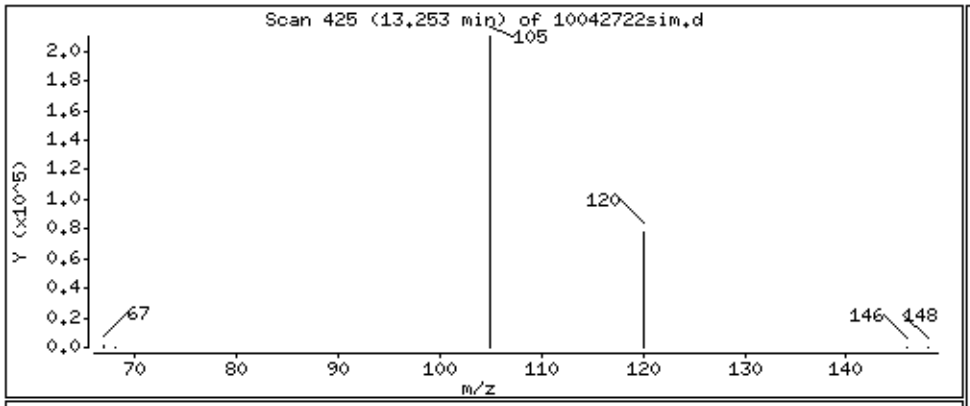
Operator: gm

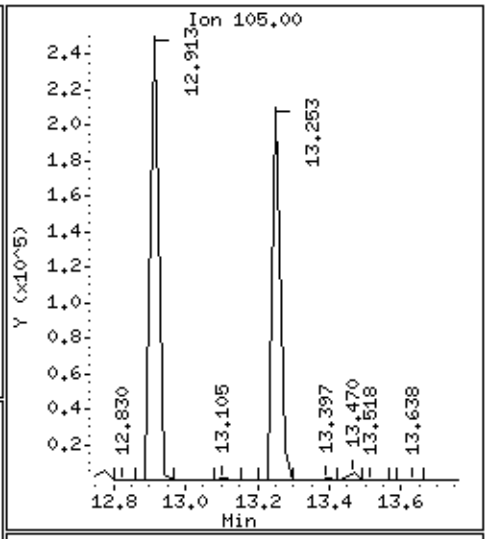
Column phase: DB-5.625

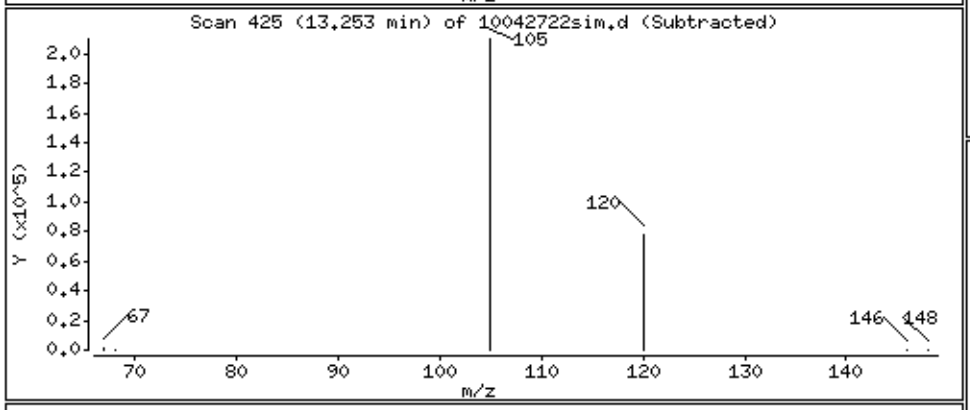
Column diameter: 0.25

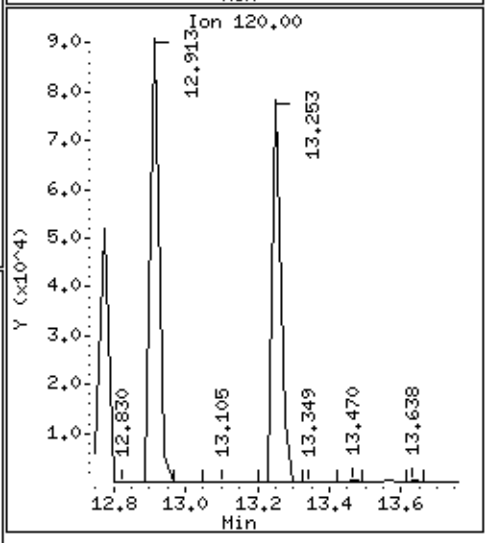
42 1,2,4-Trimethylbenzene

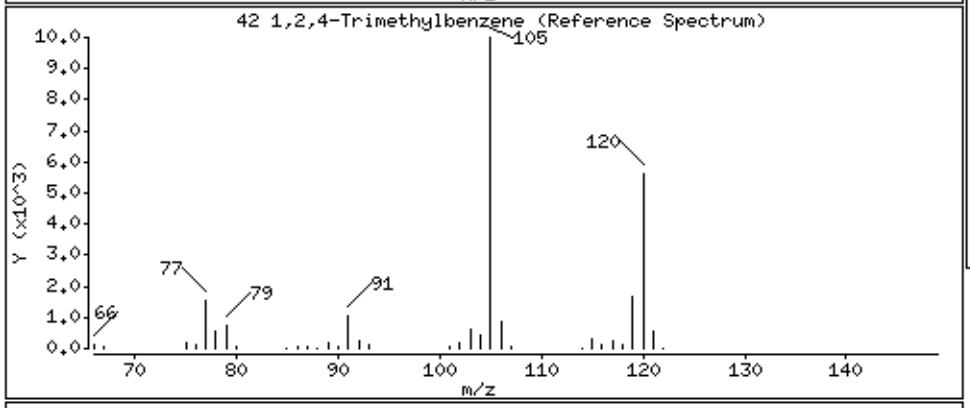
Concentration: 9.41148 ug

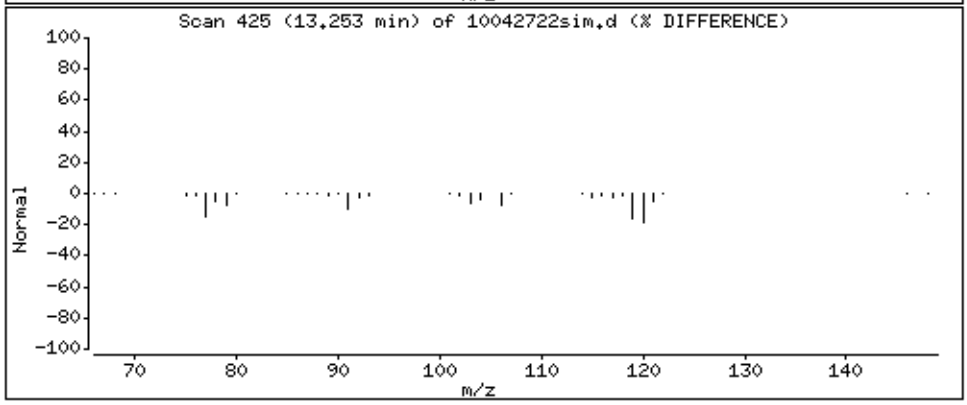












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

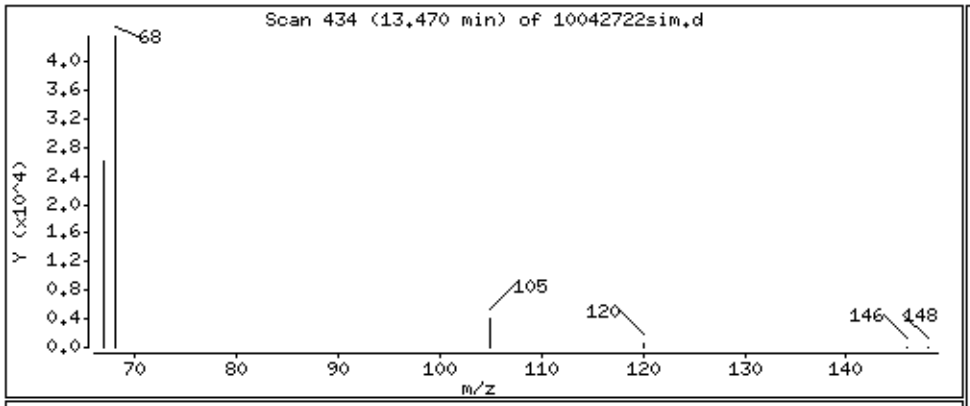
Operator: gm

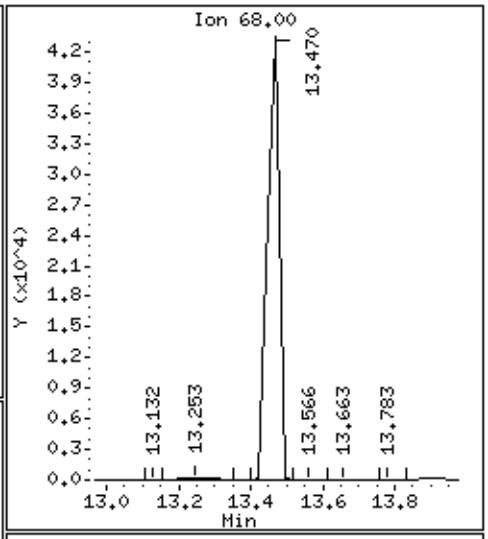
Column phase: DB-5.625

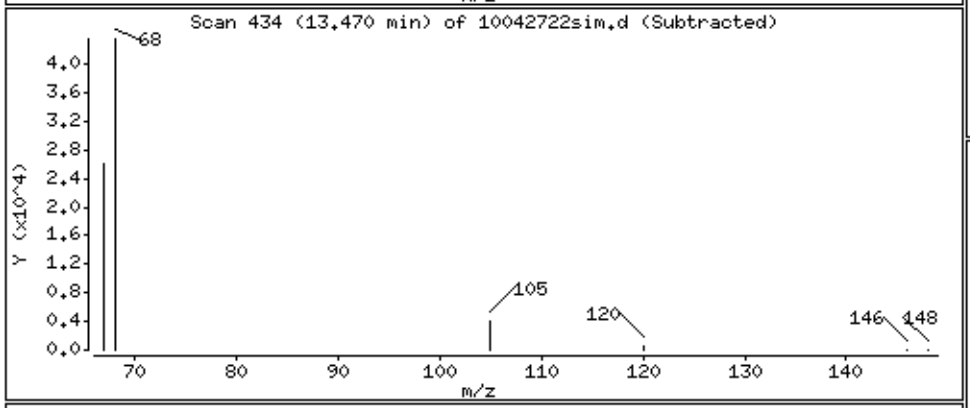
Column diameter: 0.25

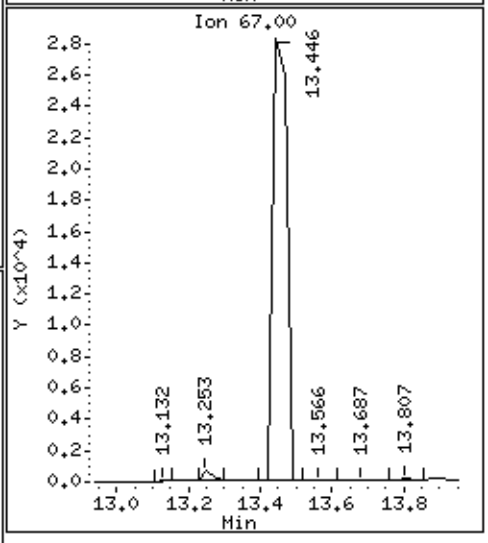
43 R-(+)-Limonene

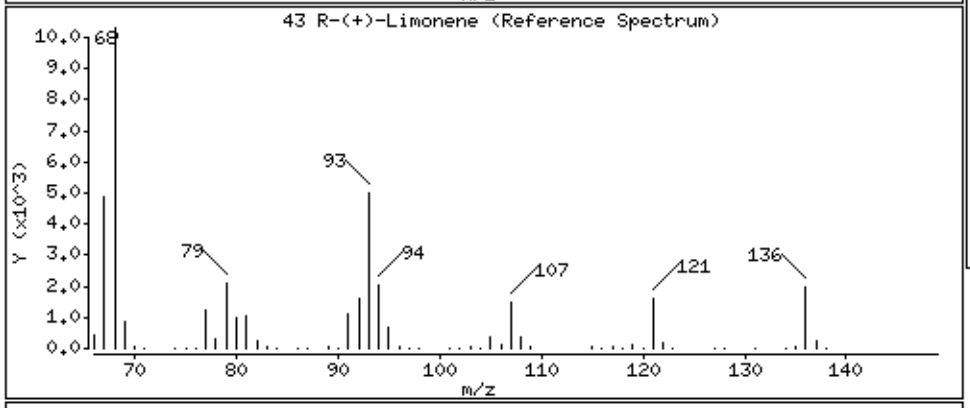
Concentration: 9.83110 ug

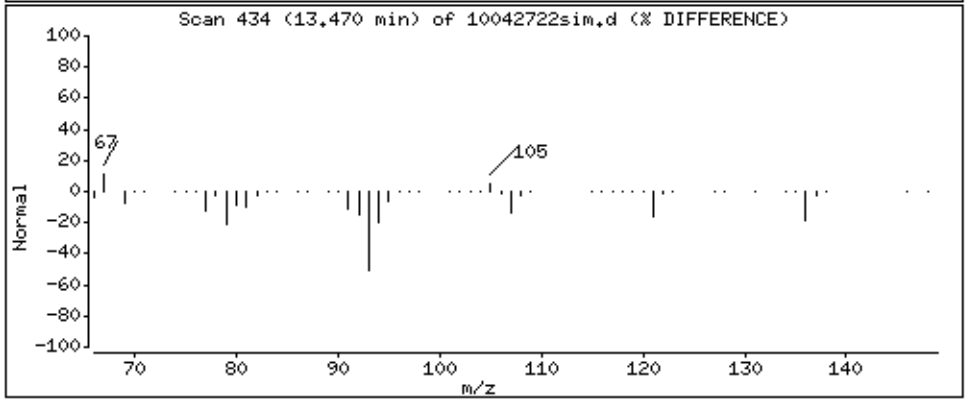












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

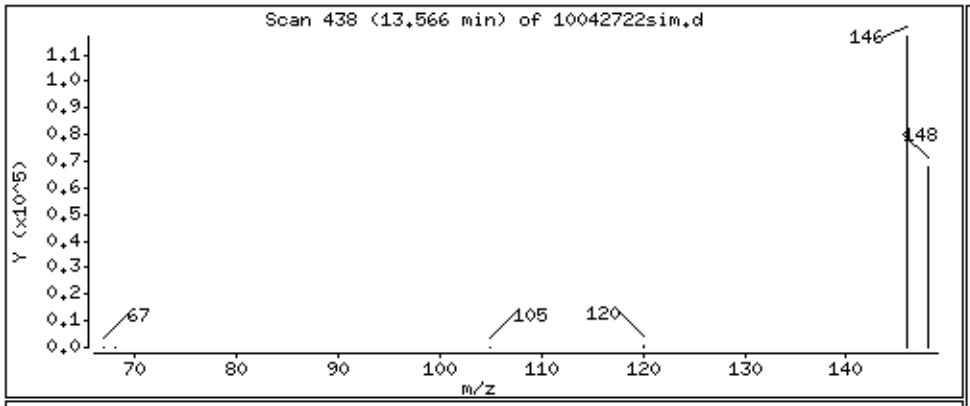
Operator: gm

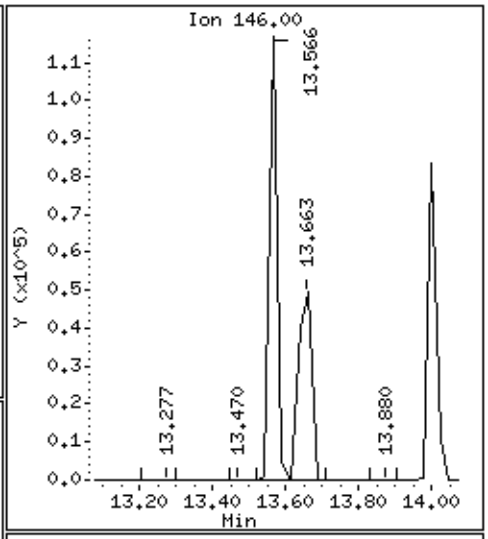
Column phase: DB-5.625

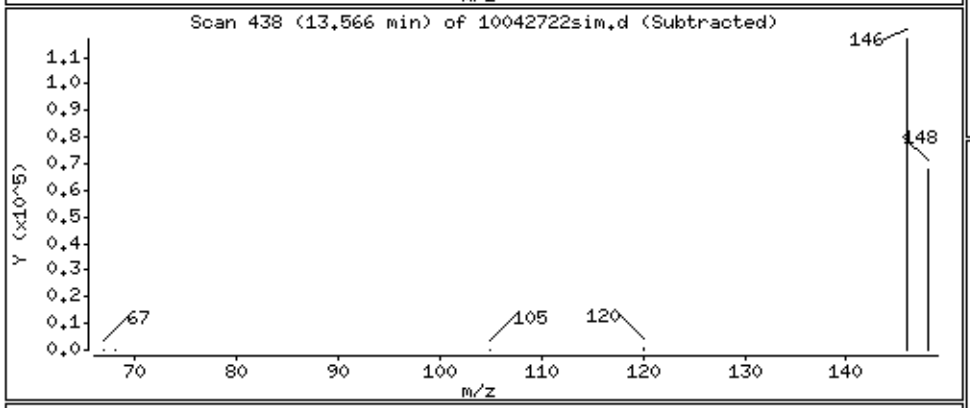
Column diameter: 0.25

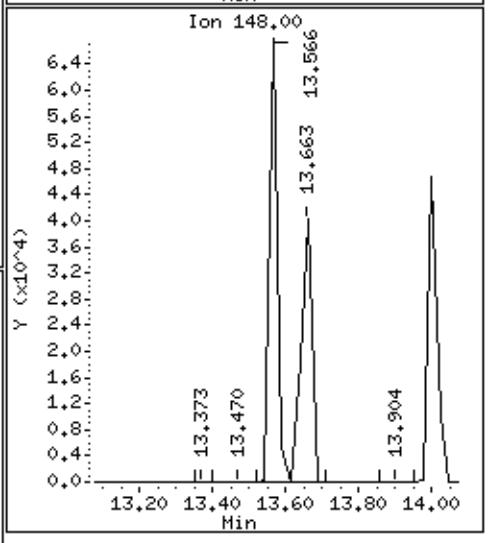
44 1,3-Dichlorobenzene

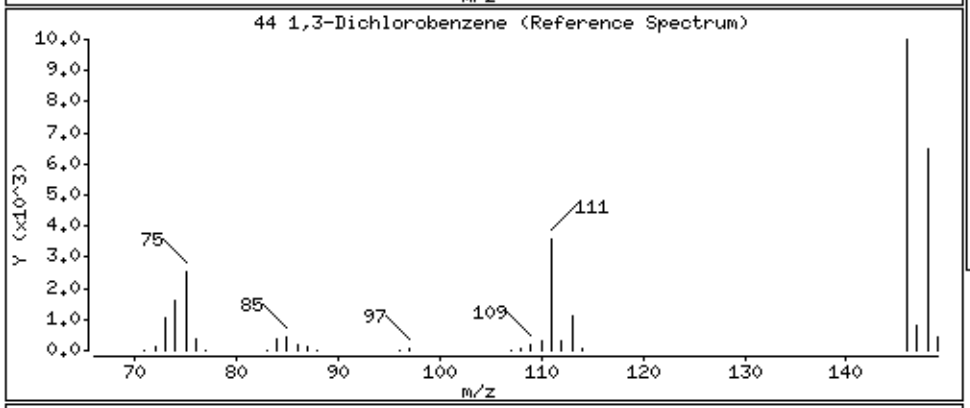
Concentration: 7.95040 ug

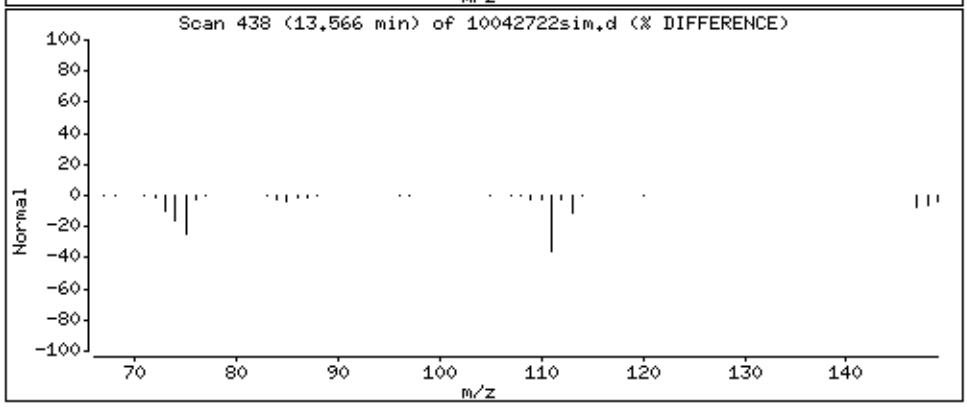












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

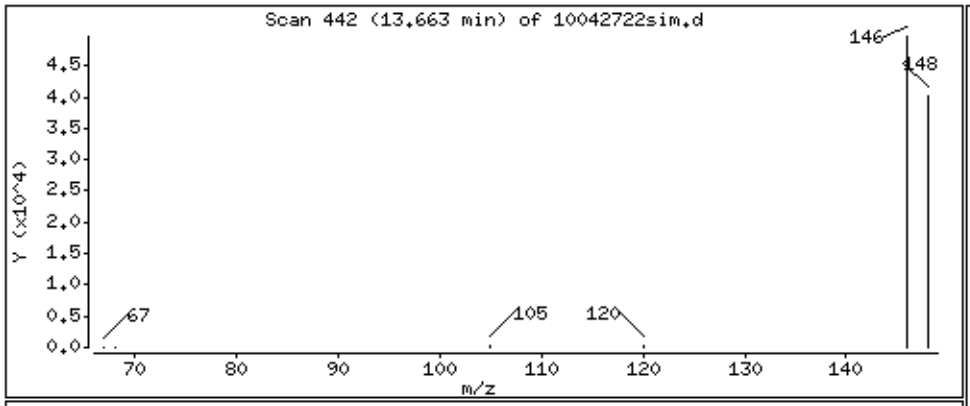
Operator: gm

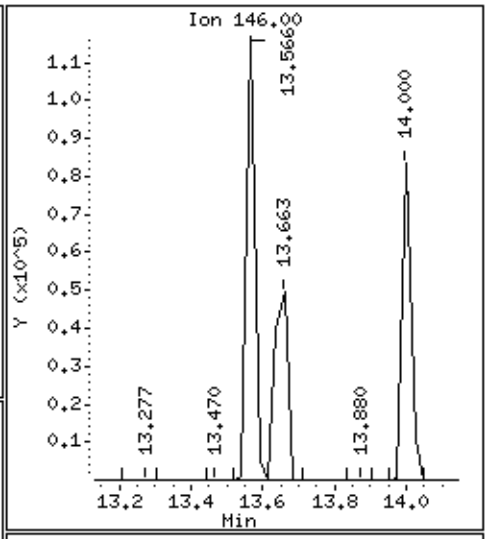
Column phase: DB-5.625

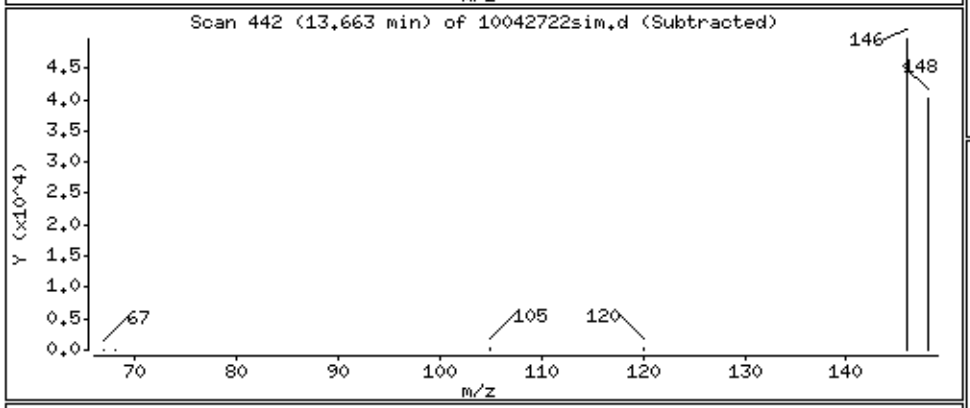
Column diameter: 0.25

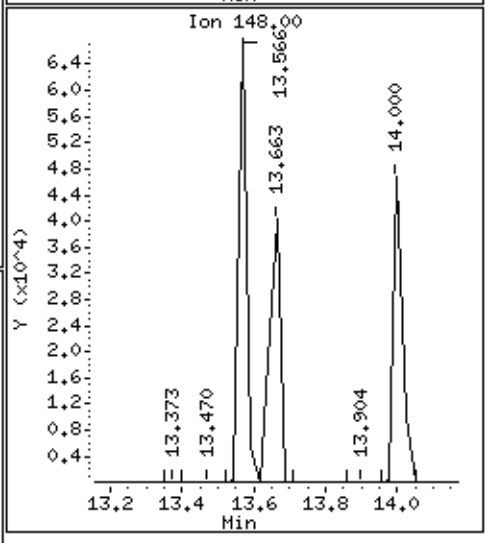
45 1,4-Dichlorobenzene

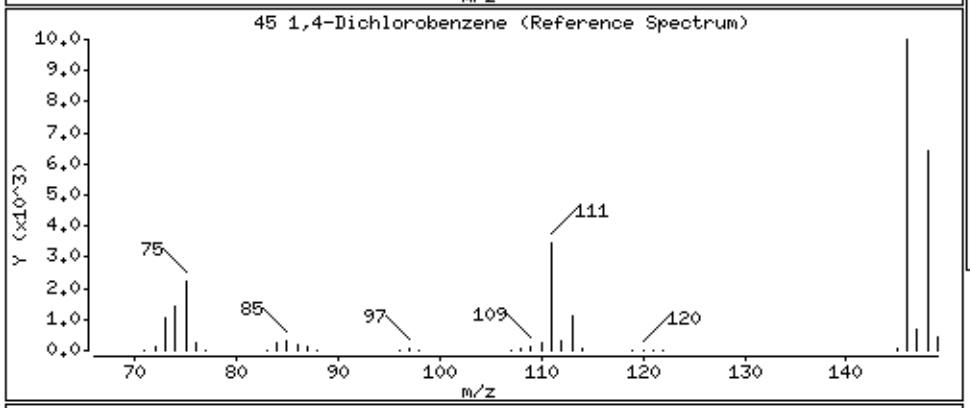
Concentration: 7.54206 ug

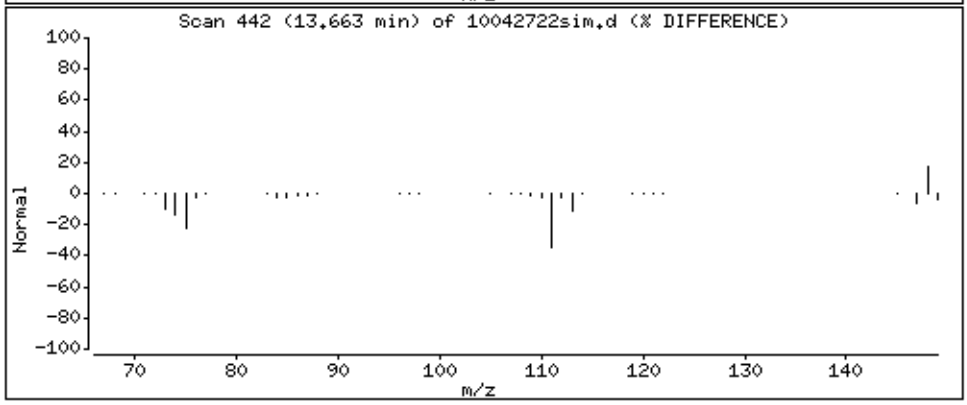












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

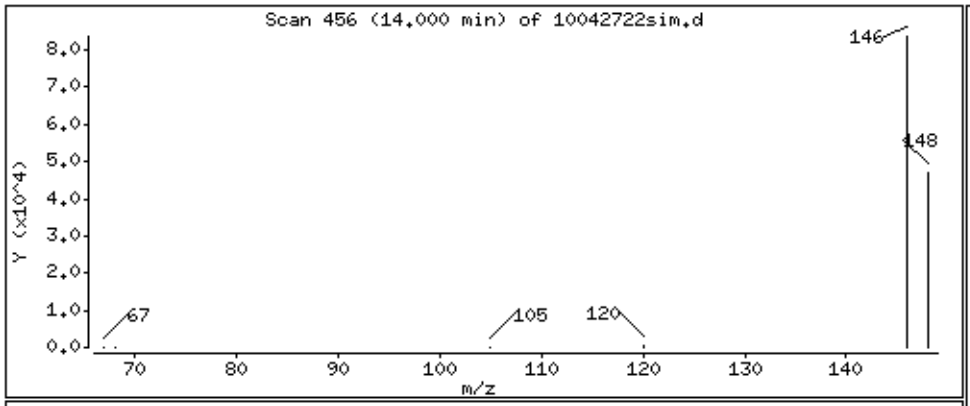
Operator: gm

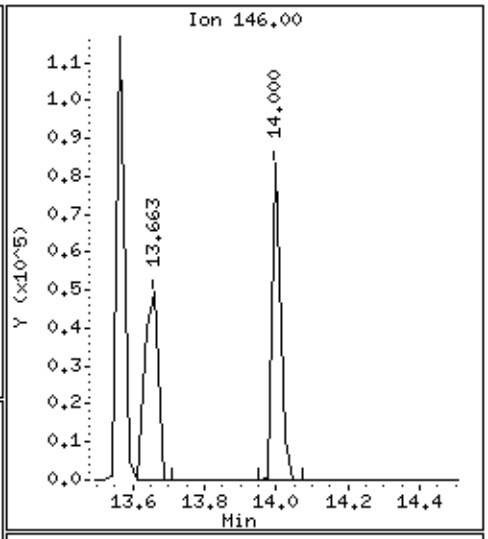
Column phase: DB-5.625

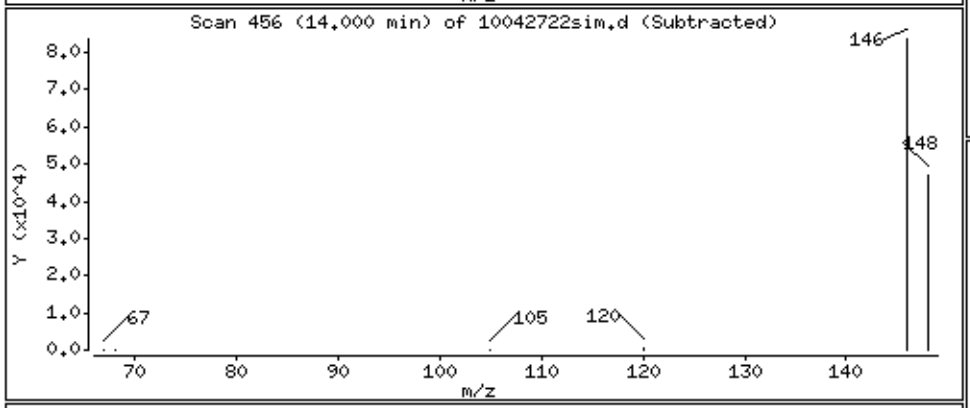
Column diameter: 0.25

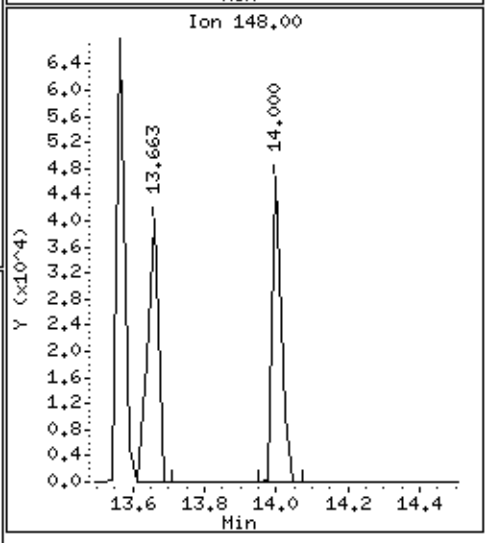
46 1,2-Dichlorobenzene

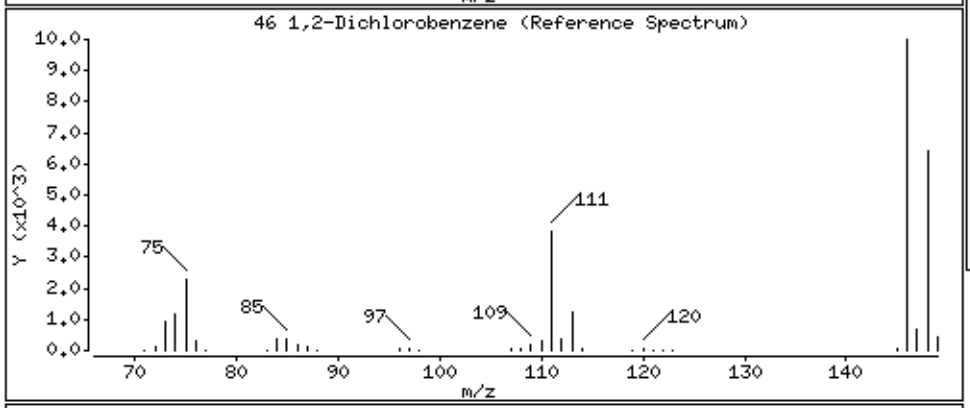
Concentration: 7.03991 ug

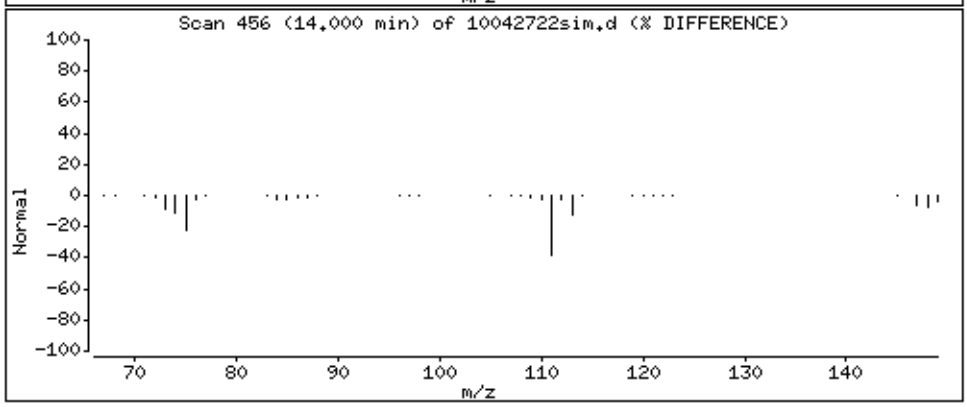












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

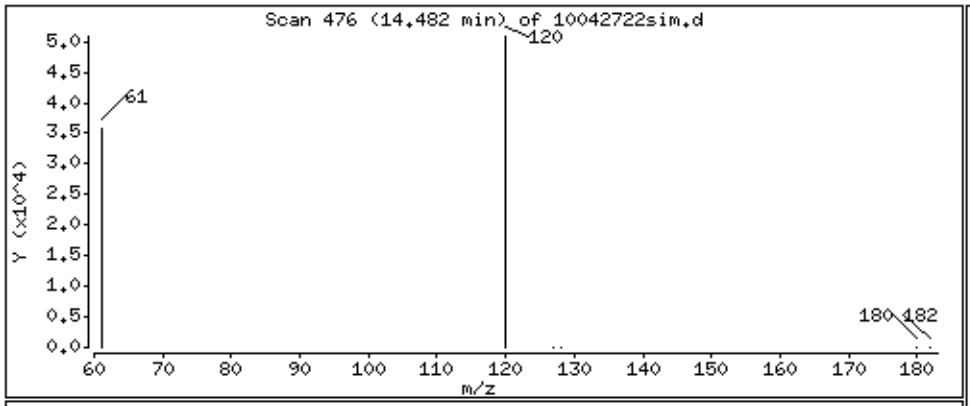
Operator: gm

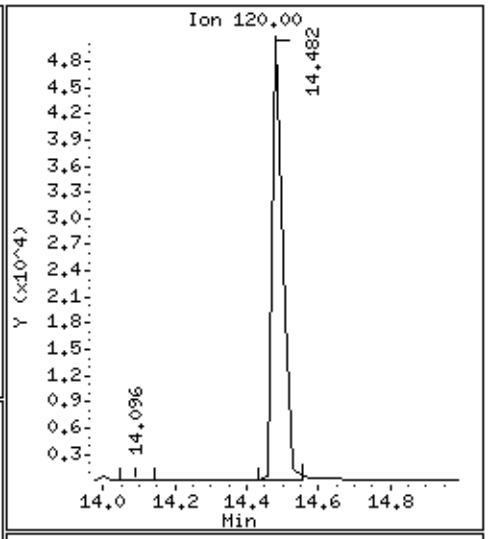
Column phase: DB-5.625

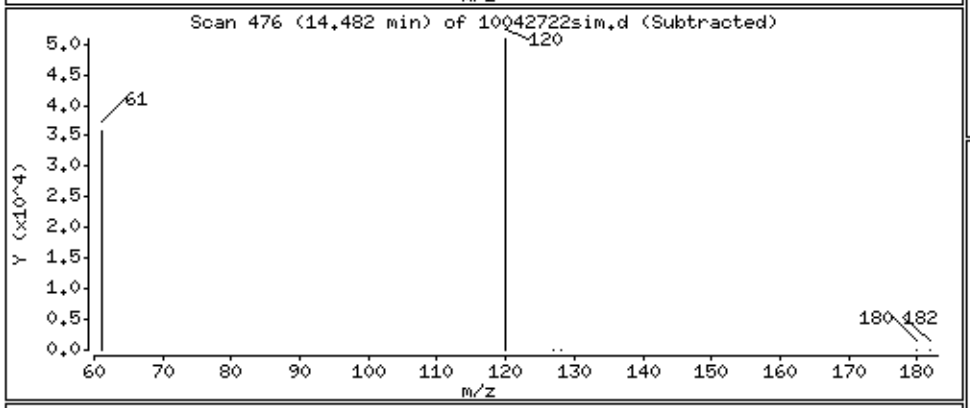
Column diameter: 0.25

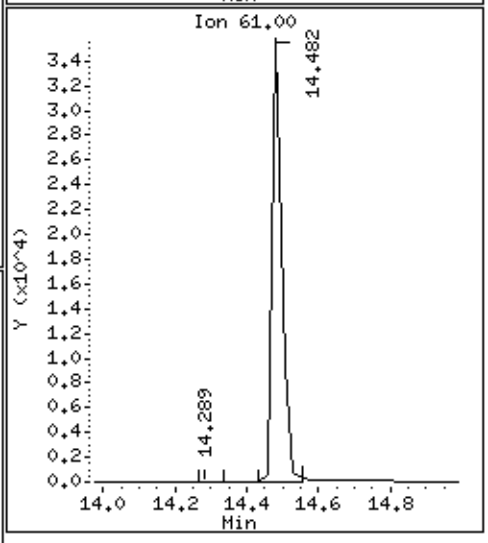
47 1,4-Dithiane

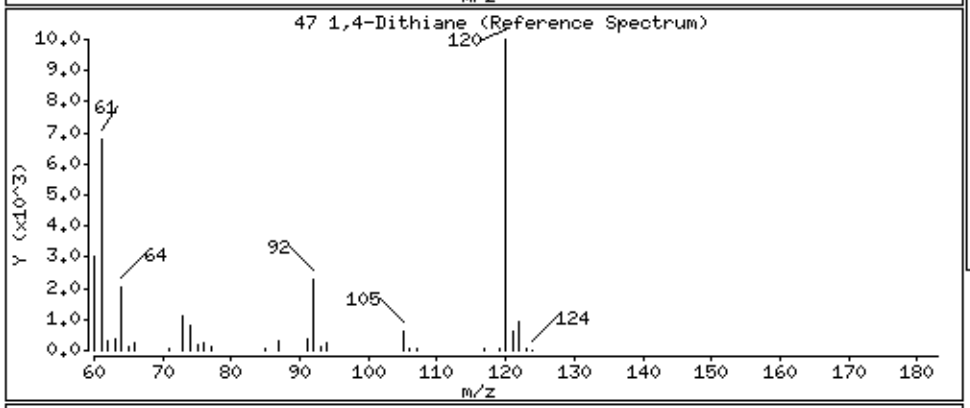
Concentration: 8.63157 ug

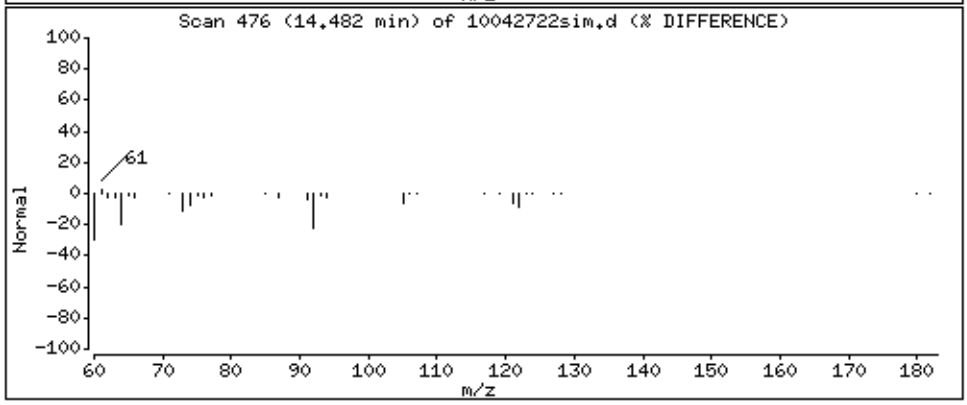












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

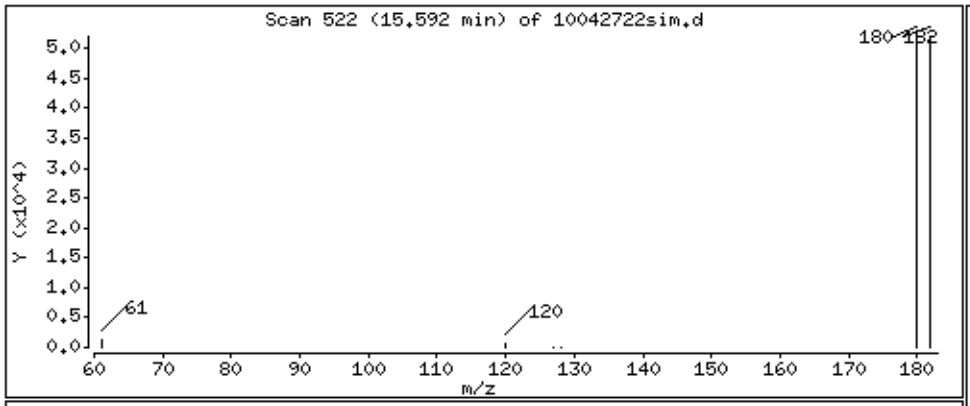
Operator: gm

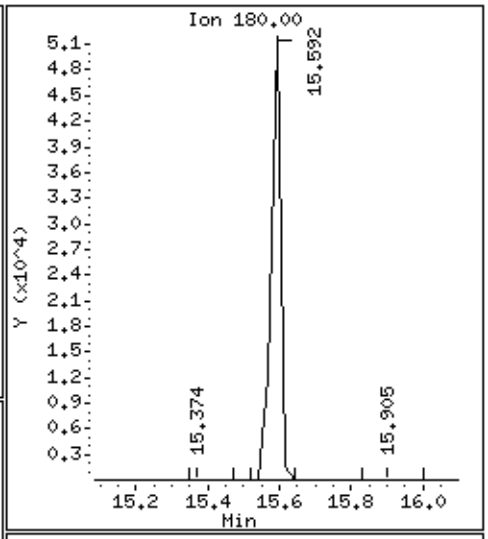
Column phase: DB-5.625

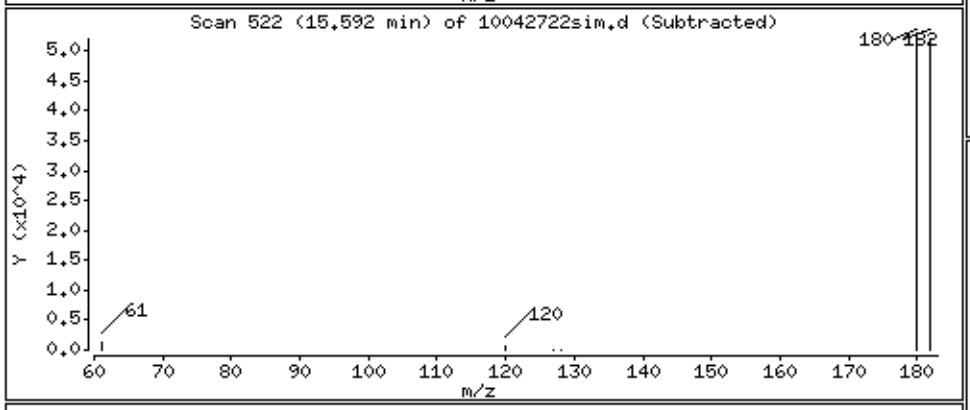
Column diameter: 0.25

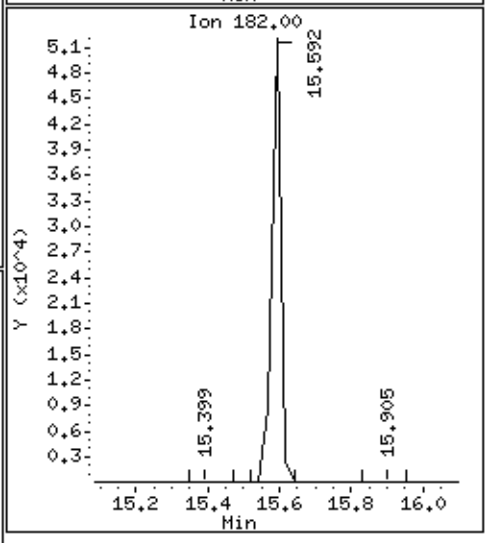
48 1,2,4-Trichlorobenzene

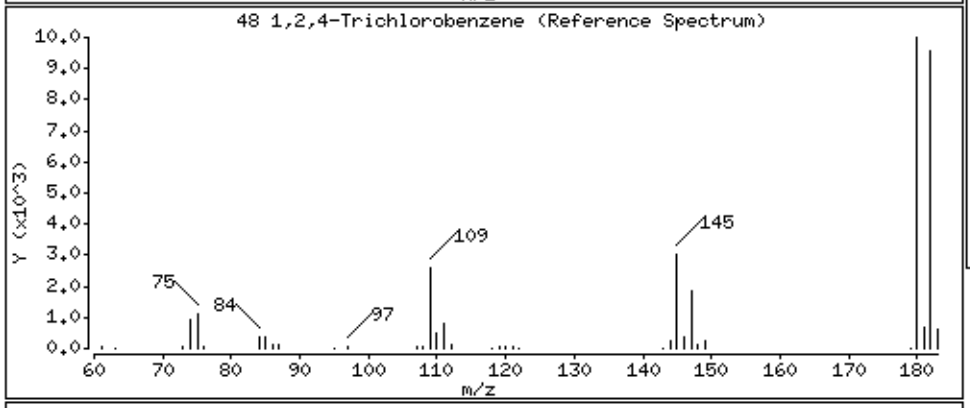
Concentration: 5.99078 ug

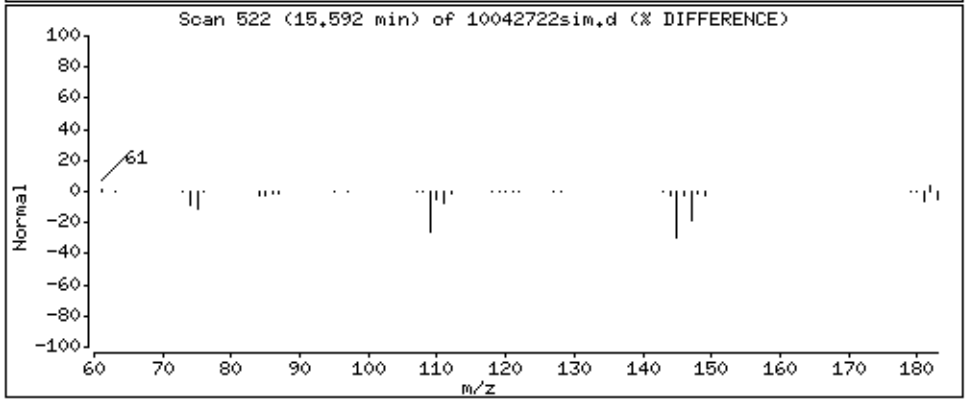












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

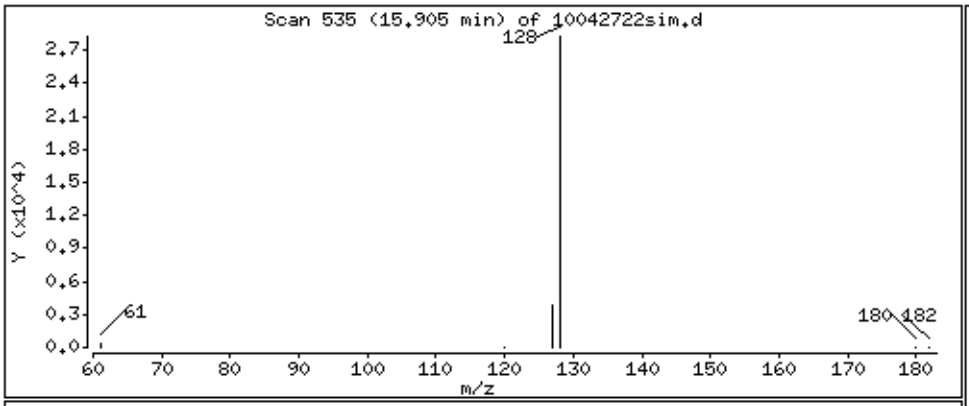
Operator: gm

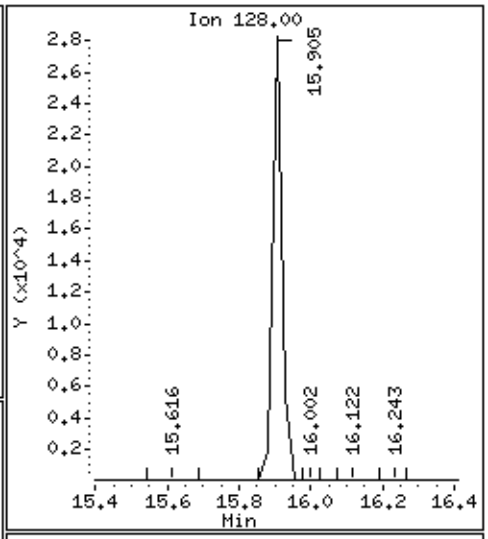
Column phase: DB-5.625

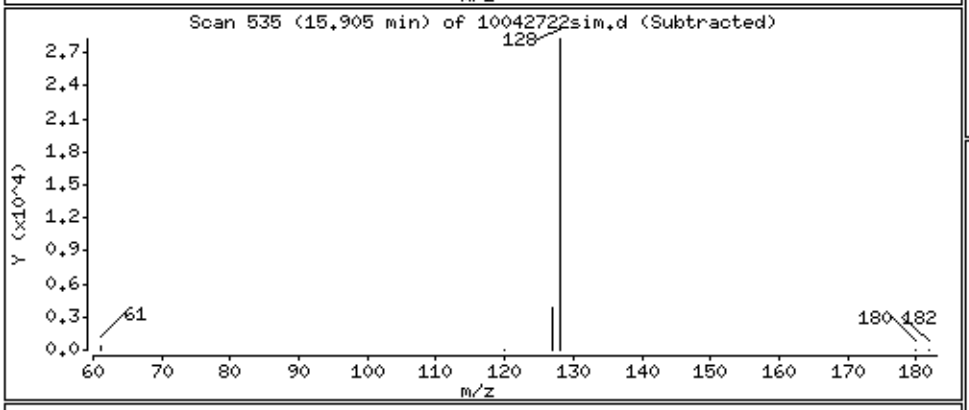
Column diameter: 0.25

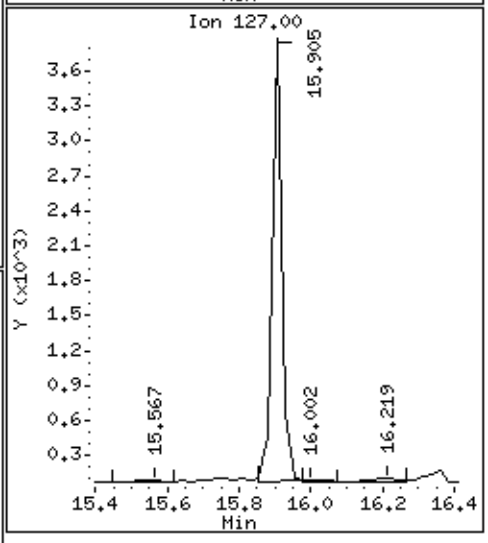
49 Naphthalene

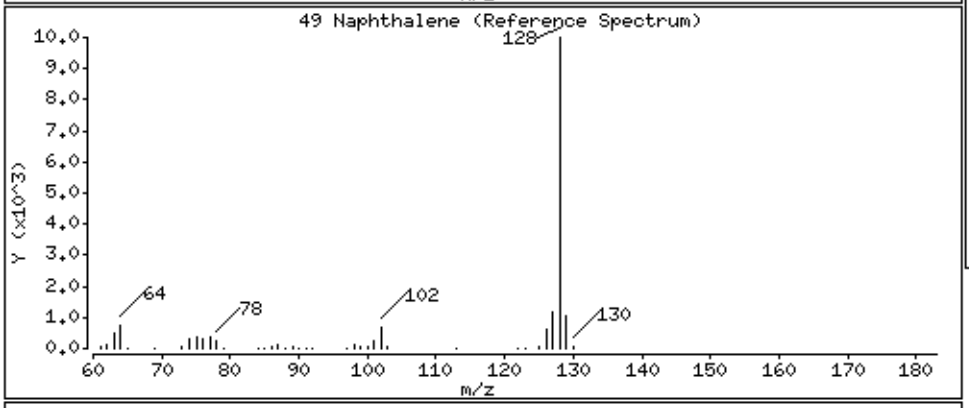
Concentration: 0.929912 ug

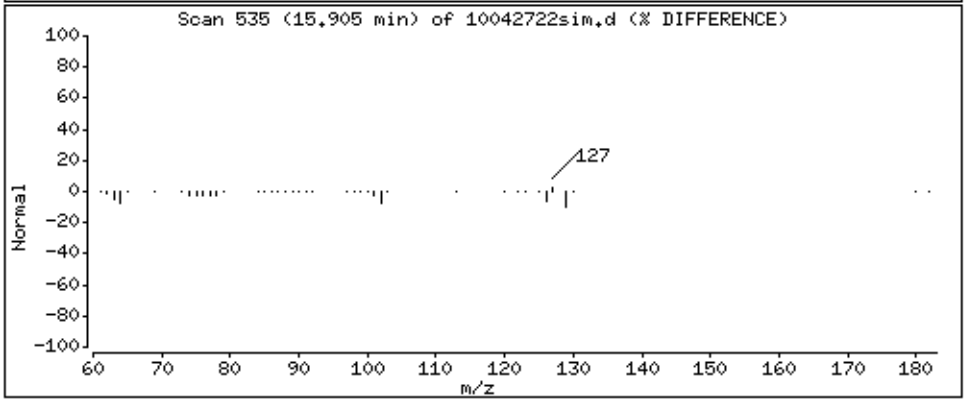












Data File: /chem/msd10.i/27Apr2015.b/10042722sim.d

Date : 27-APR-2015 16:13

Client ID: LCS

Instrument: msd10.i

Sample Info: ;1504283/459;LCS

Volume Injected (uL): 1.0

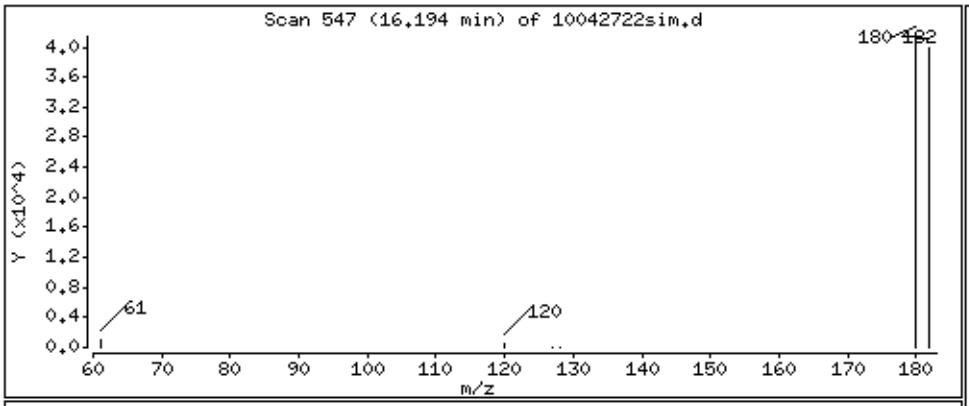
Operator: gm

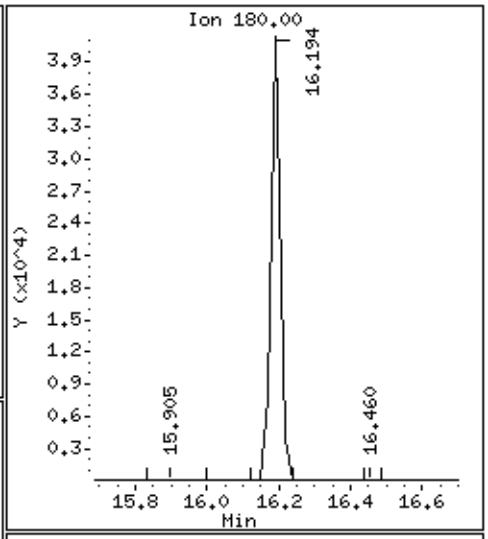
Column phase: DB-5.625

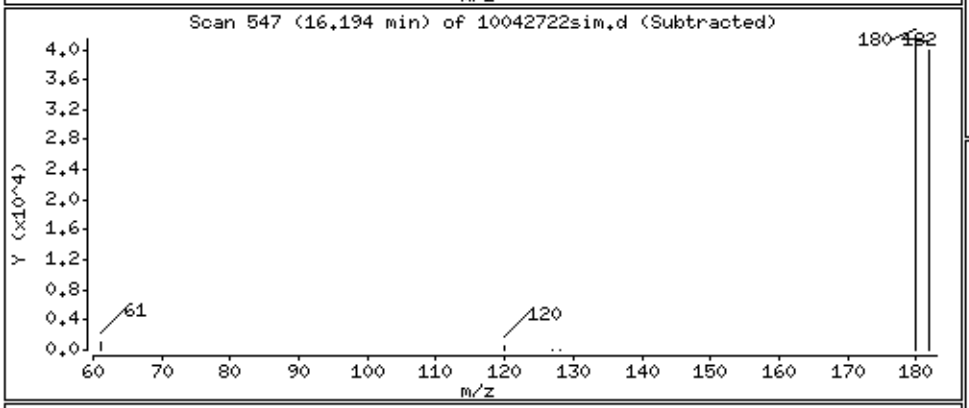
Column diameter: 0.25

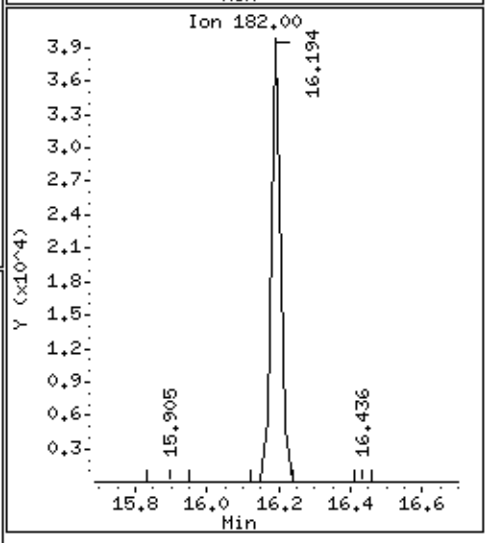
50 1,2,3-Trichlorobenzene

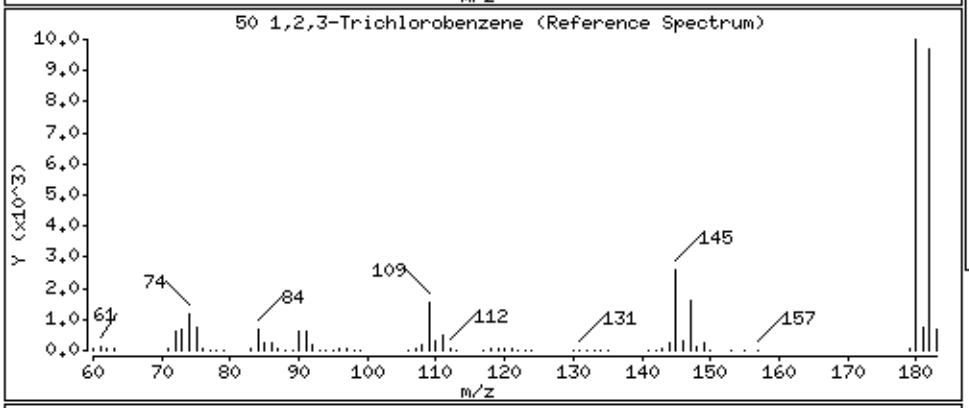
Concentration: 4.93620 ug

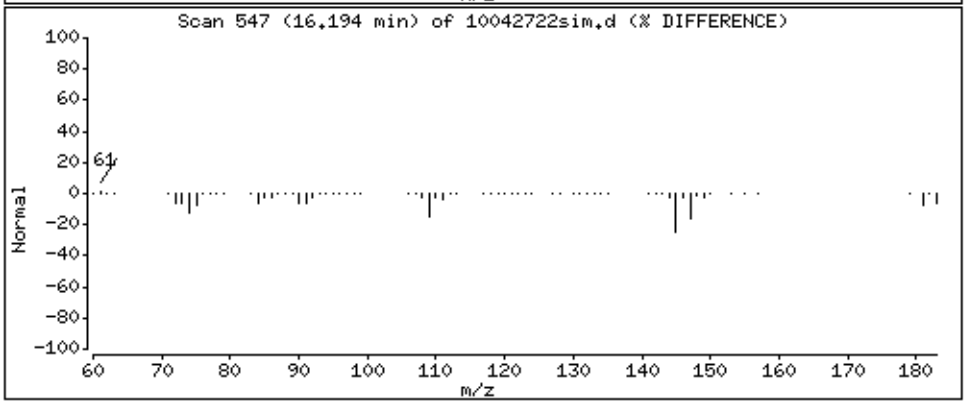












eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1504459R1-07AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**10042723sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/27/15 04:37 PM**	
		Date of Extraction: 4/27/15	

Compound	%Recovery	Method Limits
1,1,1-Trichloroethane	86	70-130
Benzene	87	70-130
1,2-Dichloroethane	84	70-130
Trichloroethene	87	70-130
Toluene	90	70-130
Tetrachloroethene	91	70-130
Ethyl Benzene	96	70-130
m,p-Xylene	92	70-130
o-Xylene	83	70-130
Naphthalene	9.5	5-80
1,1-Dichloroethane	85	70-130
1,1-Dichloroethene	73	70-130
cis-1,2-Dichloroethene	83	70-130
trans-1,2-Dichloroethene	96	70-130
1,1,2-Trichloroethane	90	70-130
1,2,4-Trimethylbenzene	95	70-130
1,3,5-Trimethylbenzene	103	70-130
Vinyl Chloride	62	50-140

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

Report Date: 27-Apr-2015 20:24

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 27Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504283/459 Client Smp ID: LCSD
Level: MED Operator: gm
Data Type: MS DATA SampleType: LCSD
SpikeList File: RadLCS-CM.spk Quant Type: ISTD
Sublist File: all-cm.sub
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

	SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
2	Vinyl Chloride	10.0000	6.16032	61.60	50-140
3	Ethanol	10.0000	5.09044	50.90	50-130
4	1,1-Dichloroethene	10.0000	7.31230	73.12	70-130
5	Acetone	10.0000	7.79451	77.95	70-130
6	2-Propanol	10.0000	6.42310	64.23	50-130
7	MTBE	10.0000	8.26441	82.64	70-130
8	trans-1,2-Dichloro	10.0000	9.60747	96.07	70-130
9	Hexane	10.0000	6.88691	68.87*	70-130
10	Halothane	10.0000	8.47799	84.78	70-130
11	1,1-Dichloroethane	10.0000	8.46603	84.66	70-130
12	Ethyl Acetate	10.0000	8.26650	82.67	70-130
13	2-Butanone	10.0000	8.12091	81.21	70-130
14	cis-1,2-Dichloroet	10.0000	8.33981	83.40	70-130
15	Chloroform-CCC	10.0000	8.07006	80.70	70-130
16	Cyclohexane	10.0000	9.42172	94.22	70-130
17	1,1,1-Trichloroeth	10.0000	8.64825	86.48	70-130
18	Carbon Tetrachlori	10.0000	8.85484	88.55	70-130
19	Benzene	10.0000	8.68178	86.82	70-130
20	1,2-Dichloroethane	10.0000	8.36792	83.68	70-130
21	Heptane	10.0000	9.24257	92.43	70-130
22	Trichloroethene	10.0000	8.72051	87.21	70-130
24	Methyl Methacrylat	10.0000	8.91822	89.18	70-130
25	4-Methyl-2-pentano	10.0000	9.59902	95.99	70-130
28	Toluene-CCC	10.0000	9.00283	90.03	70-130
30	1,1,2-Trichloroeth	10.0000	8.95563	89.56	70-130
31	Tetrachloroethene	10.0000	9.06381	90.64	70-130
32	Chlorobenzene	10.0000	8.51866	85.19	70-130
33	Ethylbenzene-CCC	10.0000	9.61240	96.12	70-130
209	1,1,1,2-Tetrachlor	10.0000	9.41563	94.16	70-130
34	m,p-Xylene	20.0000	18.5055	92.53	70-130
36	o-Xylene	10.0000	8.30166	83.02	70-130
37	Styrene	10.0000	5.53654	55.37	20-100
38	a-Pinene	10.0000	11.4504	114.50	70-130

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
39 1,1,2,2-Tetrachlor	10.0000	8.63541	86.35	70-130
40 Propylbenzene	10.0000	8.84404	88.44	70-130
210 1,2,3-Trichloropro	10.0000	9.09546	90.95	70-130
41 1,3,5-Trimethylben	10.0000	10.3013	103.01	70-130
42 1,2,4-Trimethylben	10.0000	9.50696	95.07	70-130
43 R-(+)-Limonene	10.0000	9.90917	99.09	70-130
44 1,3-Dichlorobenzen	10.0000	8.01954	80.20	50-110
45 1,4-Dichlorobenzen	10.0000	7.46992	74.70	50-110
46 1,2-Dichlorobenzen	10.0000	7.10982	71.10	50-110
47 1,4-Dithiane	10.0000	8.67477	86.75	50-110
48 1,2,4-Trichloroben	10.0000	6.00364	60.04	20-110
49 Naphthalene	10.0000	0.948052	9.48	5-80
50 1,2,3-Trichloroben	10.0000	4.93721	49.37	20-110

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 26 Toluene-d8	10.0000	10.3029	103.03	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msd10.i/27Apr2015.b/10042723sim.d
Lab Smp Id: 1504283/459 Client Smp ID: LCSD
Inj Date : 27-APR-2015 16:37
Operator : gm Inst ID: msd10.i
Smp Info : ;1504283/459;LCSD
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Meth Date : 27-Apr-2015 14:05 gmash Quant Type: ISTD
Cal Date : 27-APR-2015 11:01 Cal File: 10042709sim.d
Als bottle: 21 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-cm.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug)
2 Vinyl Chloride	62	3.444	3.420	(0.339)	10518	3.08016	6.16032
3 Ethanol	45	4.696	4.696	(0.463)	5580	2.54522	5.09044
4 1,1-Dichloroethene-CCC	96	5.117	5.117	(0.504)	16033	3.65615	7.31230
5 Acetone	58	5.206	5.206	(0.513)	13882	3.89726	7.79451
6 2-Propanol	45	5.273	5.273	(0.519)	32802	3.21155	6.42310
7 MTBE	73	5.996	5.996	(0.591)	98780	4.13220	8.26441
8 trans-1,2-Dichloroethene	96	6.051	6.051	(0.596)	33095	4.80373	9.60747
9 Hexane	57	6.216	6.216	(0.612)	76010	3.44346	6.88691(R)
10 Halothane	117	6.377	6.377	(0.628)	18701	4.23899	8.47799
11 1,1-Dichloroethane-SPCC	63	6.474	6.474	(0.638)	63344	4.23302	8.46603
12 Ethyl Acetate	70	7.013	7.013	(0.691)	9862	4.13325	8.26650
13 2-Butanone	72	7.036	7.036	(0.693)	21555	4.06045	8.12091
14 cis-1,2-Dichloroethene	96	7.058	7.058	(0.695)	34433	4.16991	8.33981
15 Chloroform-CCC	83	7.322	7.352	(0.721)	54843	4.03503	8.07006
16 Cyclohexane	84	7.537	7.537	(0.742)	88661	4.71086	9.42172
17 1,1,1-Trichloroethane	97	7.537	7.537	(0.742)	71195	4.32413	8.64825

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug)
	18 Carbon Tetrachloride	117	7.691	7.691	(0.758)	65060	4.42742	8.85484
	19 Benzene	78	7.938	7.938	(0.782)	163355	4.34089	8.68178
	20 1,2-Dichloroethane	62	8.000	7.999	(0.788)	67288	4.18396	8.36792
	21 Heptane	71	8.030	8.030	(0.791)	51686	4.62128	9.24257
	22 Trichloroethene	130	8.562	8.562	(0.843)	51588	4.36026	8.72051
	24 Methyl Methacrylate	69	8.851	8.851	(0.872)	54968	4.45911	8.91822
	25 4-Methyl-2-pentanone	85	9.695	9.695	(0.955)	25131	4.79951	9.59902
$	26 Toluene-d8	98	9.839	9.839	(0.969)	216391	5.15146	10.3029
	28 Toluene-CCC	92	9.912	9.912	(0.976)	160239	4.50142	9.00283
*	29 2-Fluorotoluene	109	10.153	10.153	(1.000)	232467	5.00000	
	30 1,1,2-Trichloroethane	97	10.394	10.370	(1.024)	52155	4.47781	8.95563
	31 Tetrachloroethene	164	10.466	10.466	(1.031)	51154	4.53190	9.06381
	32 Chlorobenzene	112	11.459	11.459	(1.129)	190358	4.25933	8.51866
	33 Ethylbenzene-CCC	106	11.510	11.510	(1.134)	117390	4.80620	9.61240
	209 1,1,1,2-Tetrachloroethane	131	11.536	11.536	(1.136)	71800	4.70782	9.41563
	34 m,p-Xylene	106	11.613	11.613	(1.144)	236416	9.25273	18.5055
	36 o-Xylene	106	12.062	12.062	(1.188)	103829	4.15083	8.30166
	37 Styrene	104	12.062	12.062	(1.188)	115531	2.76827	5.53654
	38 a-Pinene	93	12.336	12.336	(1.215)	197549	5.72521	11.4504
	39 1,1,2,2-Tetrachloroethane-SPC	83	12.693	12.693	(1.250)	79266	4.31770	8.63541
	40 Propylbenzene	91	12.748	12.748	(1.256)	290746	4.42202	8.84404
	210 1,2,3-Trichloropropane	110	12.775	12.775	(1.258)	34140	4.54773	9.09546
	41 1,3,5-Trimethylbenzene	105	12.913	12.913	(1.272)	416584	5.15067	10.3013
	42 1,2,4-Trimethylbenzene	105	13.253	13.253	(1.305)	320782	4.75348	9.50696
	43 R-(+)-Limonene	68	13.470	13.470	(1.327)	97465	4.95458	9.90917
	44 1,3-Dichlorobenzene	146	13.566	13.566	(1.336)	173330	4.00977	8.01954
	45 1,4-Dichlorobenzene	146	13.663	13.638	(1.346)	123595	3.73496	7.46992
	46 1,2-Dichlorobenzene	146	14.000	14.000	(1.379)	133906	3.55491	7.10982
	47 1,4-Dithiane	120	14.482	14.482	(1.426)	101384	4.33738	8.67477
	48 1,2,4-Trichlorobenzene	180	15.592	15.592	(1.536)	91960	3.00182	6.00364
	49 Naphthalene	128	15.905	15.905	(1.567)	50452	0.47403	0.948052
	50 1,2,3-Trichlorobenzene	180	16.194	16.194	(1.595)	73834	2.46861	4.93721

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd10.i
Lab File ID: 10042723sim.d
Lab Smp Id: 1504283/459
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msd10.i/27Apr2015.b/105r0427.m/105r0427b.m
Misc Info: ,NOTICS

Calibration Date: 27-APR-2015
Calibration Time: 11:01
Client Smp ID: LCSD
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	216118	108059	432236	232467	7.56

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
29 2-Fluorotoluene	10.15	9.65	10.65	10.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Page 1

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

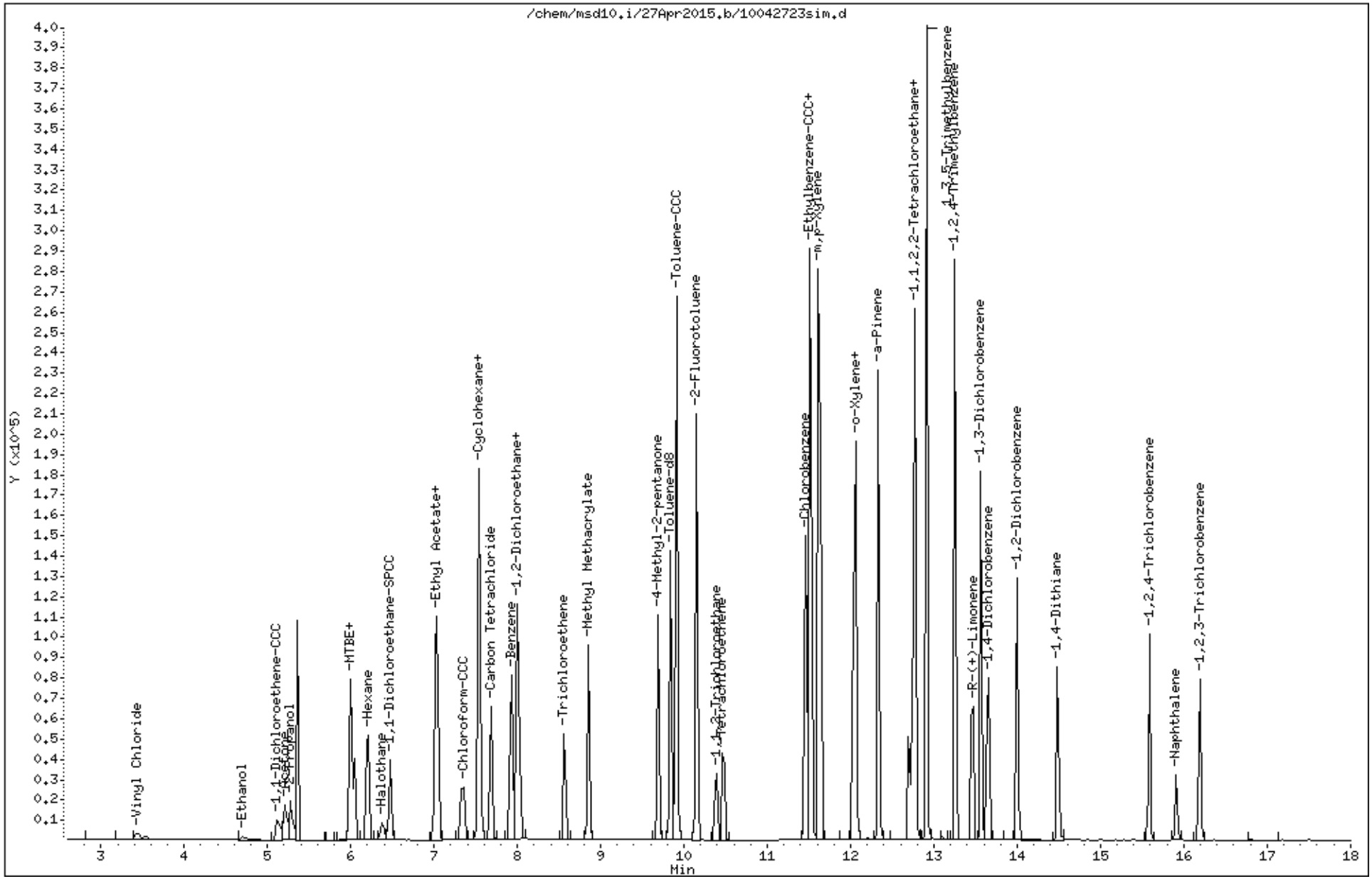
Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

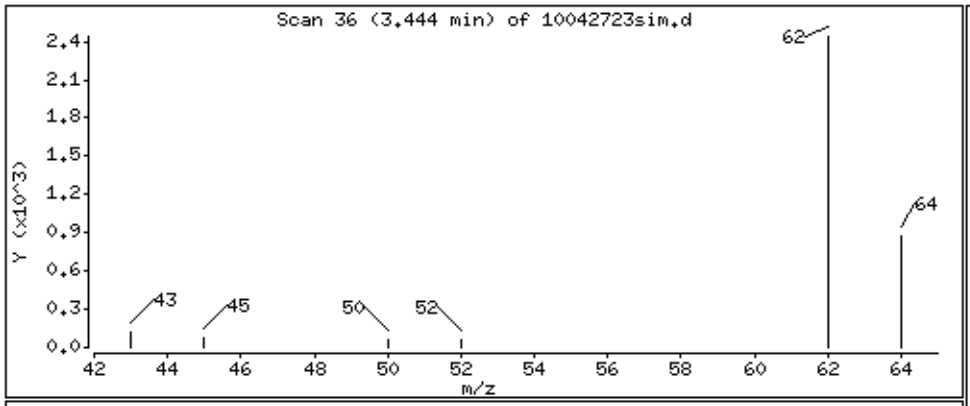
Operator: gm

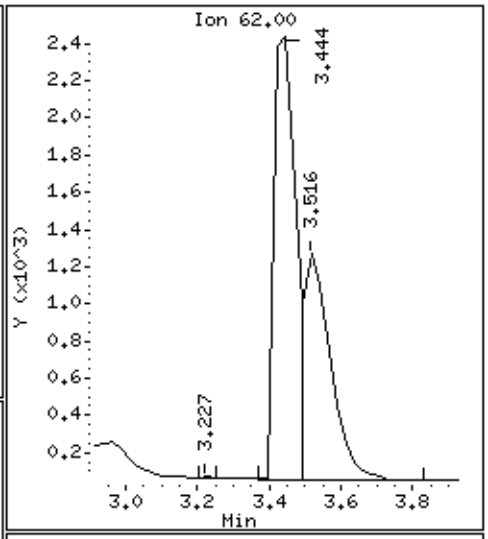
Column phase: DB-5.625

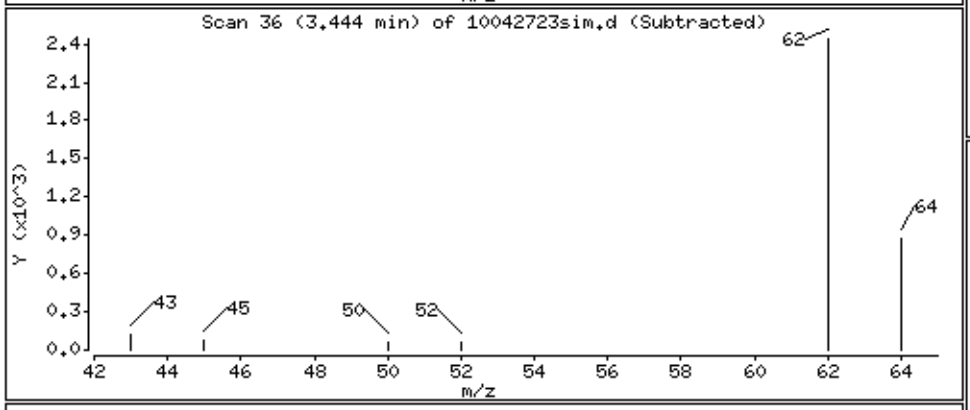
Column diameter: 0.25

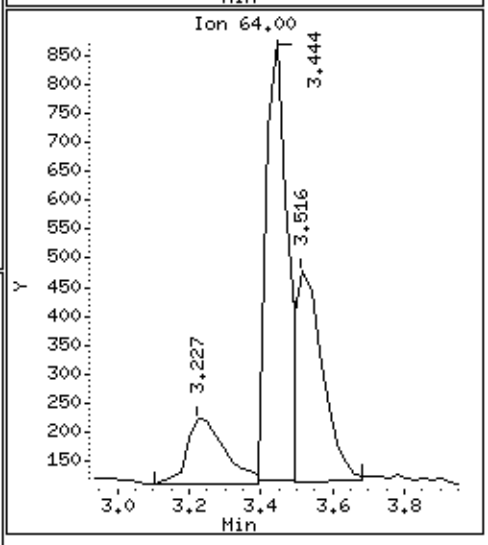
2 Vinyl Chloride

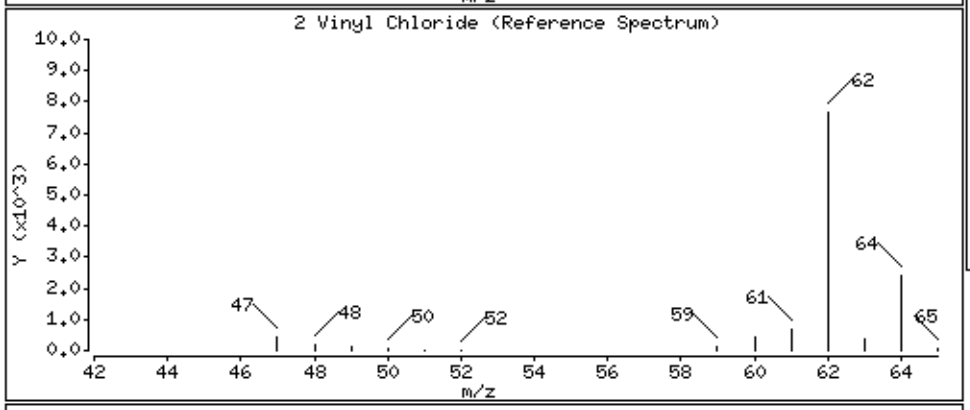
Concentration: 6.16032 ug

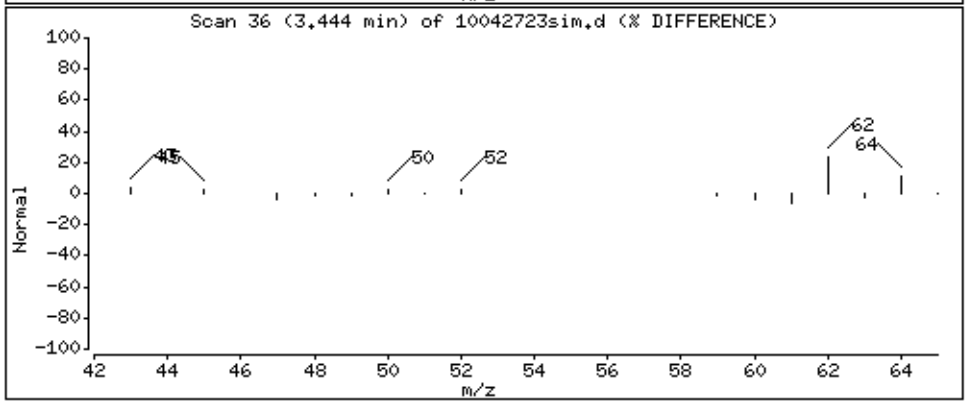












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

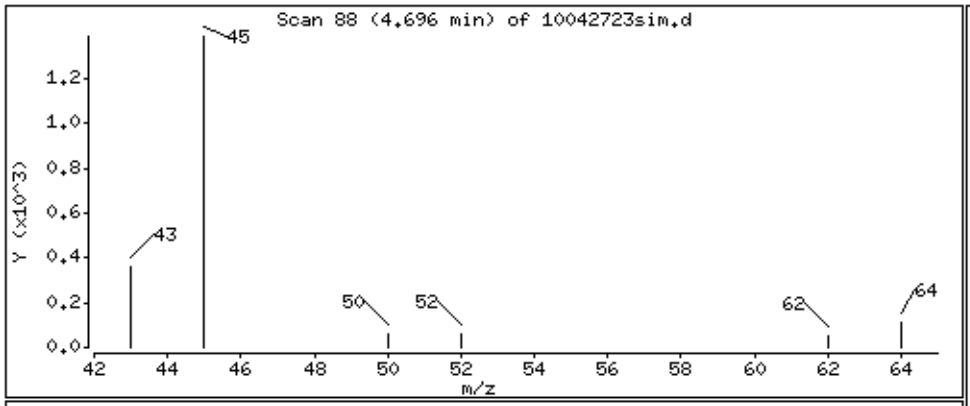
Operator: gm

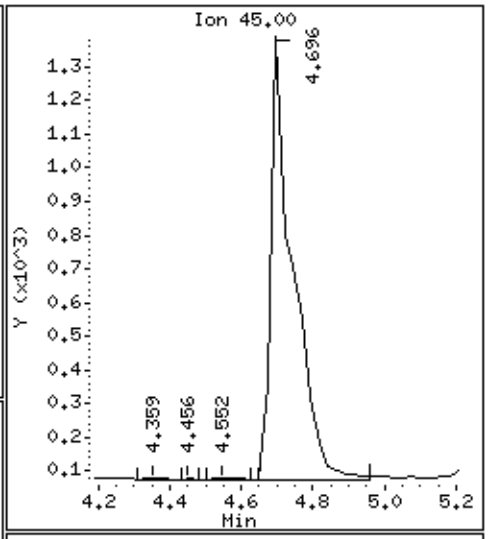
Column phase: DB-5.625

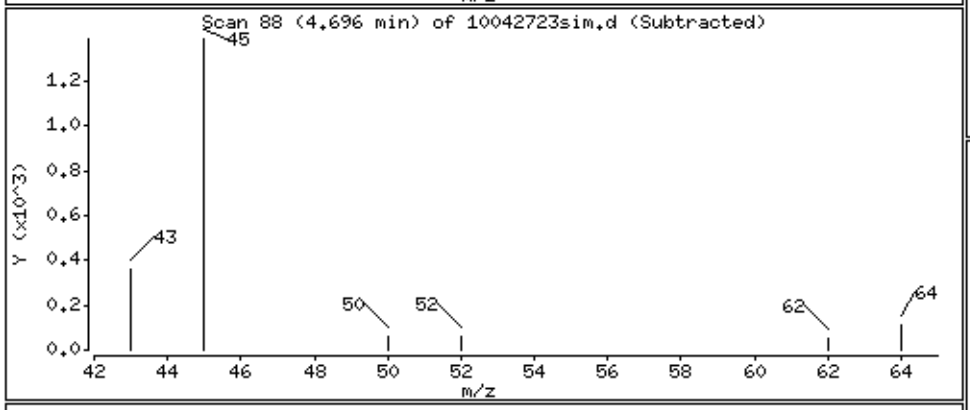
Column diameter: 0.25

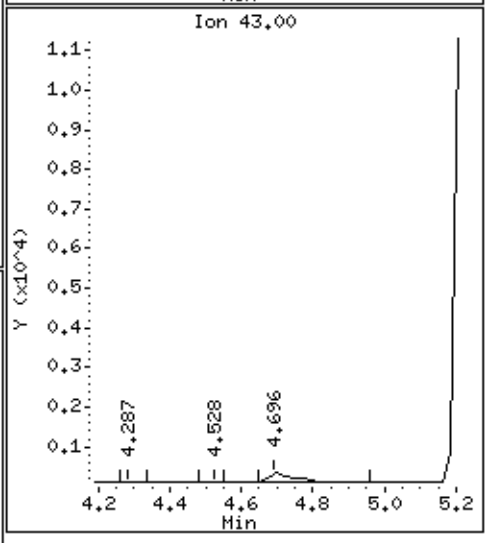
3 Ethanol

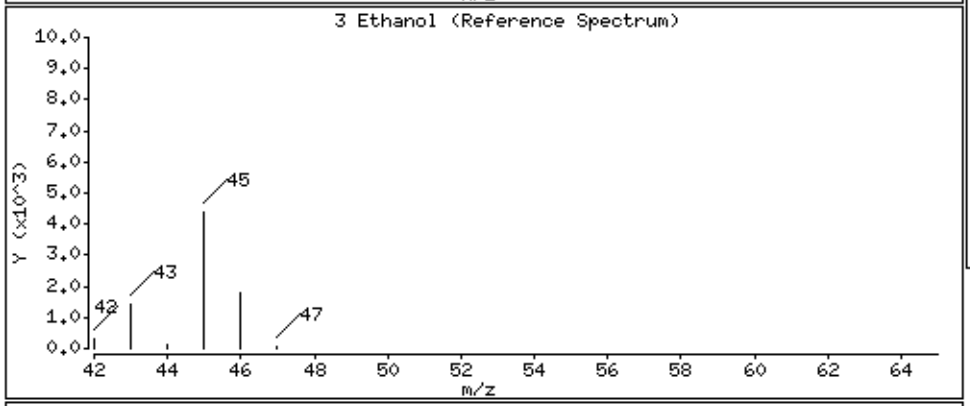
Concentration: 5.09044 ug

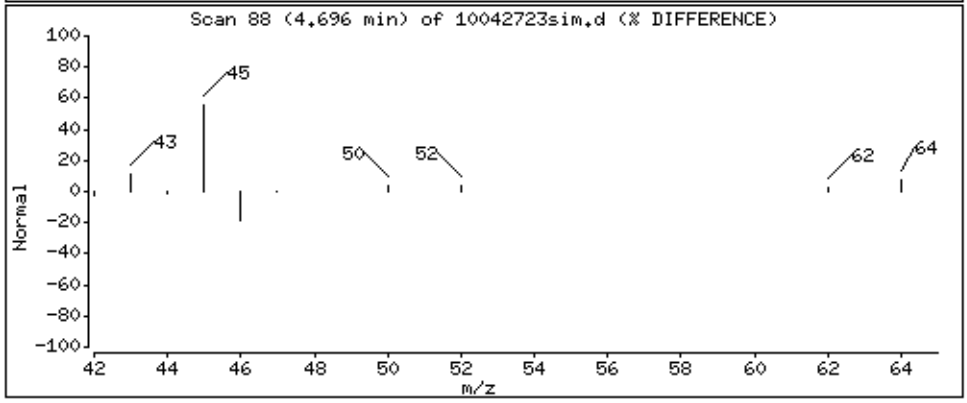












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

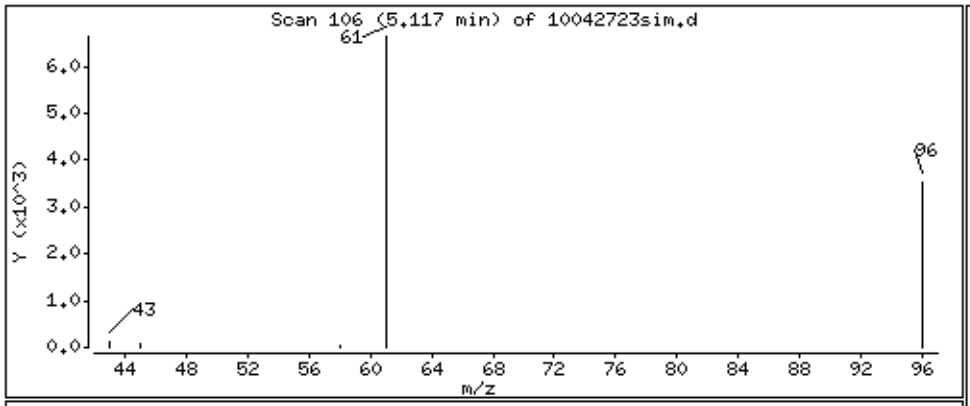
Operator: gm

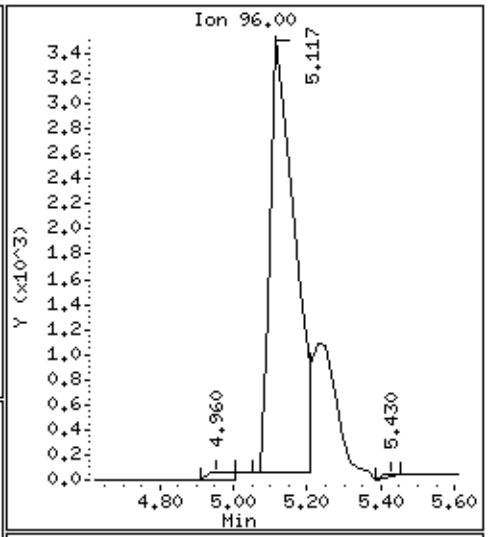
Column phase: DB-5.625

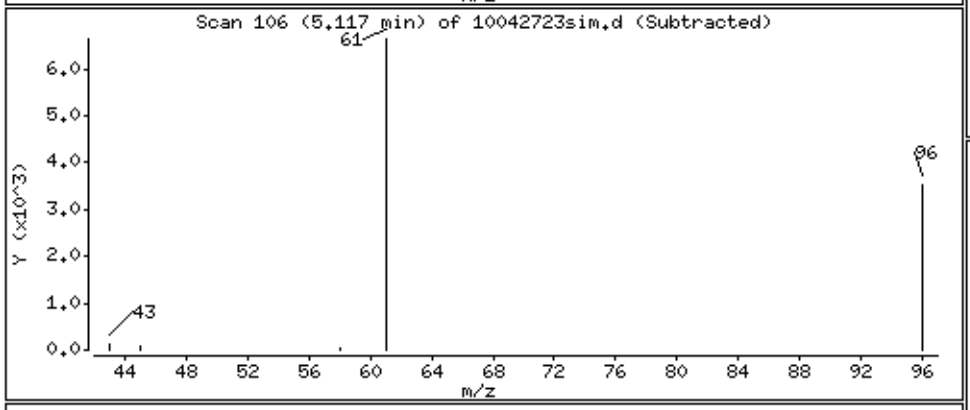
Column diameter: 0.25

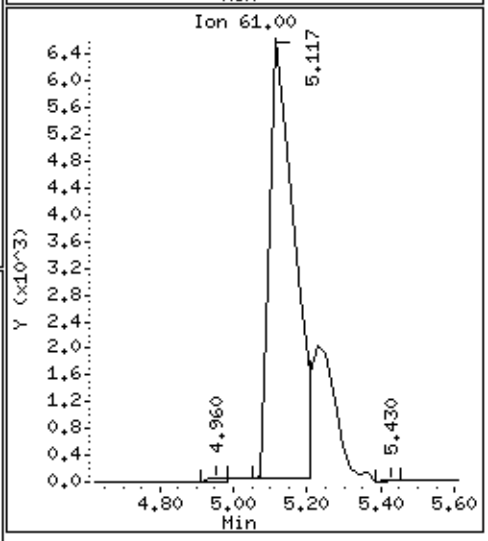
4 1,1-Dichloroethene-CCC

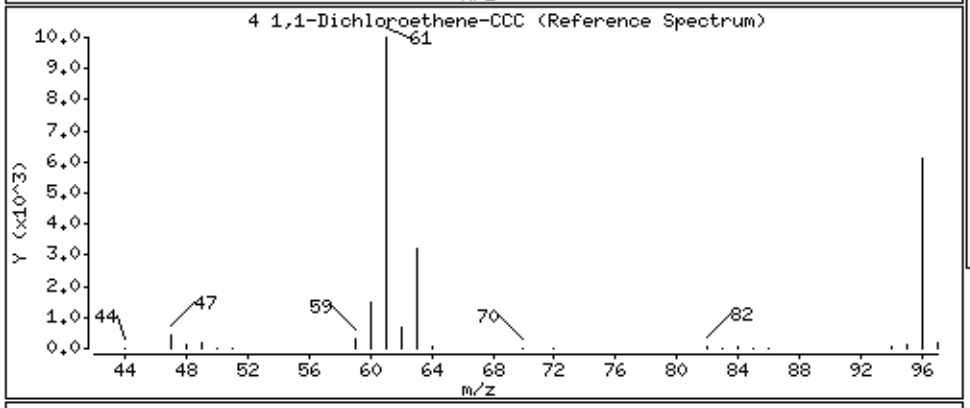
Concentration: 7.31230 ug

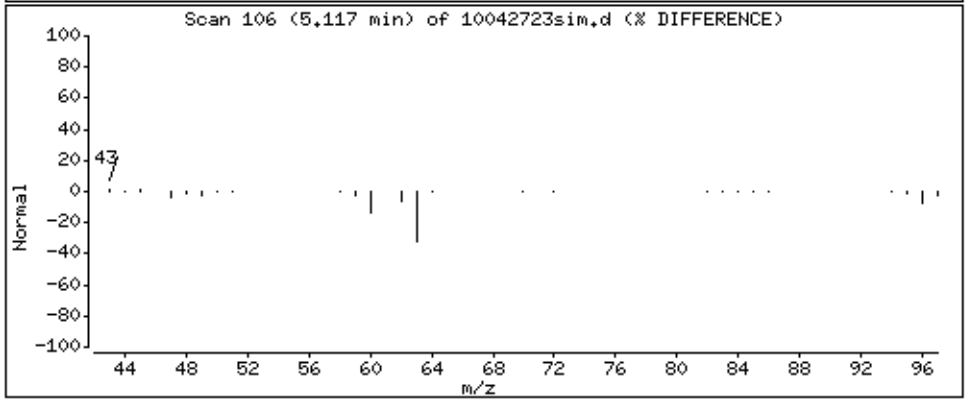












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

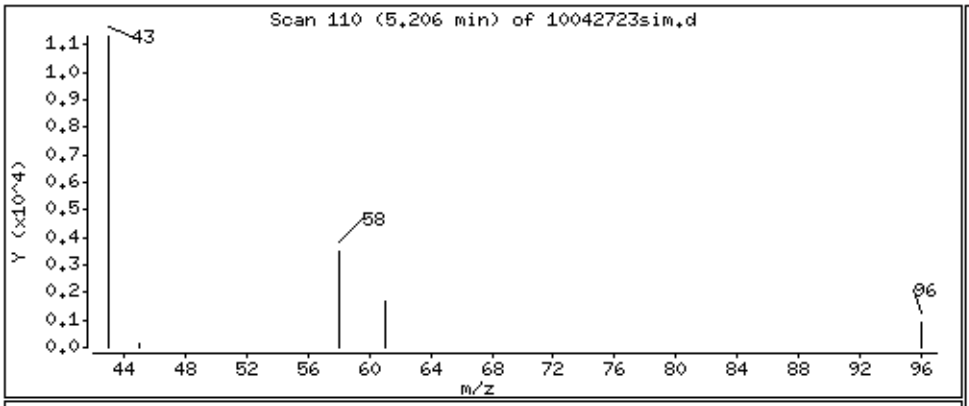
Operator: gm

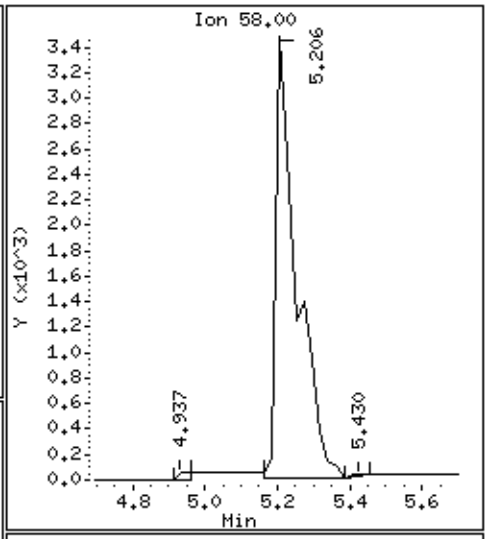
Column phase: DB-5.625

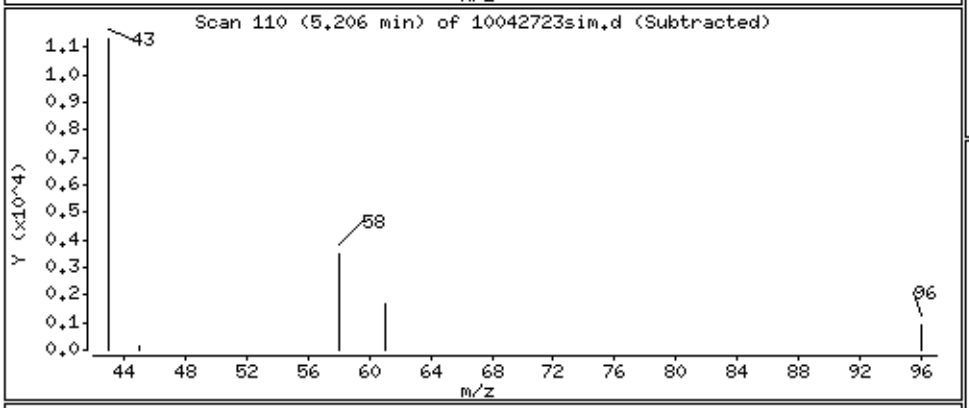
Column diameter: 0.25

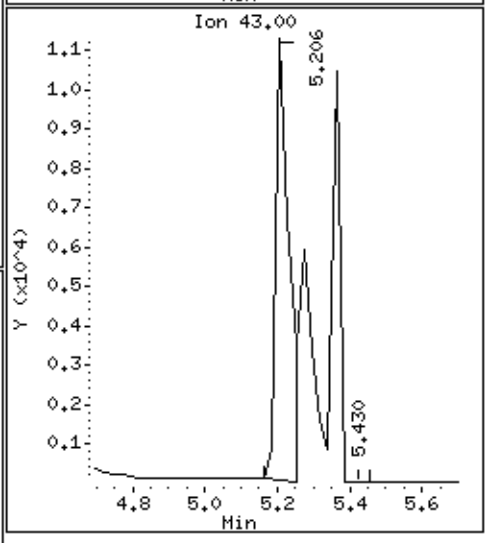
5 Acetone

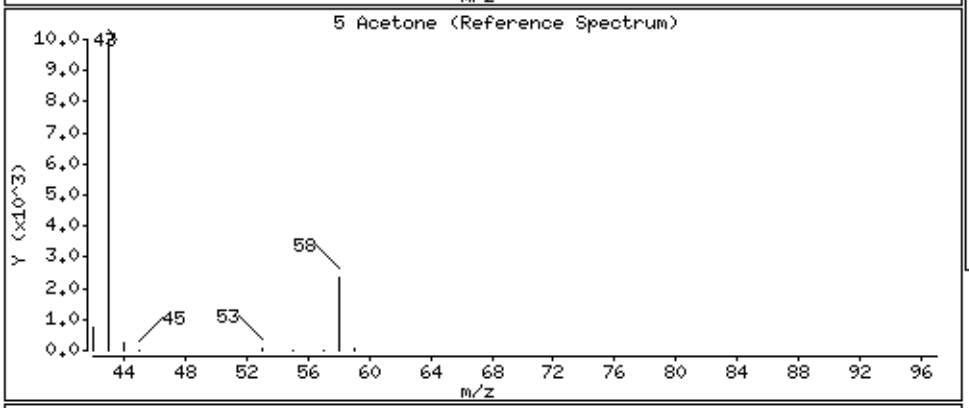
Concentration: 7.79451 ug

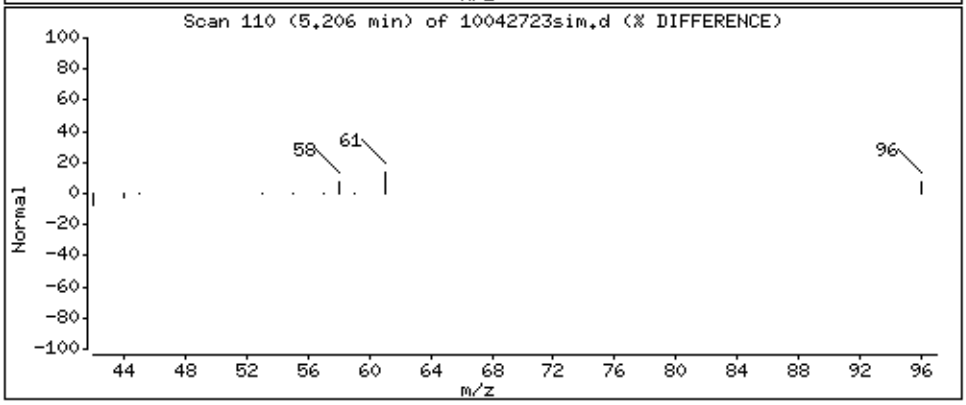












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

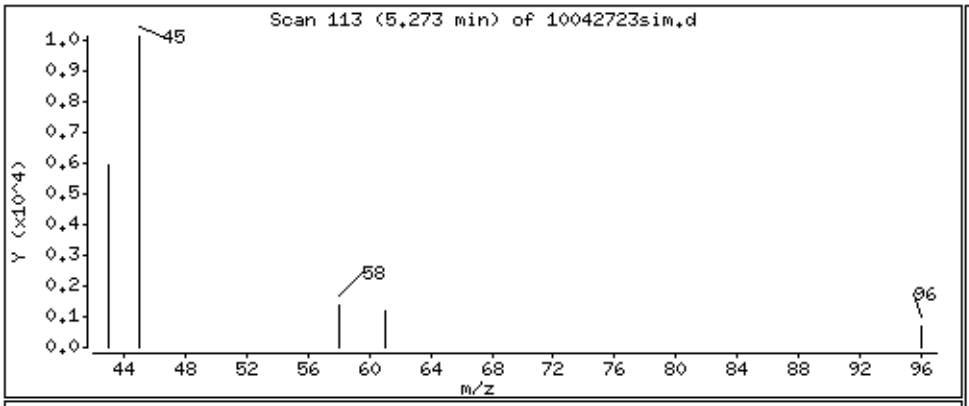
Operator: gm

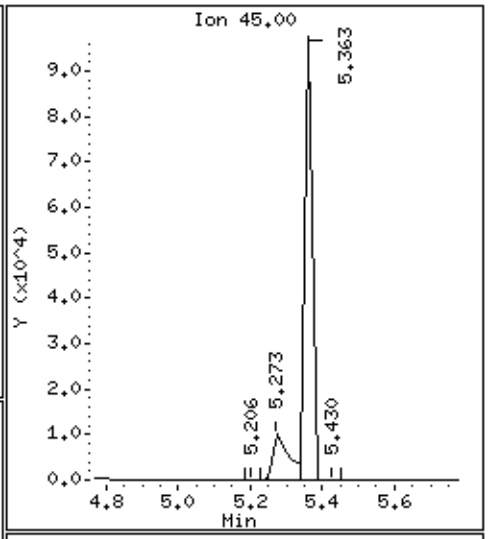
Column phase: DB-5.625

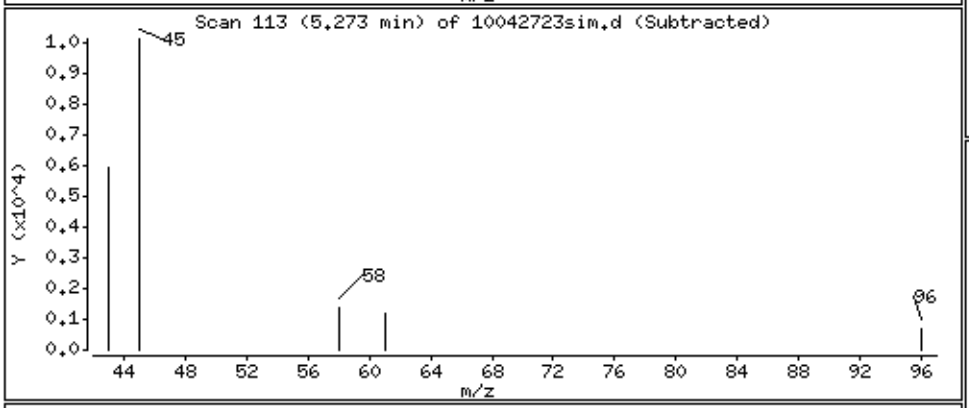
Column diameter: 0.25

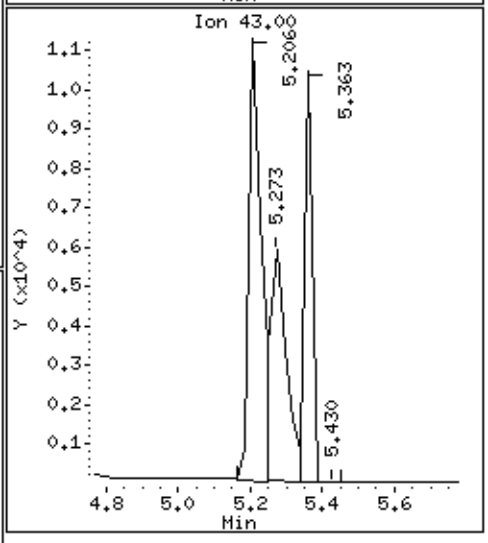
6 2-Propanol

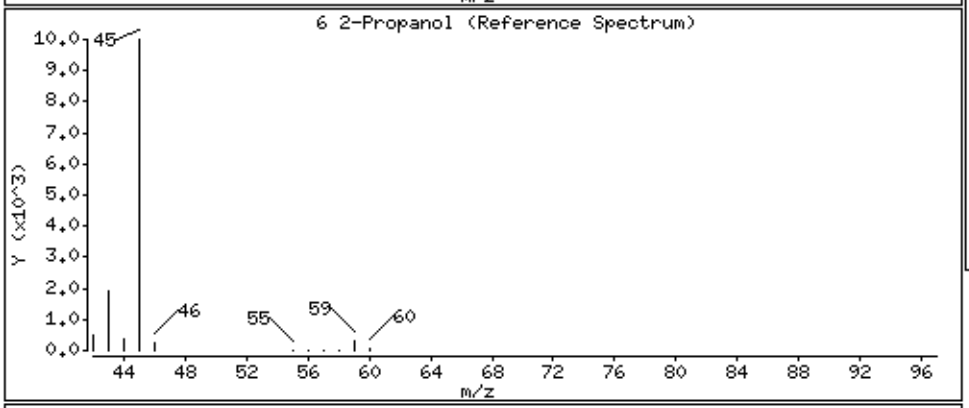
Concentration: 6.42310 ug

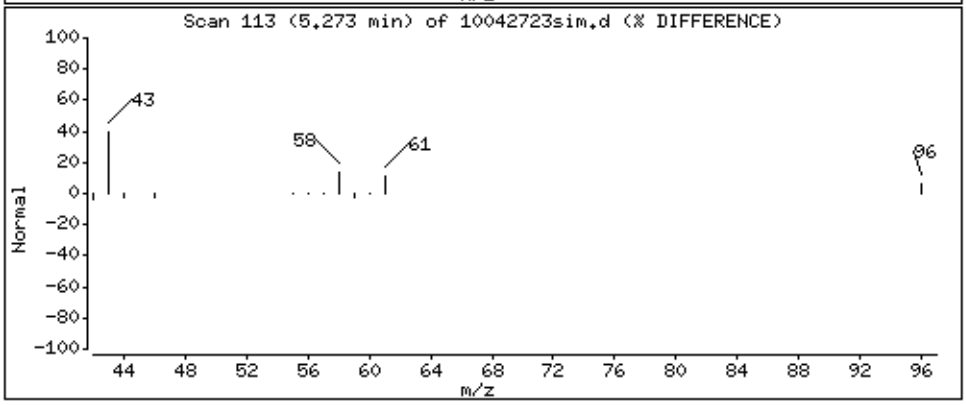












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

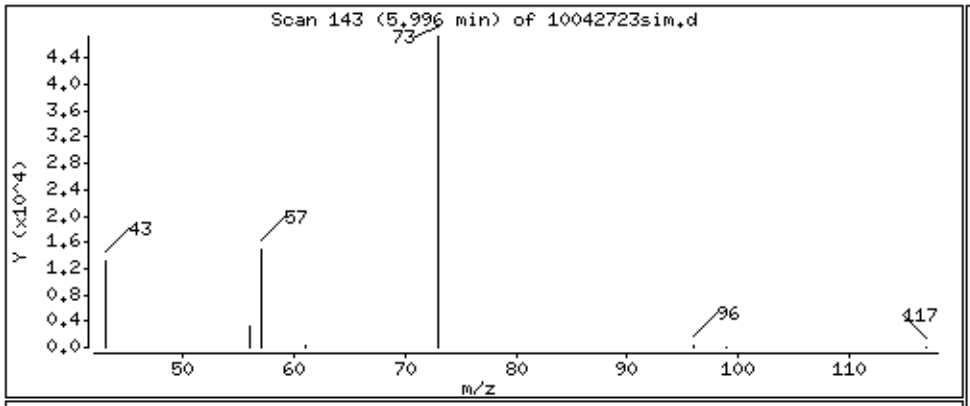
Operator: gm

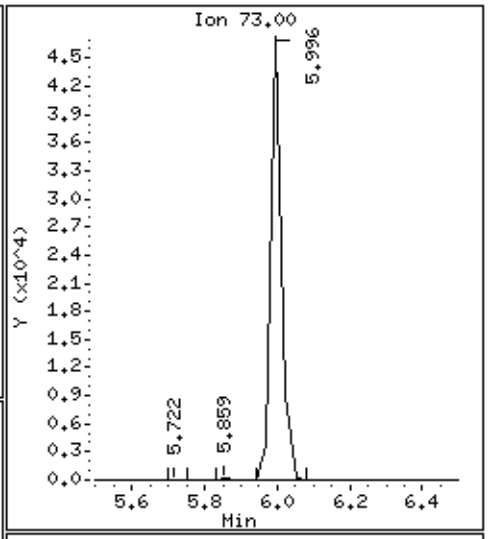
Column phase: DB-5.625

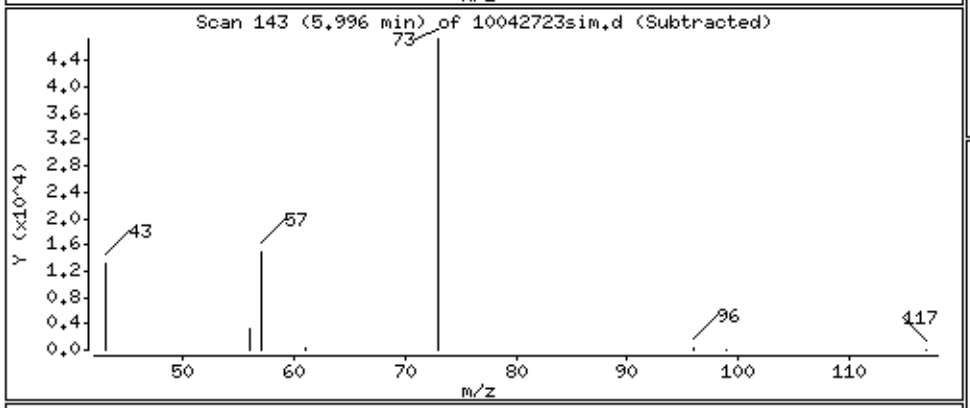
Column diameter: 0.25

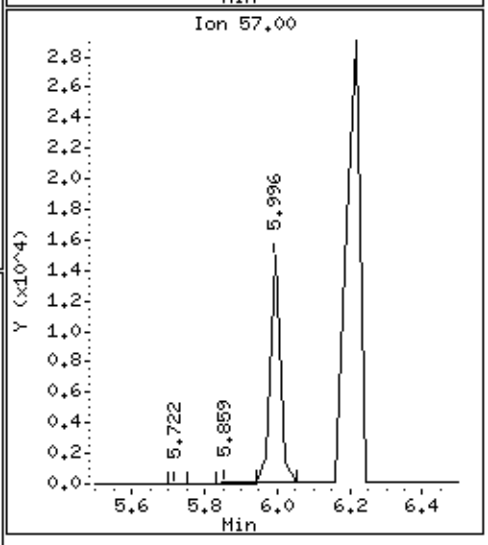
7 MTBE

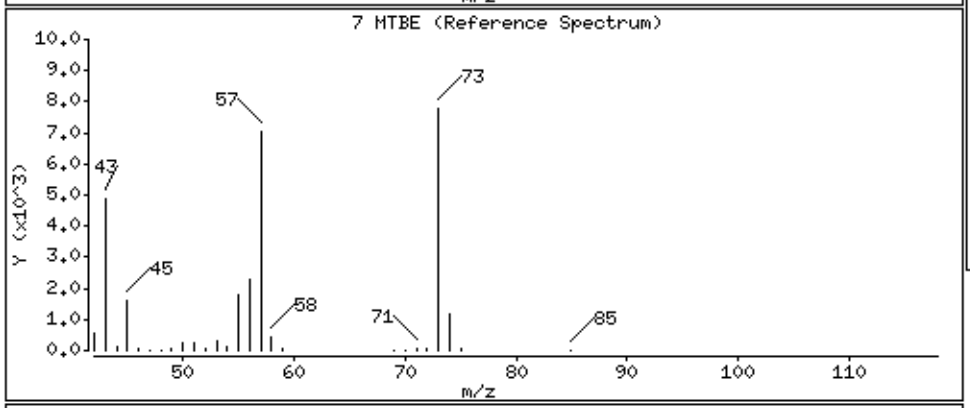
Concentration: 8.26441 ug

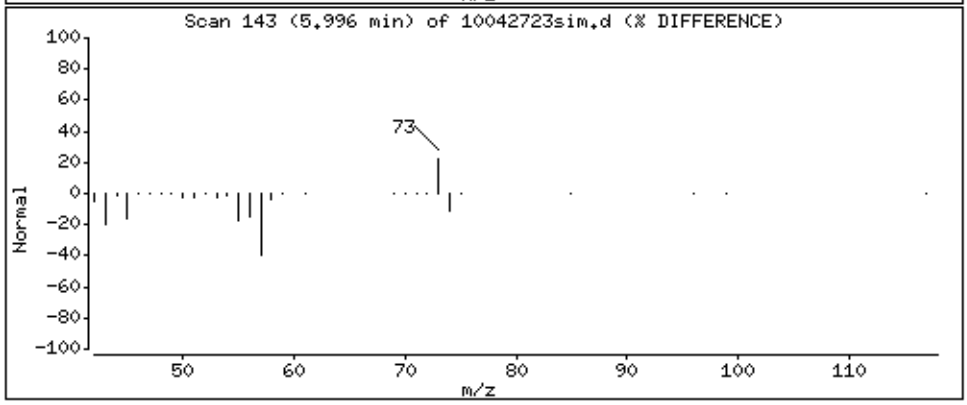












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

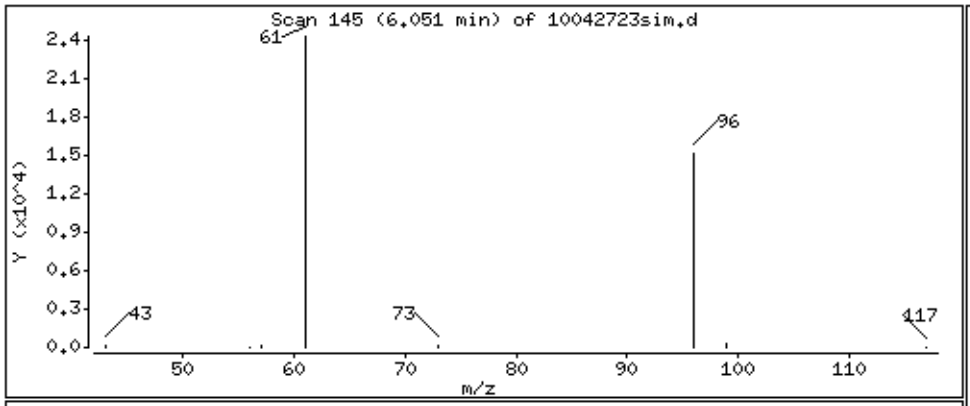
Operator: gm

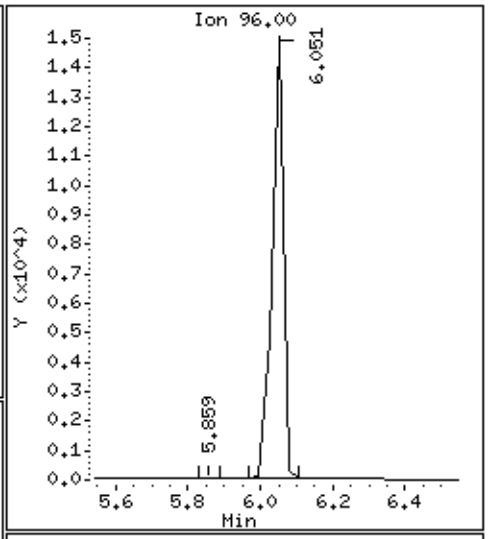
Column phase: DB-5.625

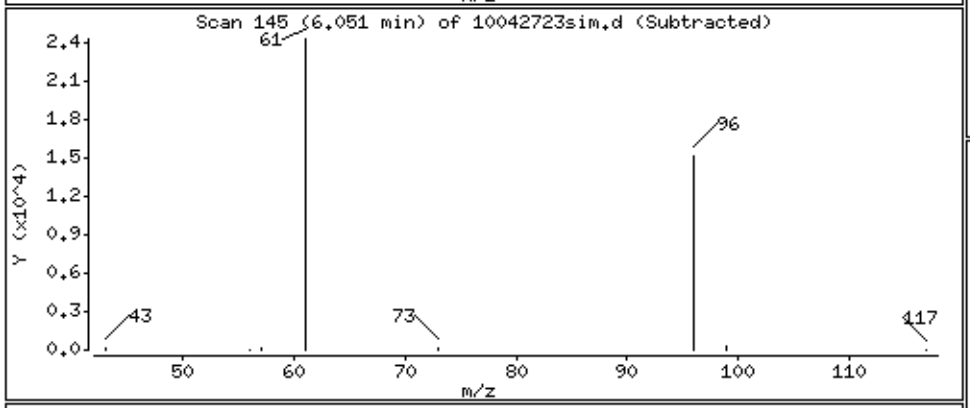
Column diameter: 0.25

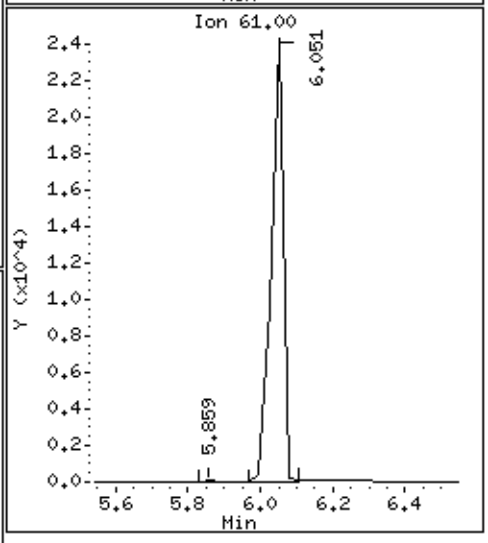
8 trans-1,2-Dichloroethene

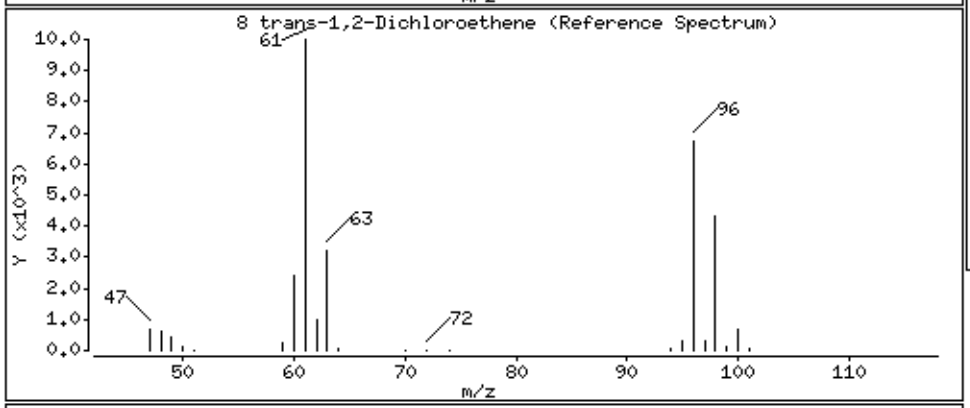
Concentration: 9.60747 ug

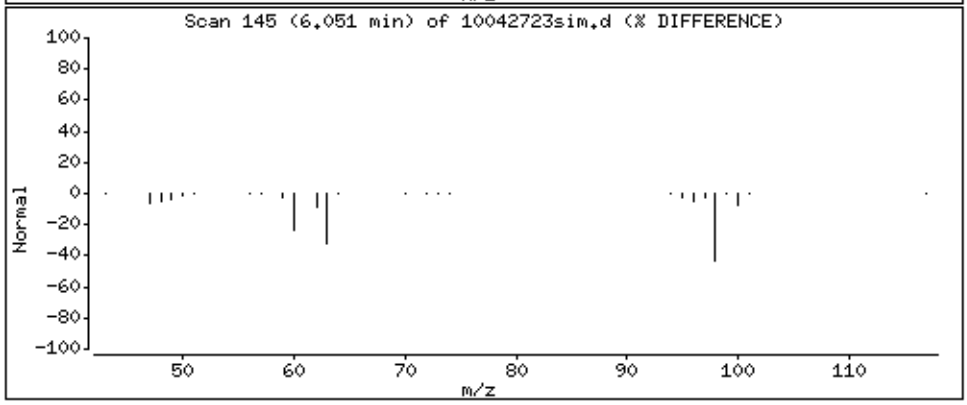












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

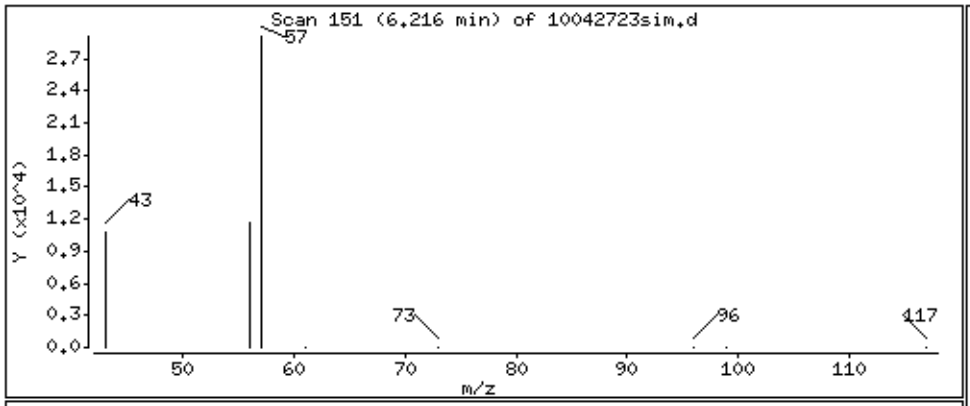
Operator: gm

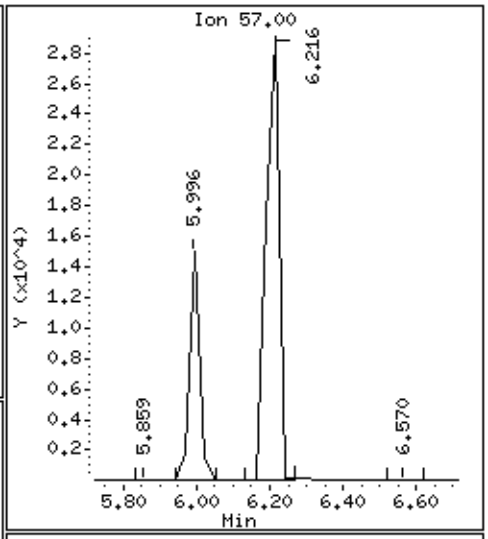
Column phase: DB-5.625

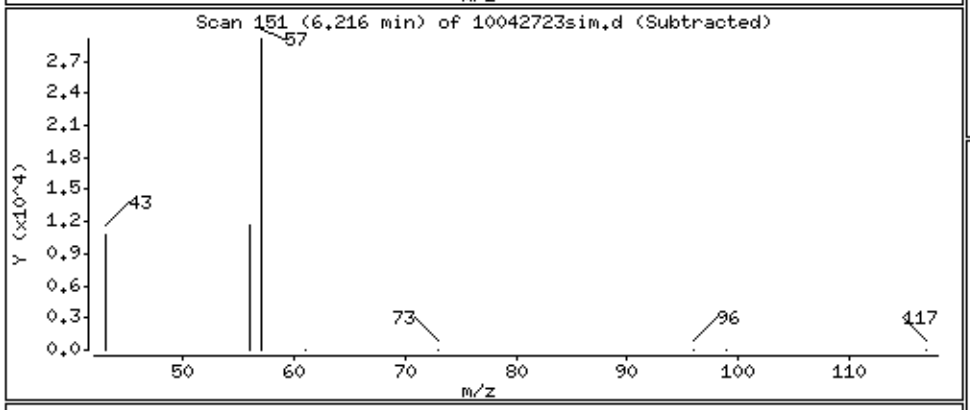
Column diameter: 0.25

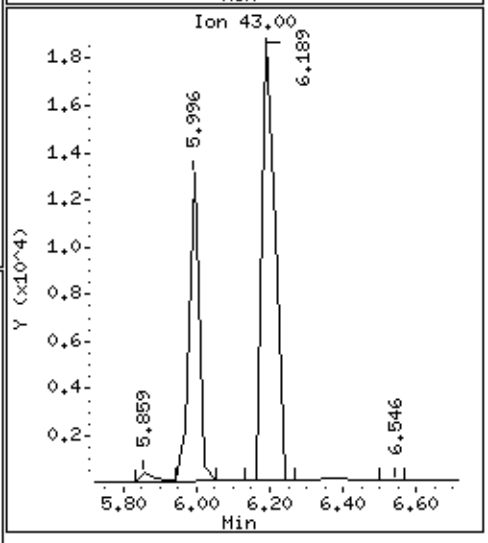
9 Hexane

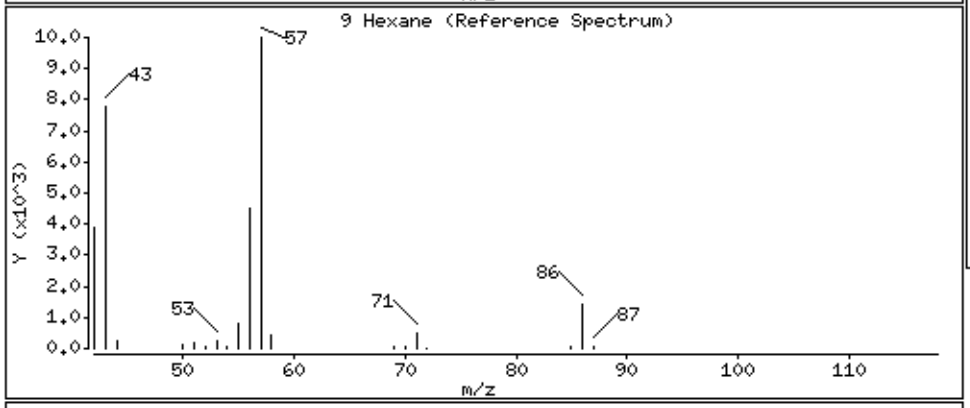
Concentration: 6.88691 ug

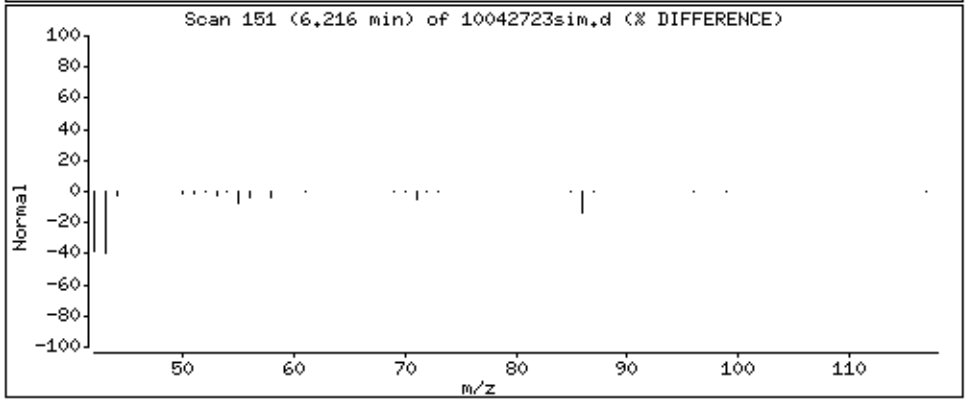












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

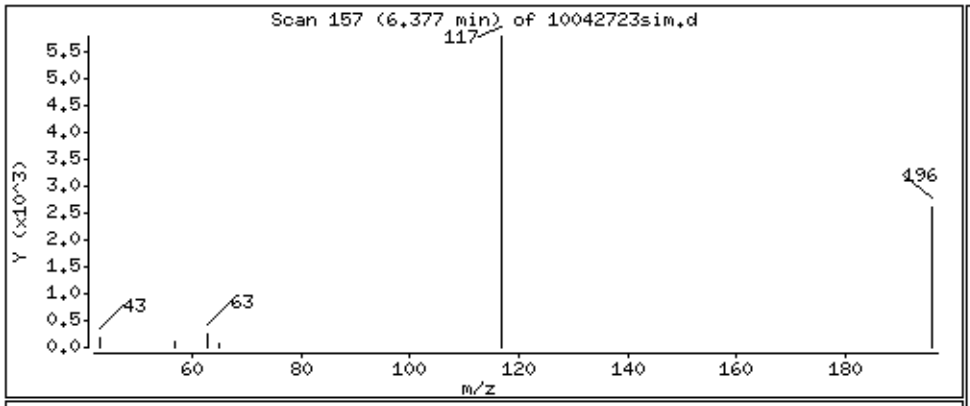
Operator: gm

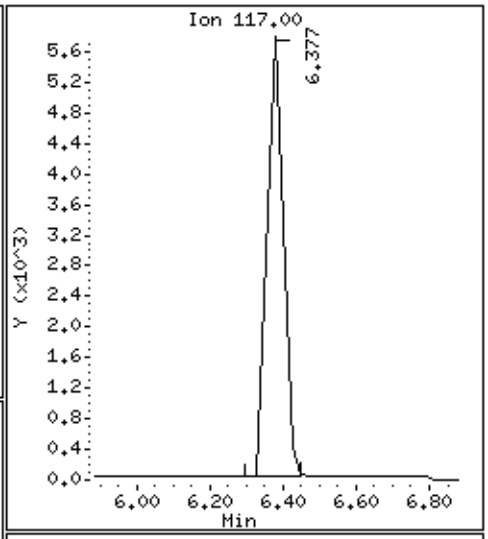
Column phase: DB-5.625

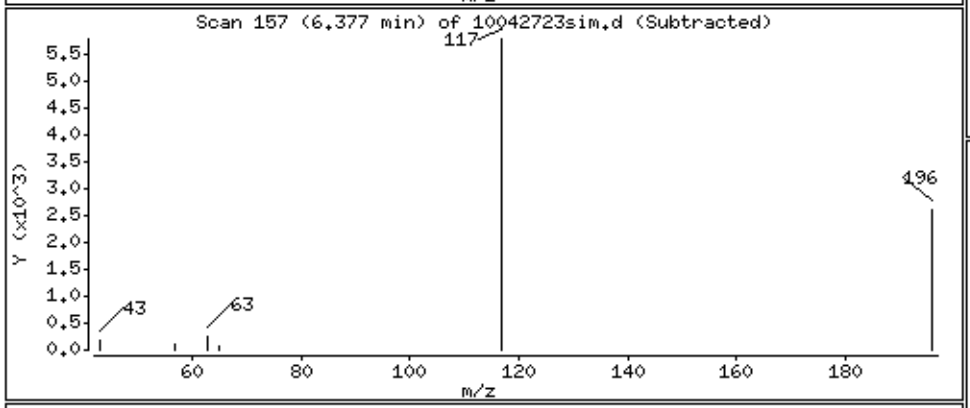
Column diameter: 0.25

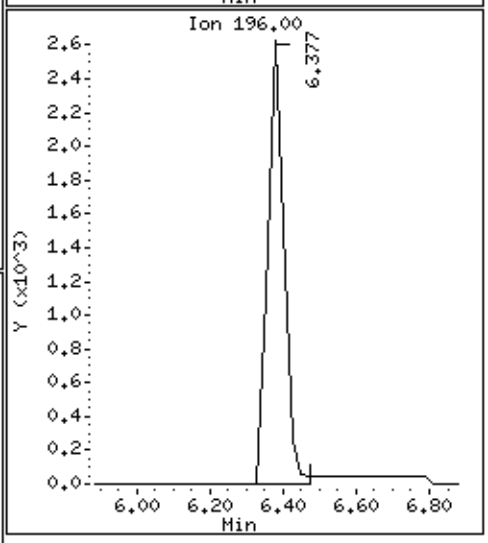
10 Halothane

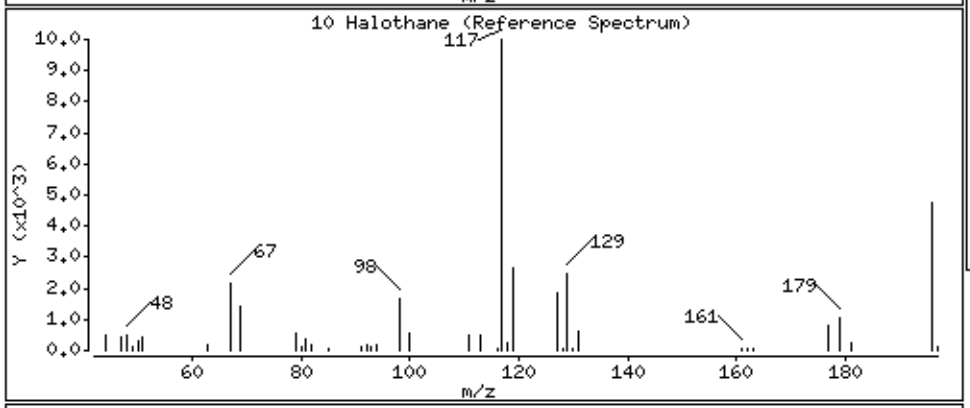
Concentration: 8.47799 ug

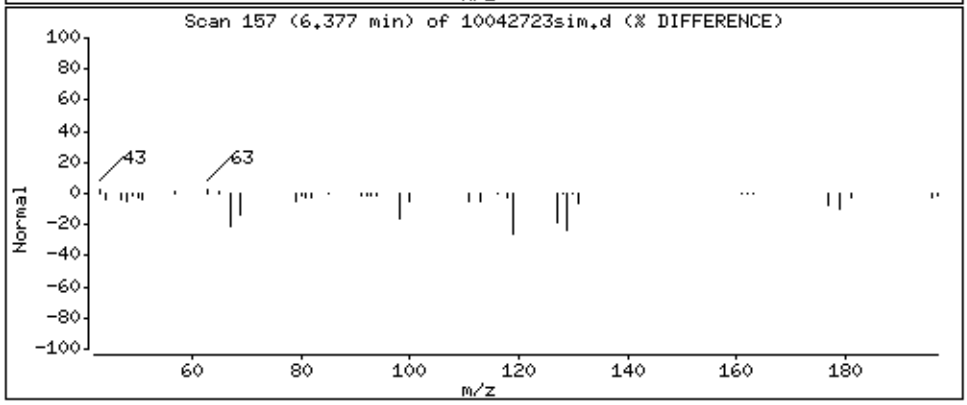












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

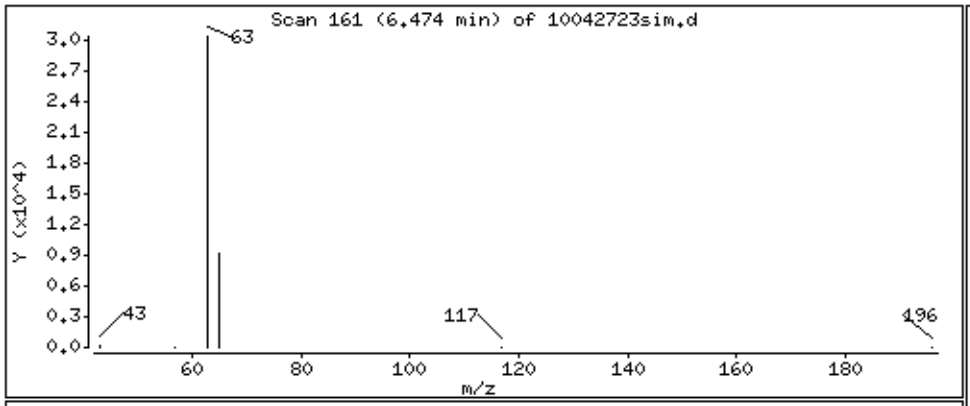
Operator: gm

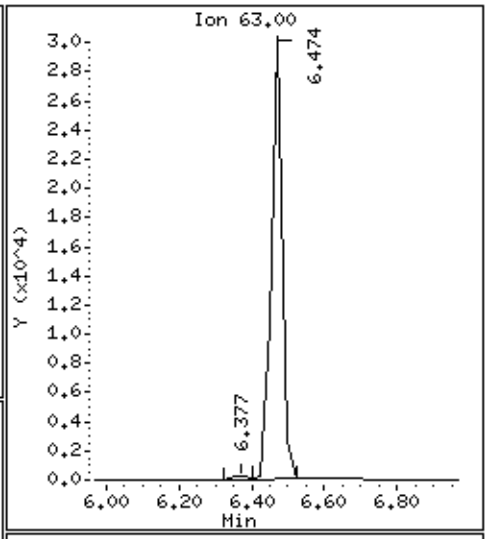
Column phase: DB-5.625

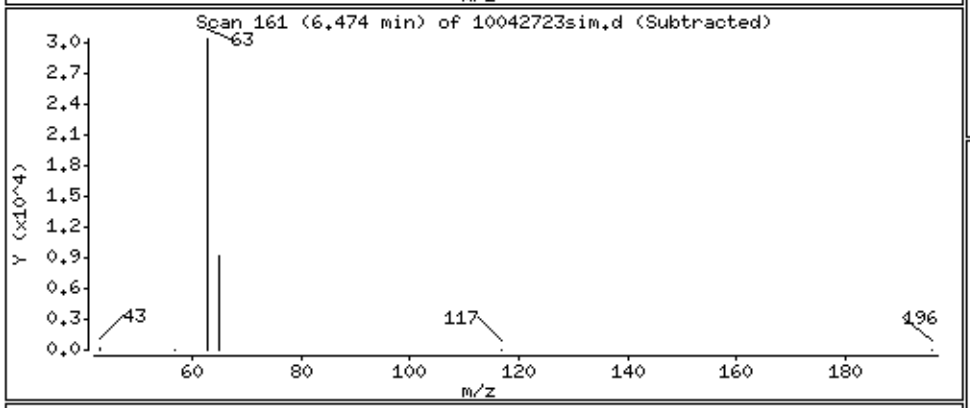
Column diameter: 0.25

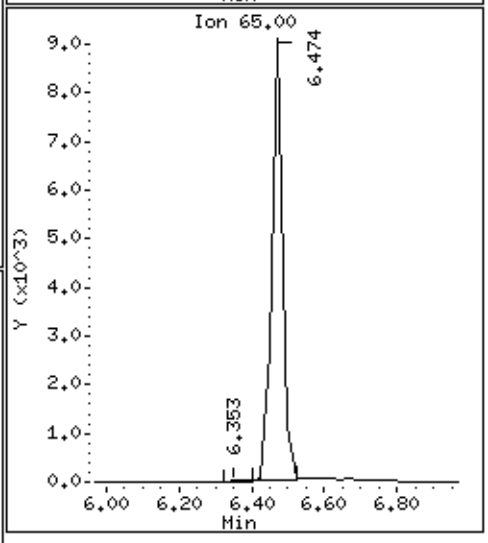
11 1,1-Dichloroethane-SPCC

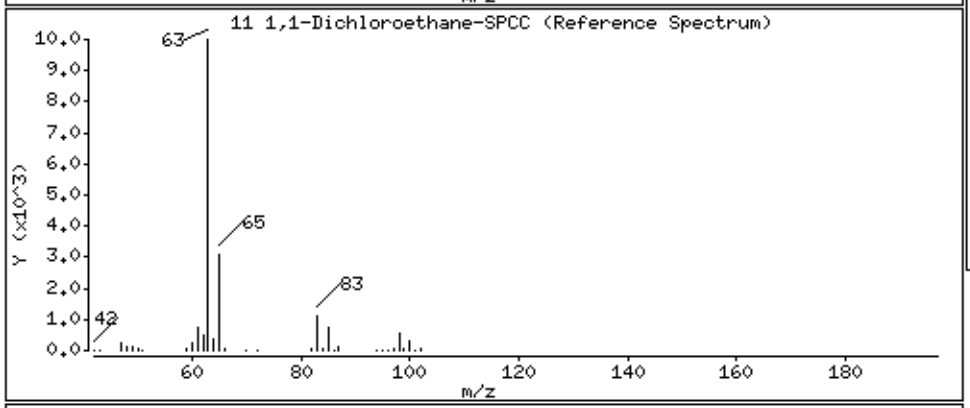
Concentration: 8.46603 ug

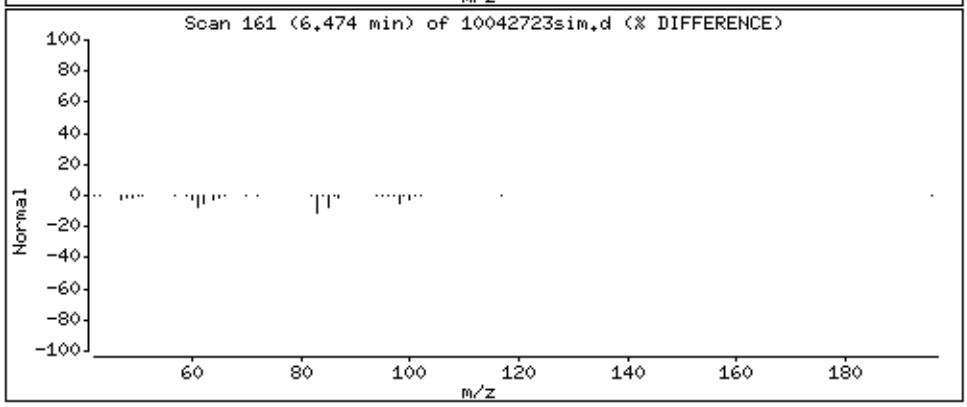












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

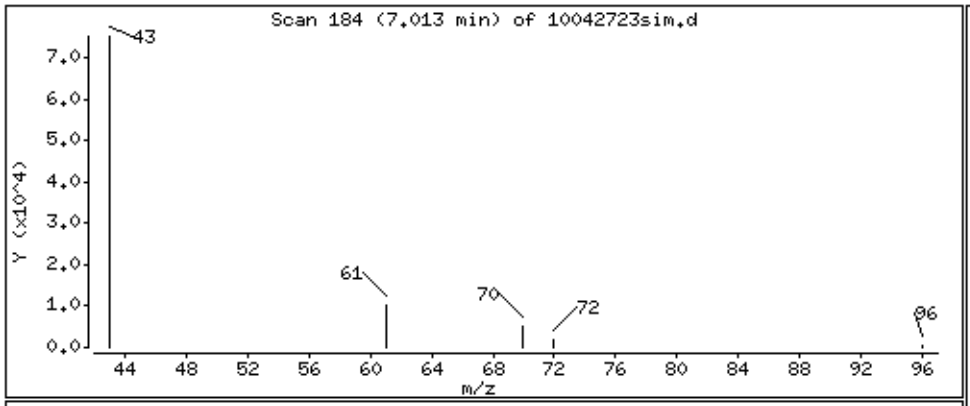
Operator: gm

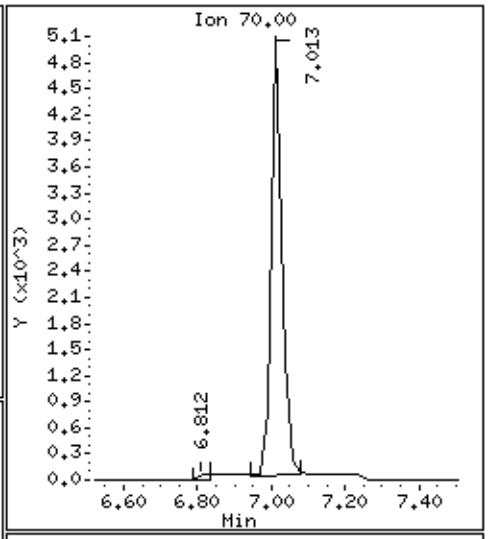
Column phase: DB-5.625

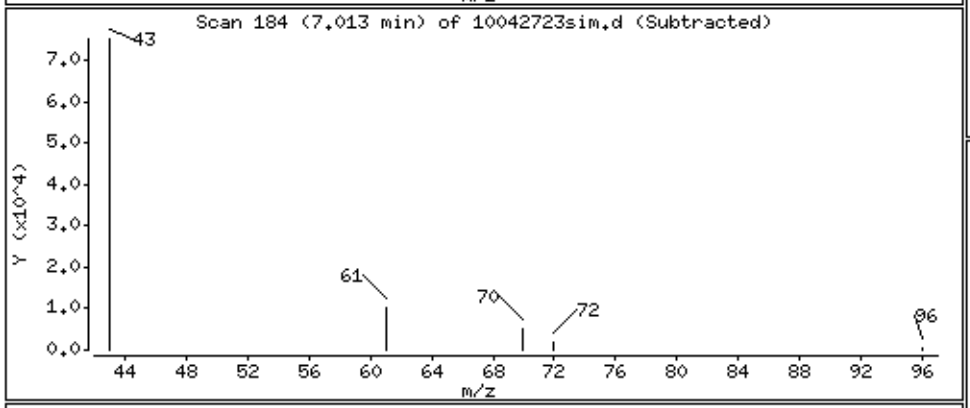
Column diameter: 0.25

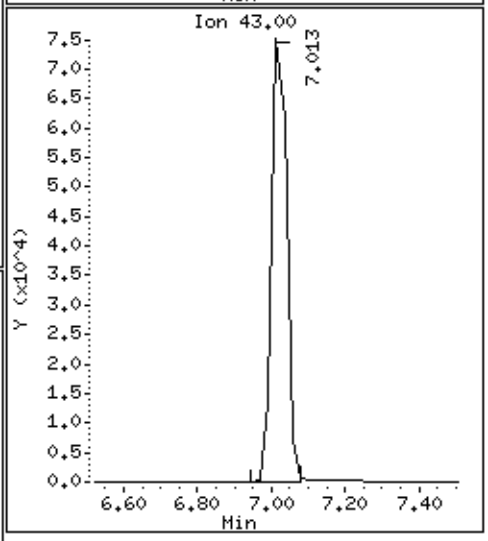
12 Ethyl Acetate

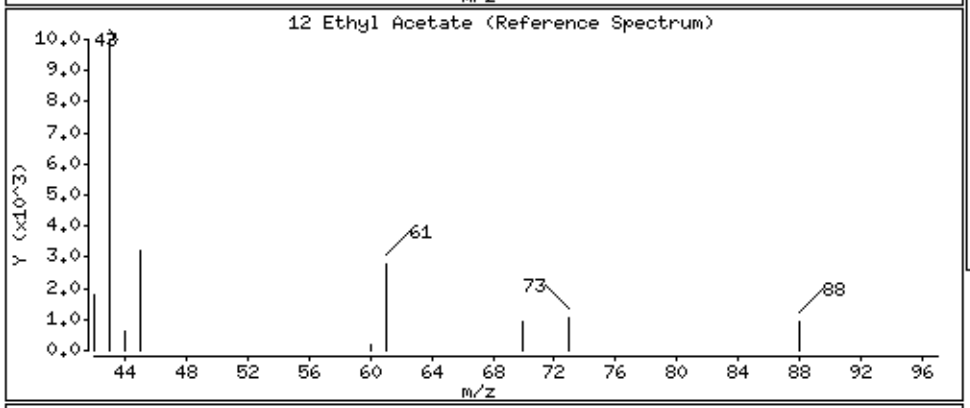
Concentration: 8.26650 ug

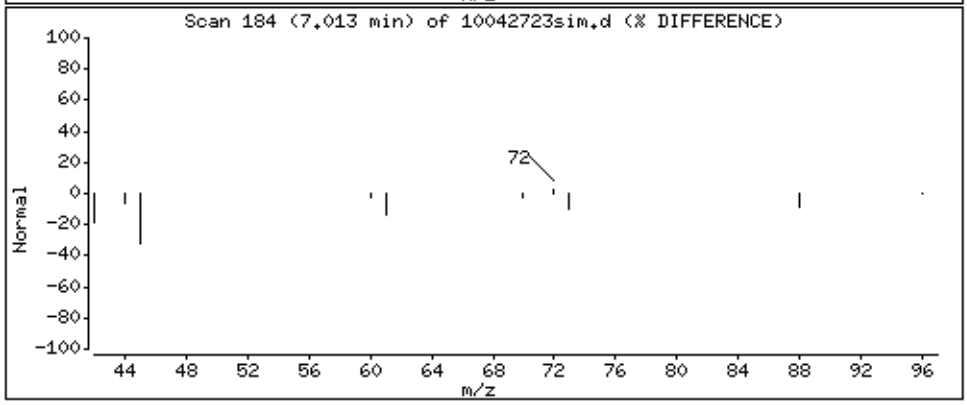












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

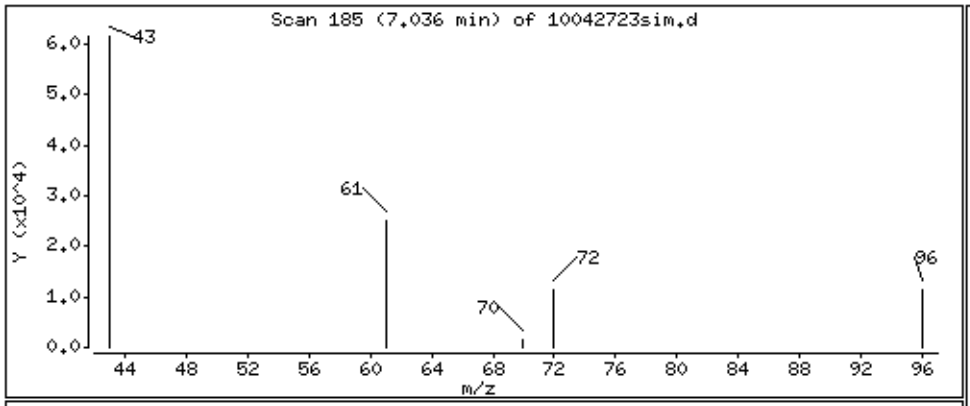
Operator: gm

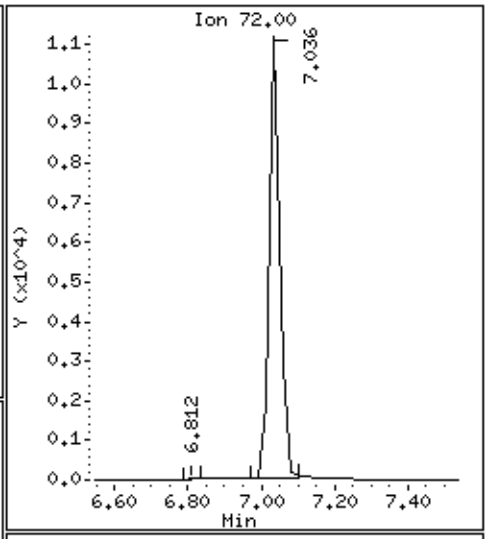
Column phase: DB-5.625

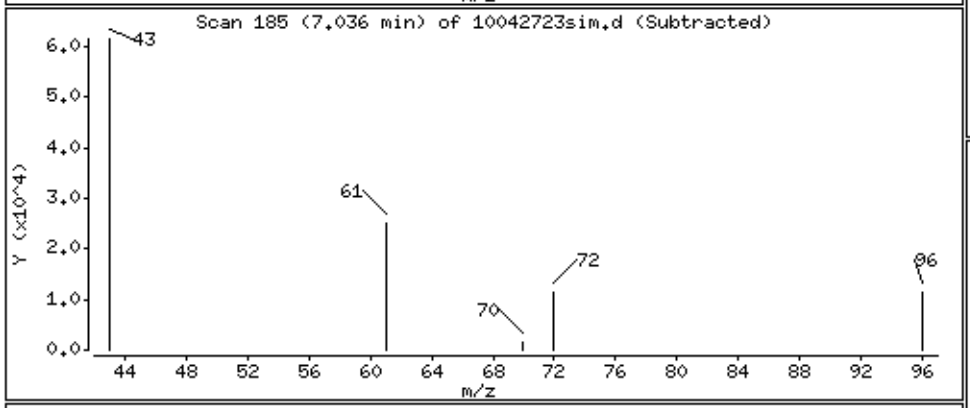
Column diameter: 0.25

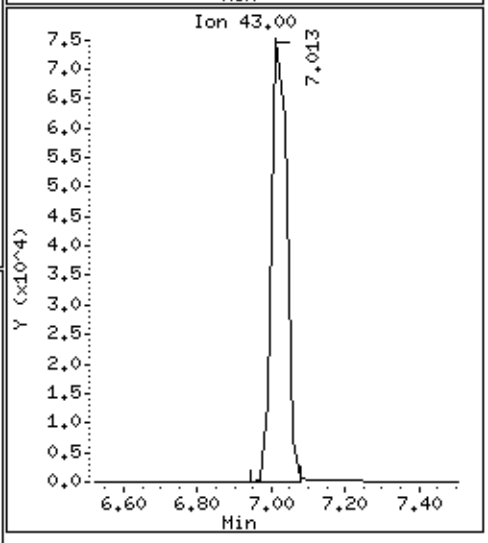
13 2-Butanone

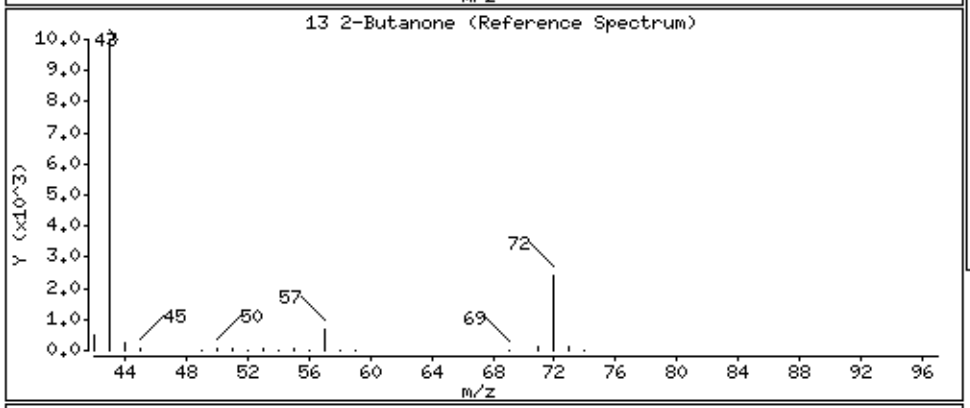
Concentration: 8.12091 ug

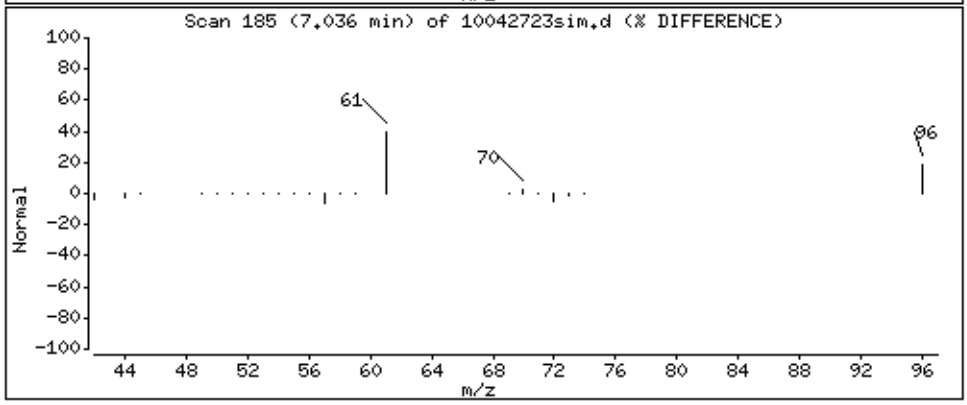












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

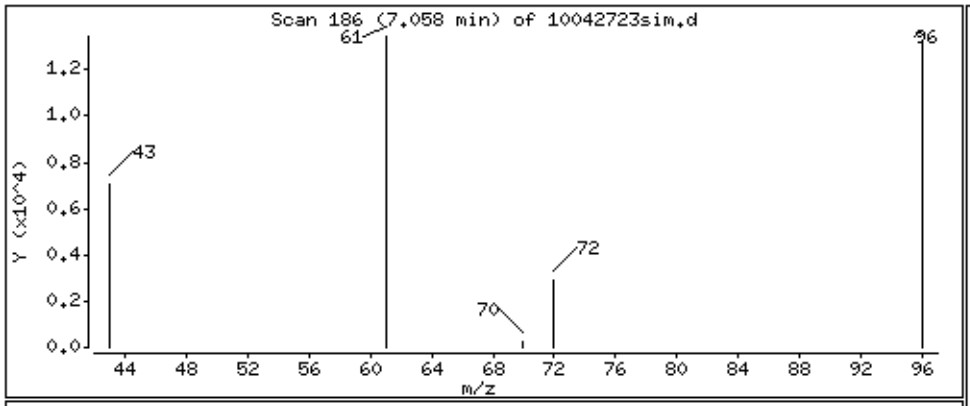
Operator: gm

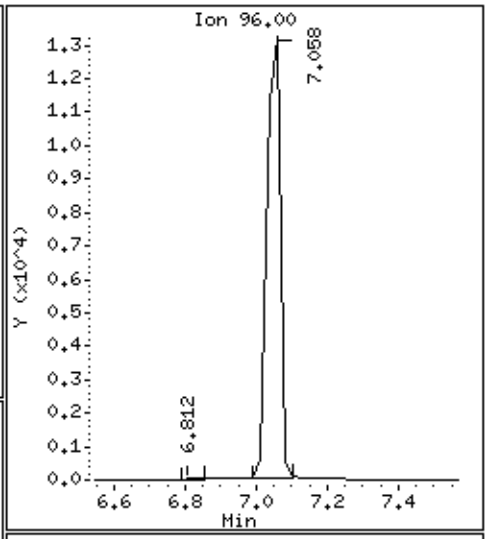
Column phase: DB-5.625

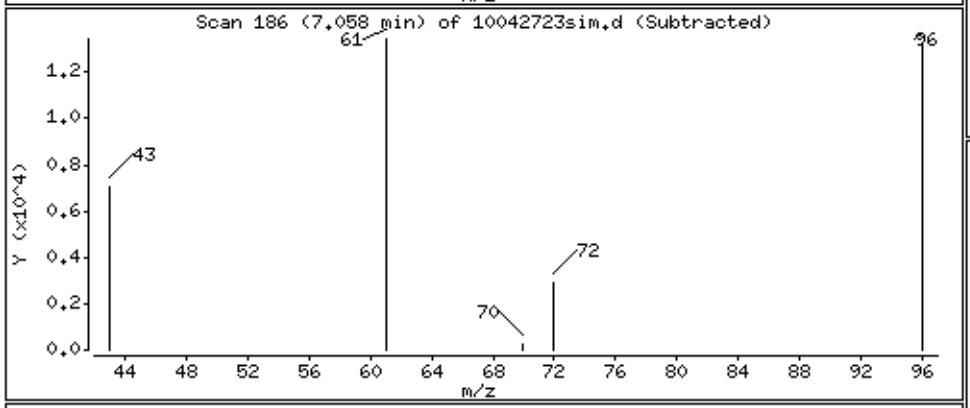
Column diameter: 0.25

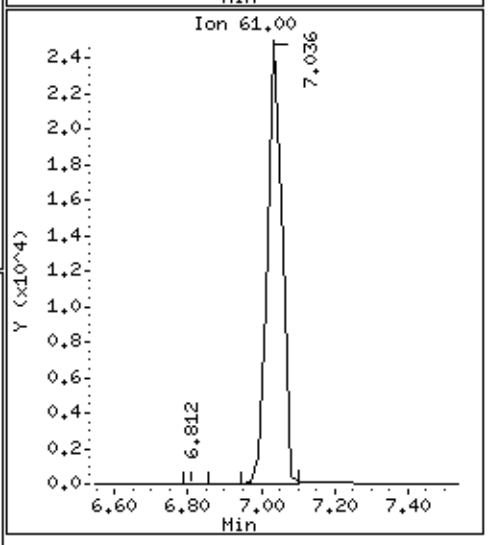
14 cis-1,2-Dichloroethene

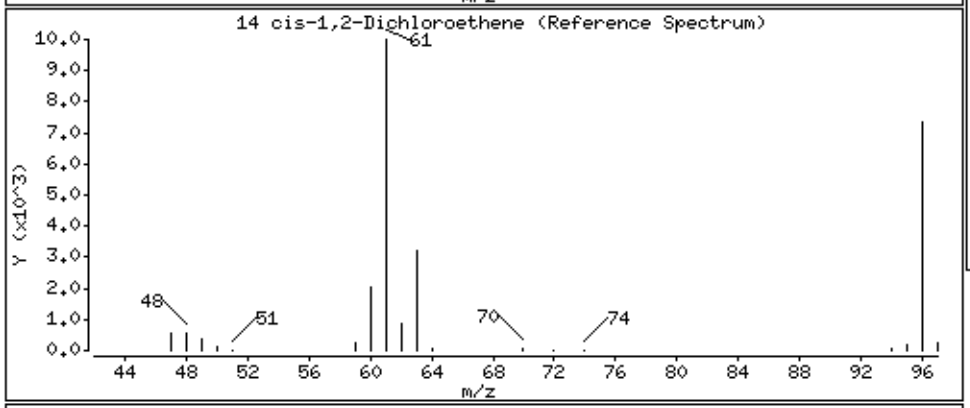
Concentration: 8.33981 ug

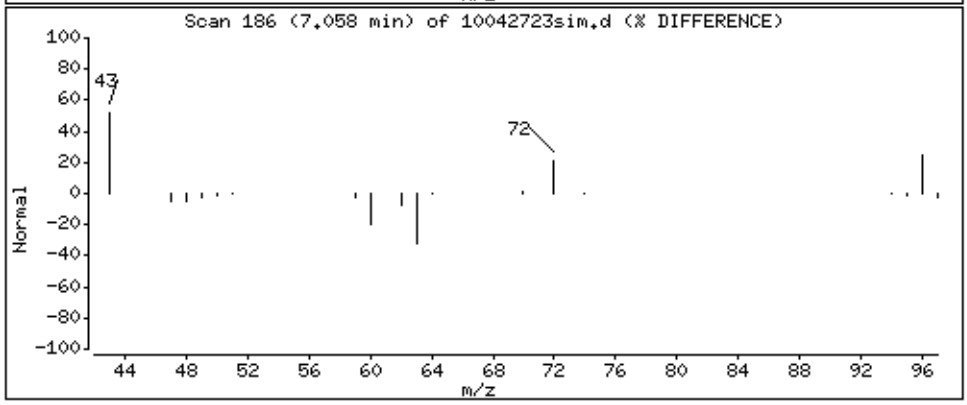












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

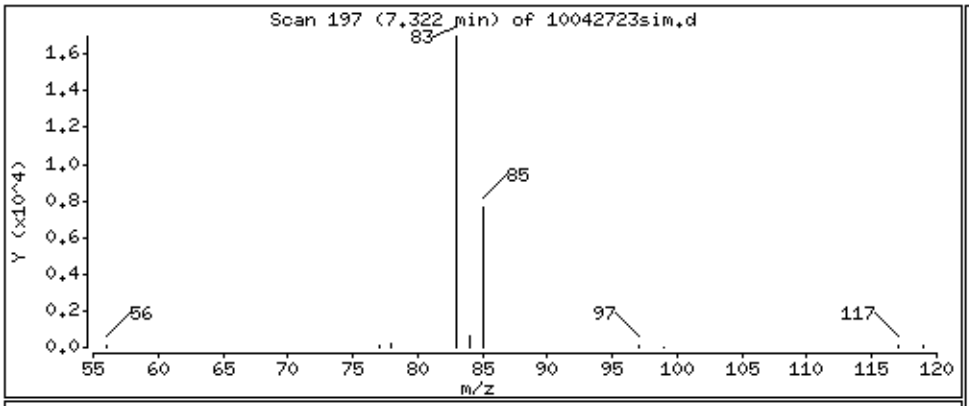
Operator: gm

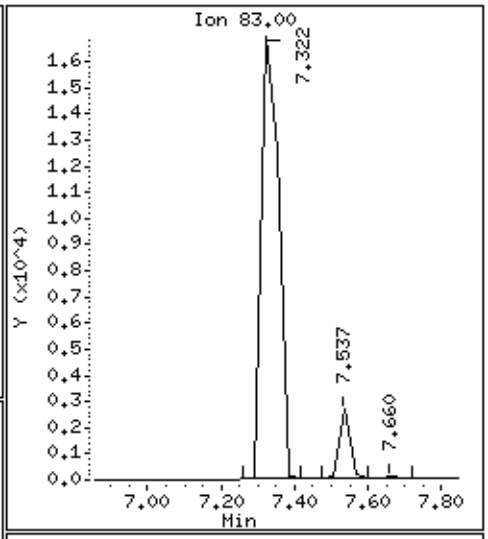
Column phase: DB-5.625

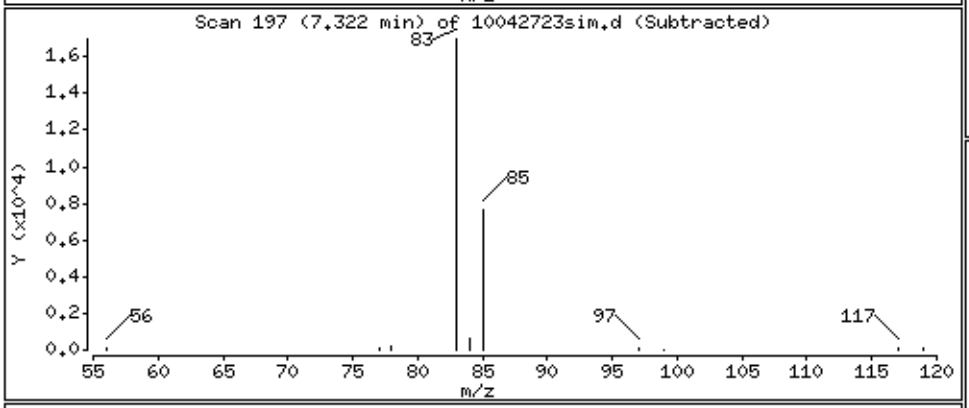
Column diameter: 0.25

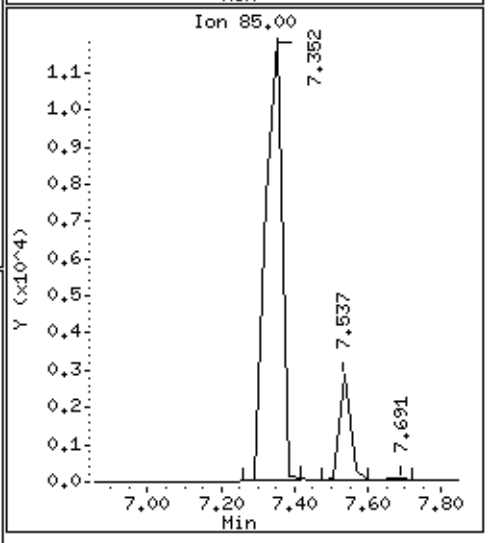
15 Chloroform-CCC

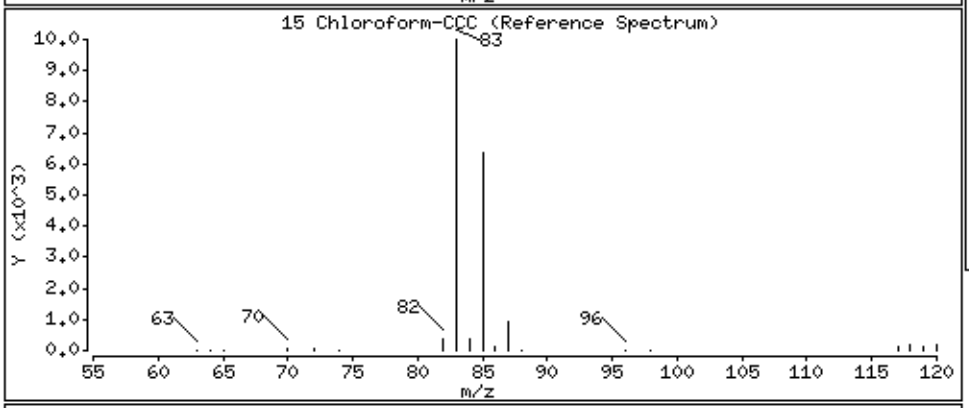
Concentration: 8.07006 ug

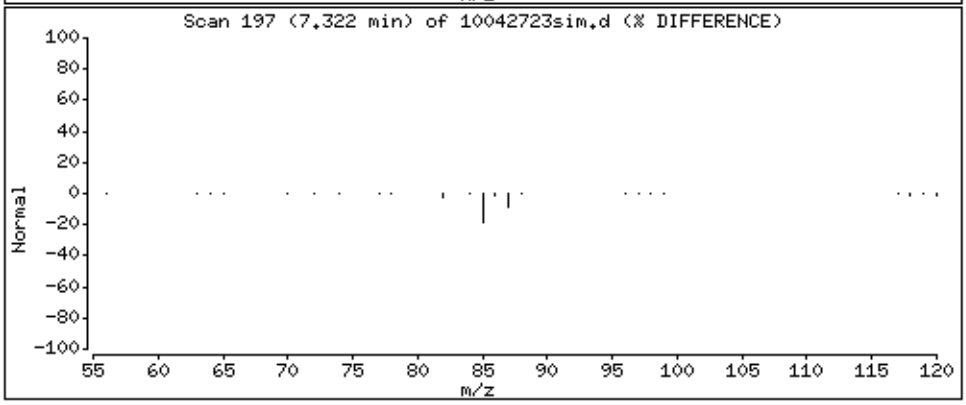












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

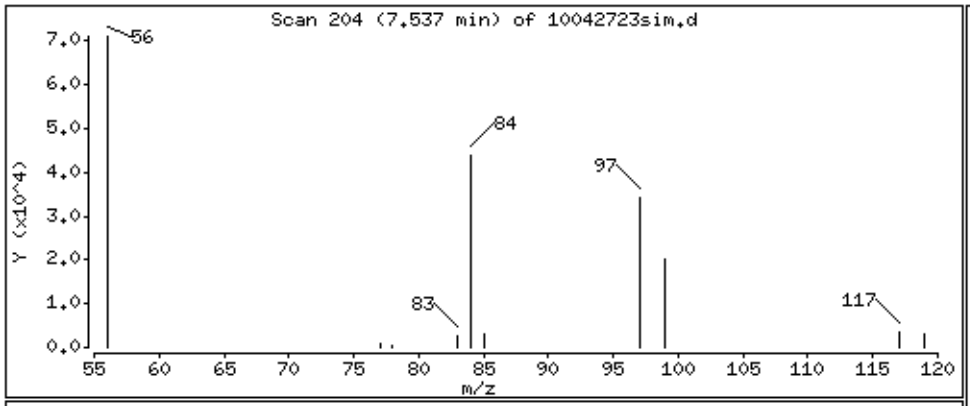
Operator: gm

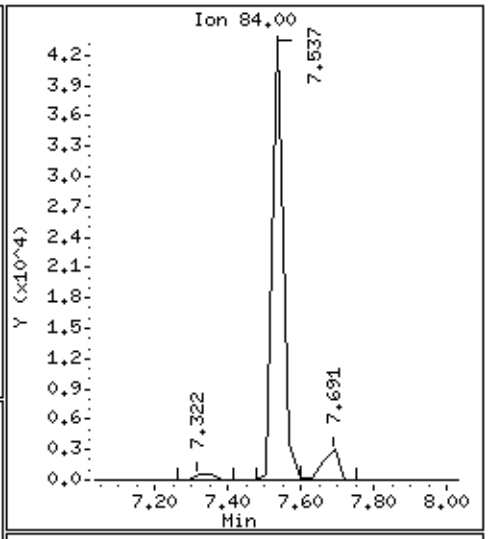
Column phase: DB-5.625

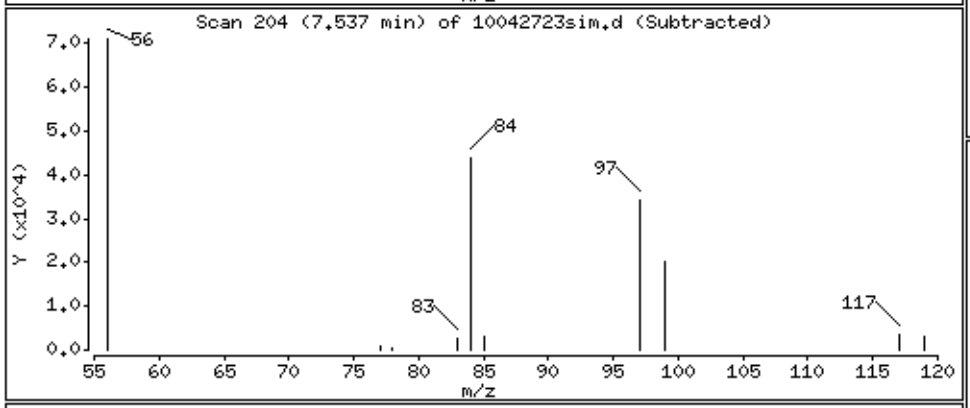
Column diameter: 0.25

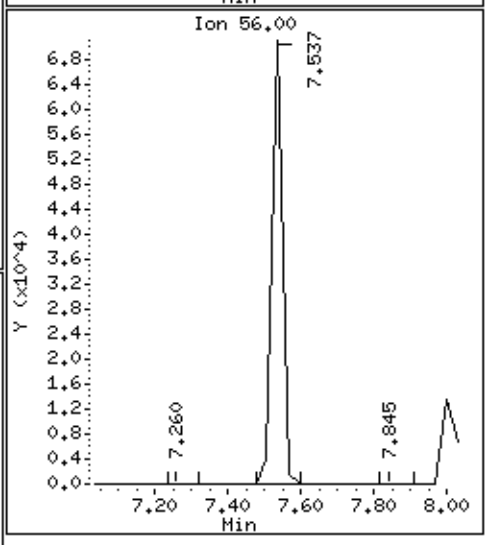
16 Cyclohexane

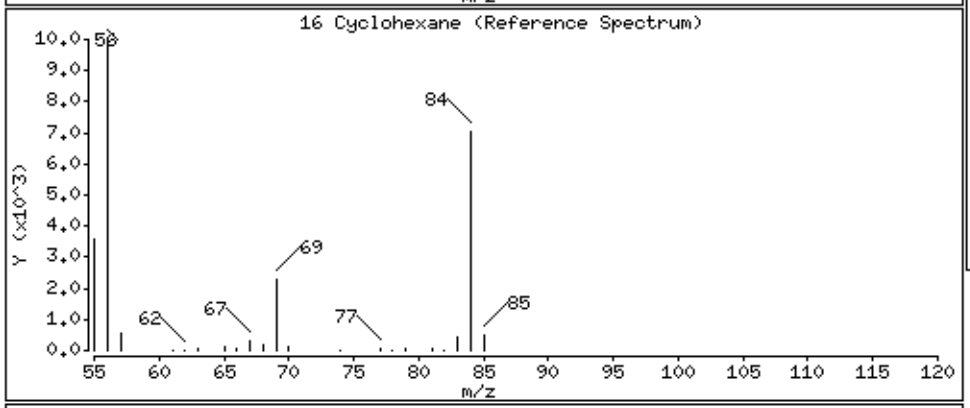
Concentration: 9.42172 ug

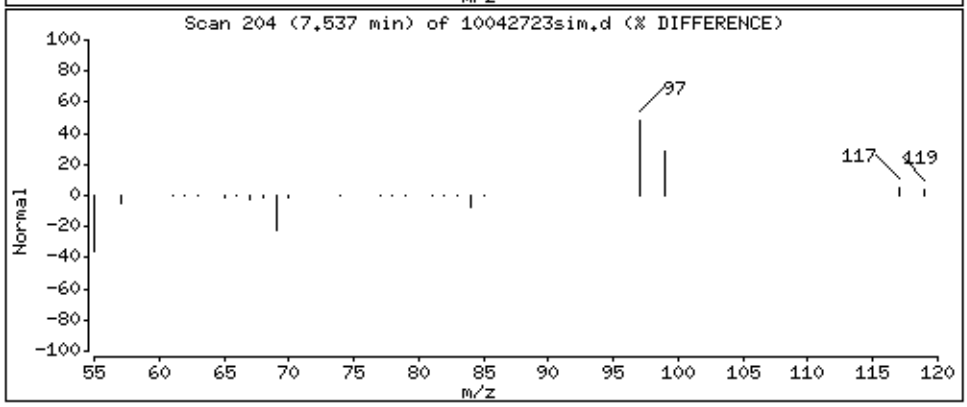












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

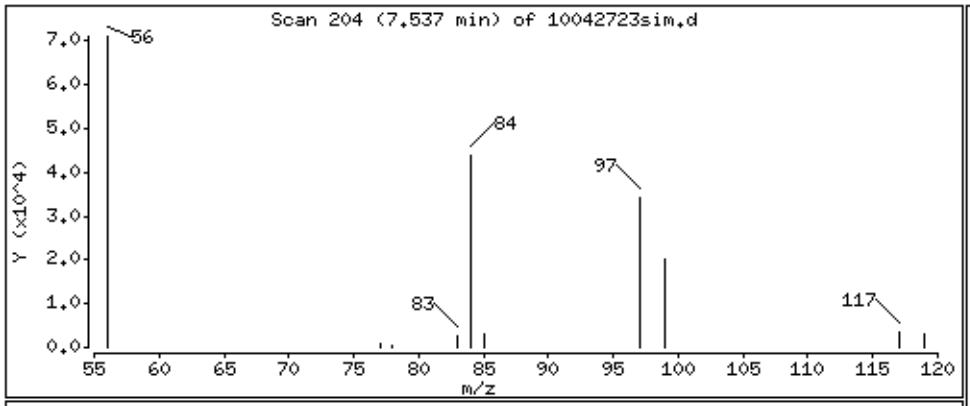
Operator: gm

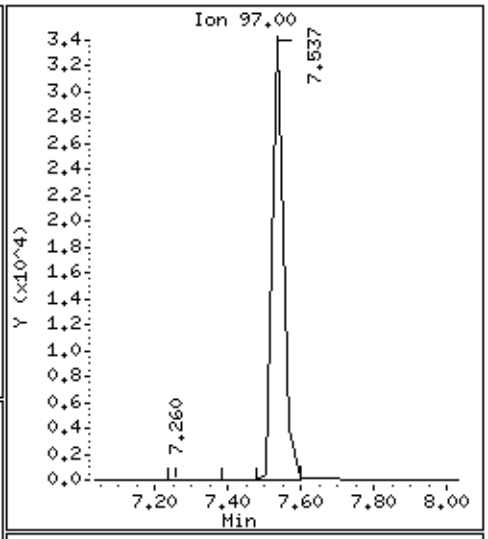
Column phase: DB-5.625

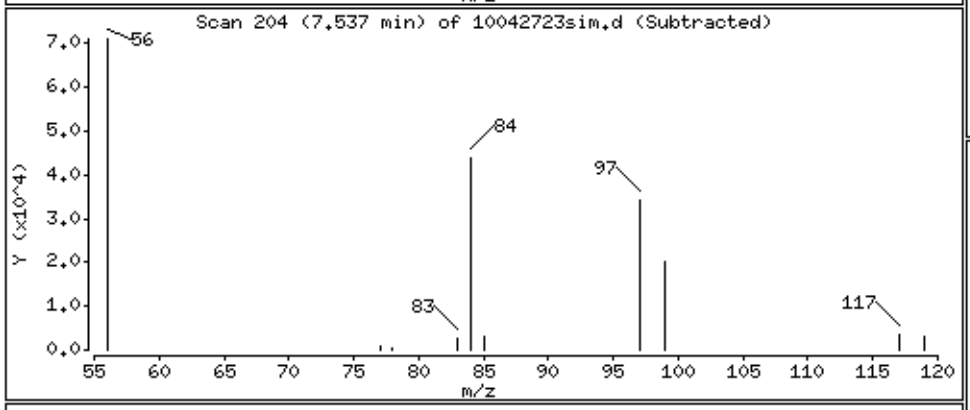
Column diameter: 0.25

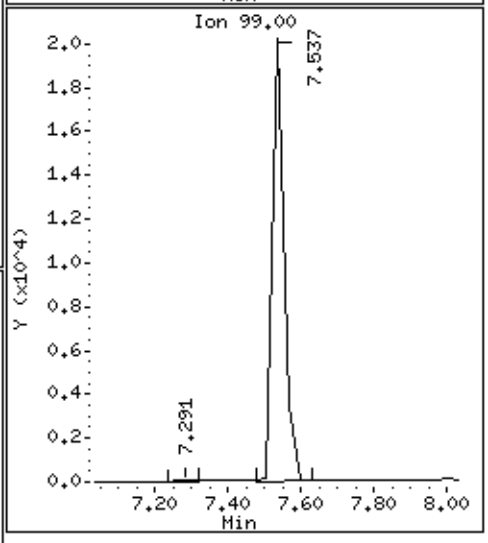
17 1,1,1-Trichloroethane

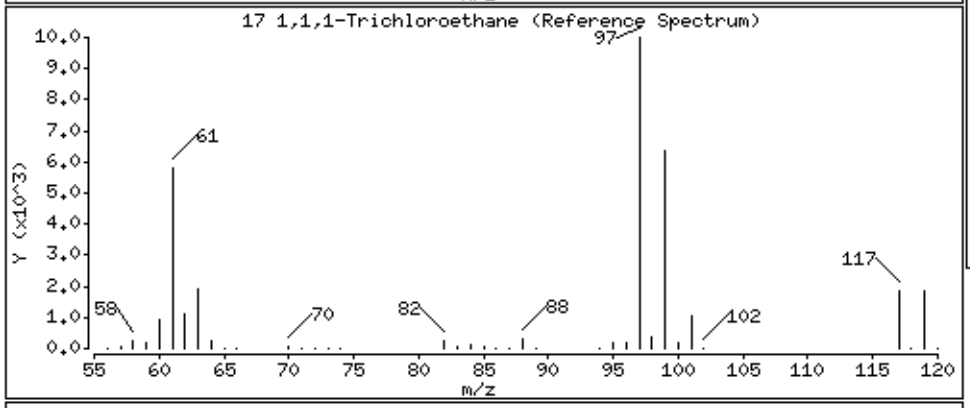
Concentration: 8.64825 ug

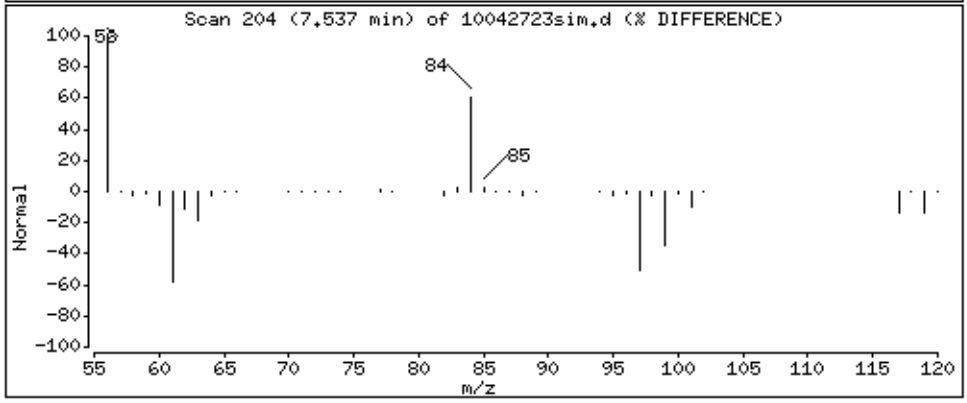












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

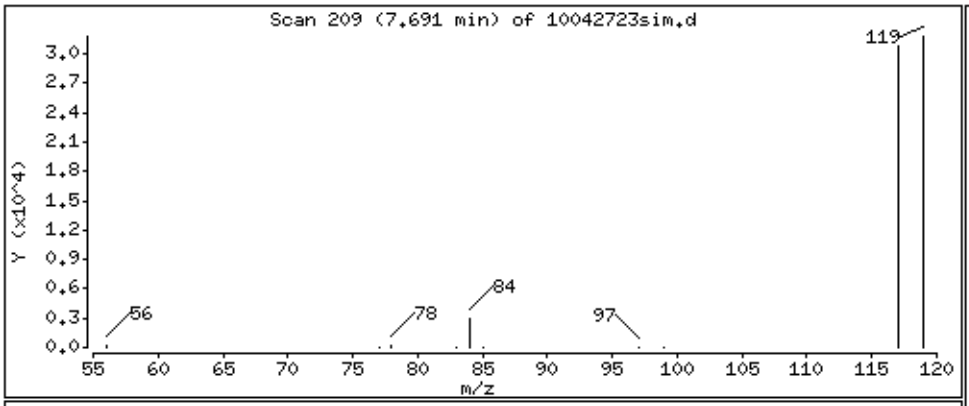
Operator: gm

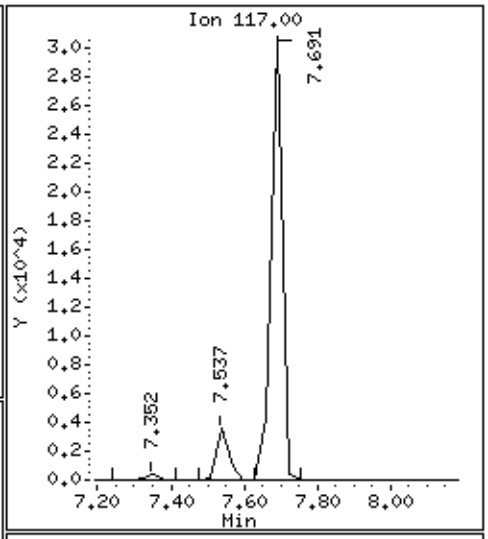
Column phase: DB-5.625

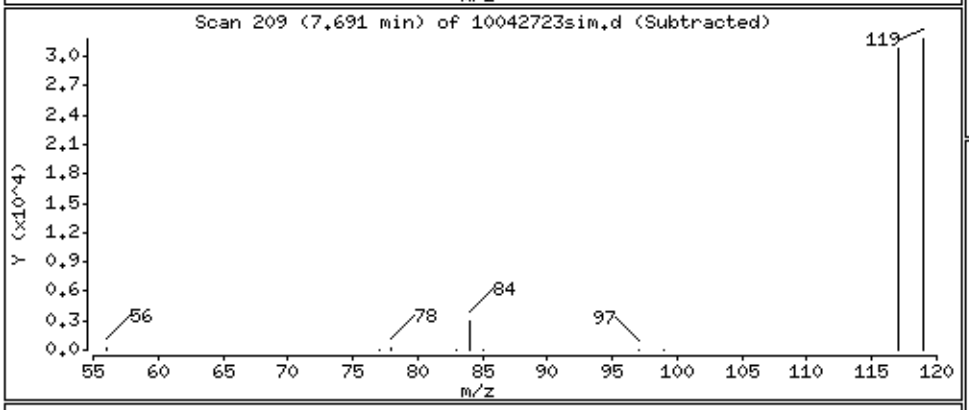
Column diameter: 0.25

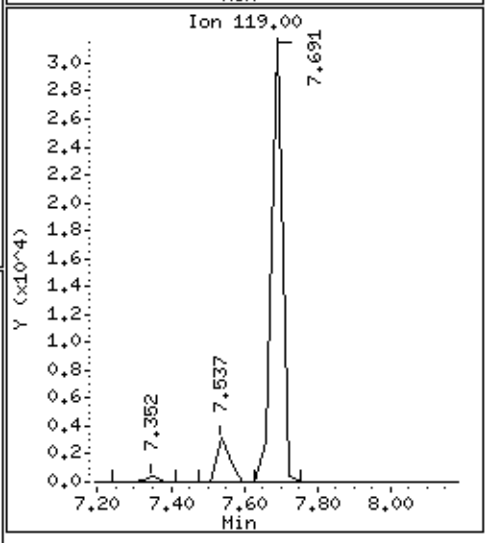
18 Carbon Tetrachloride

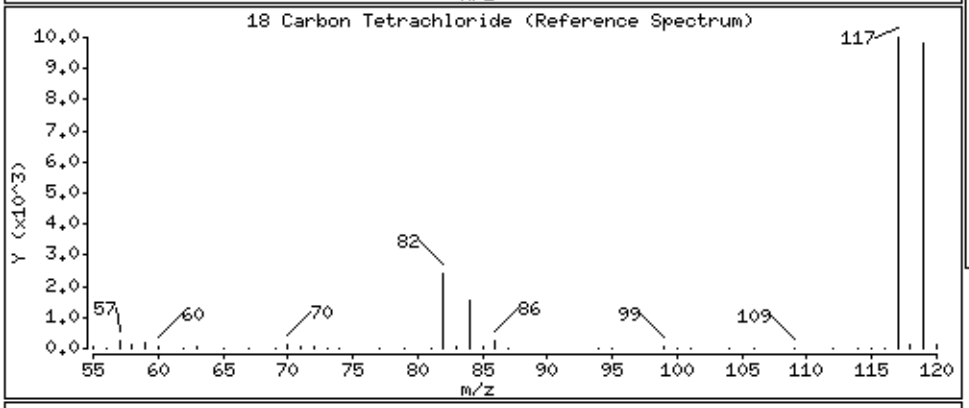
Concentration: 8.85484 ug

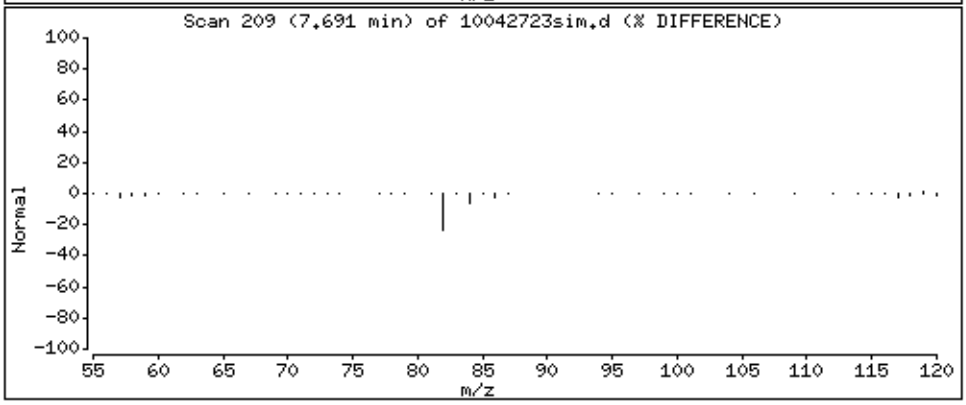












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

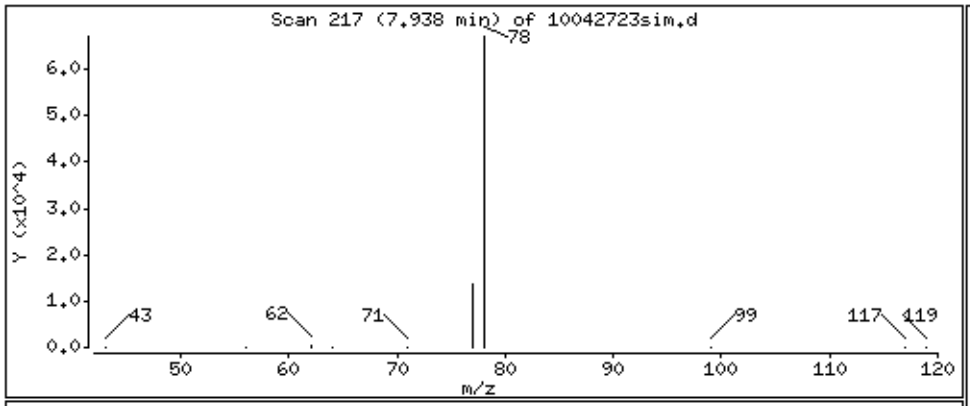
Operator: gm

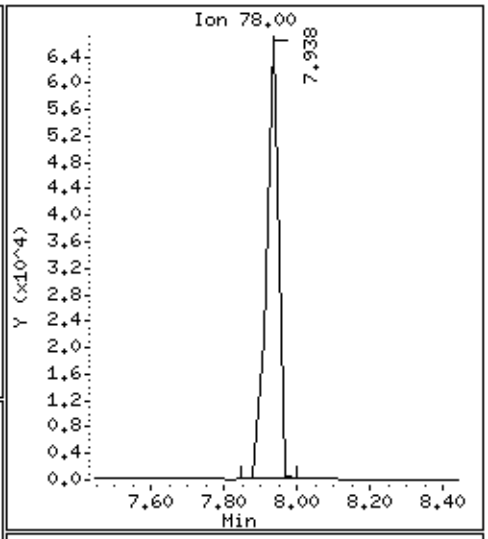
Column phase: DB-5.625

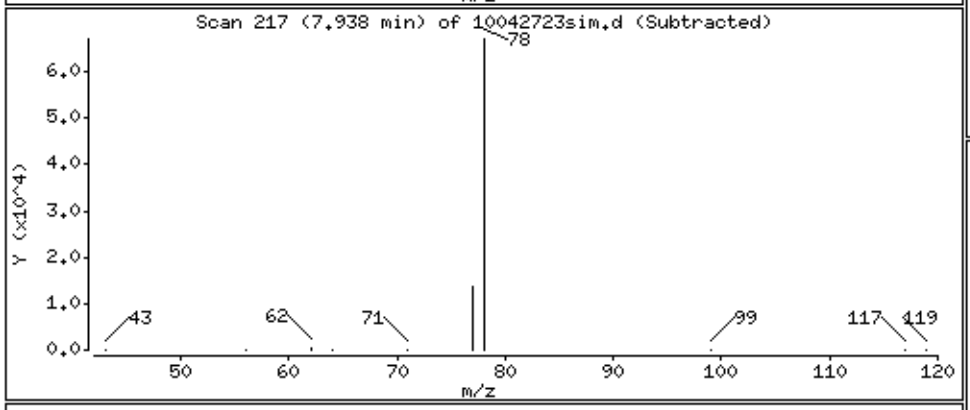
Column diameter: 0.25

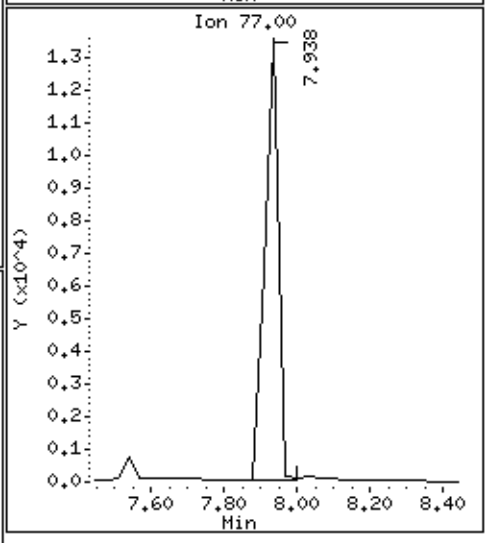
19 Benzene

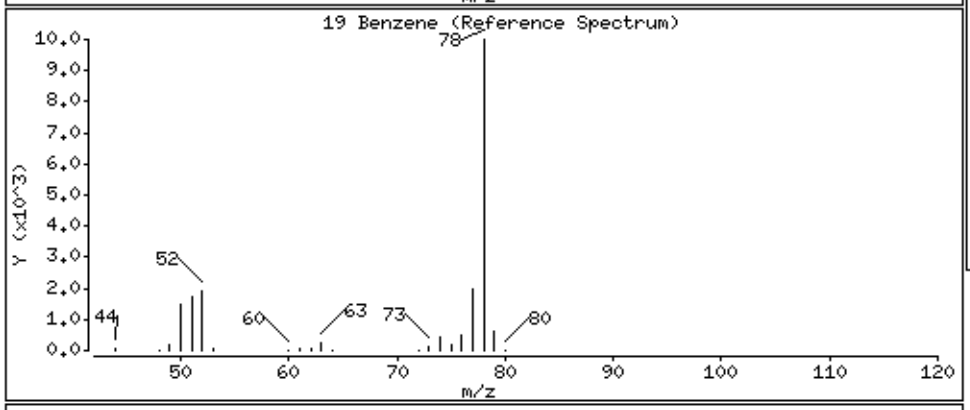
Concentration: 8.68178 ug

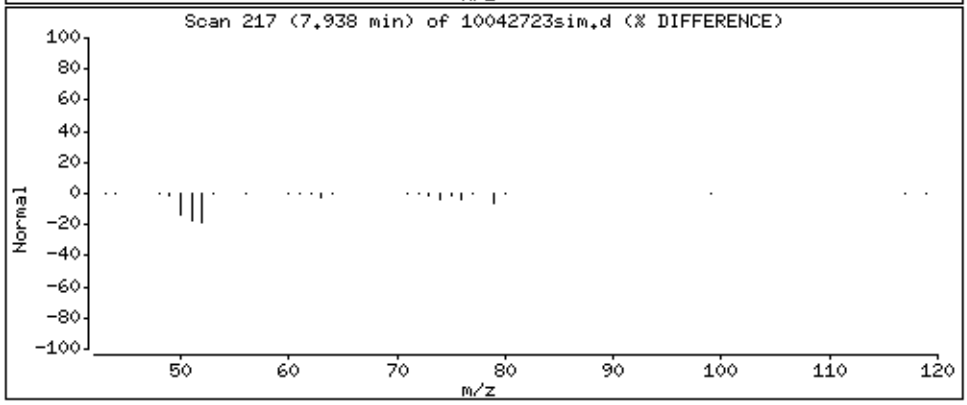












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

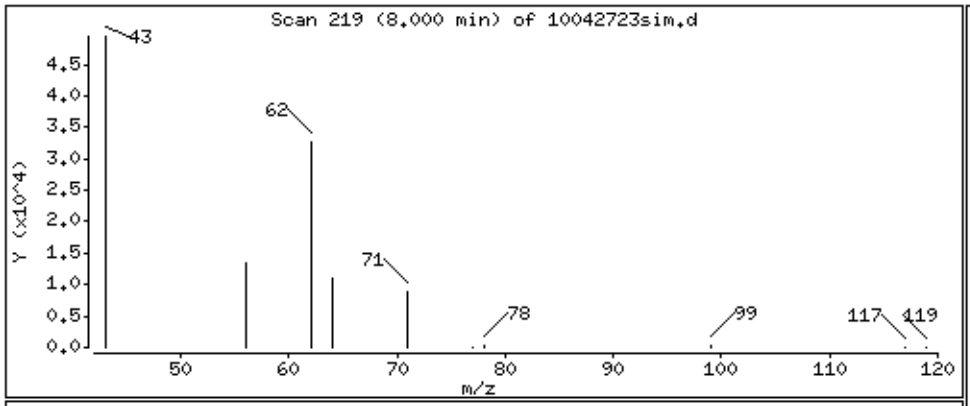
Operator: gm

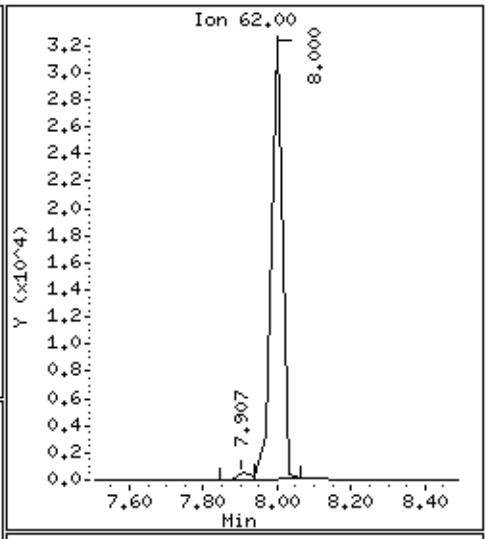
Column phase: DB-5.625

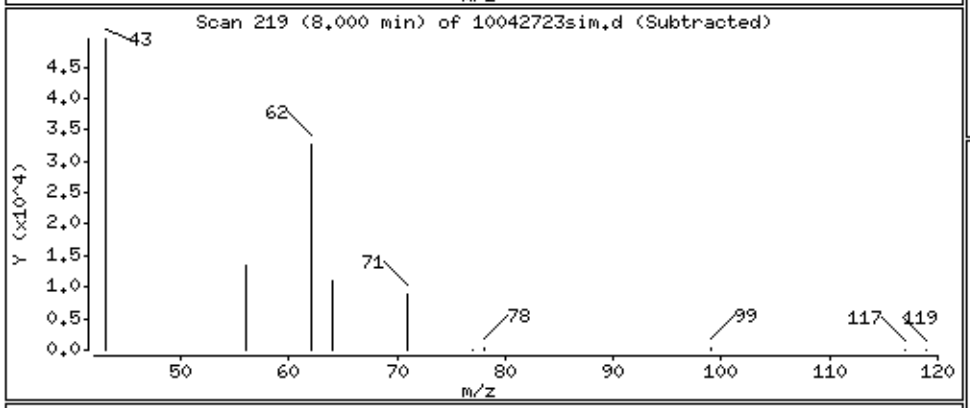
Column diameter: 0.25

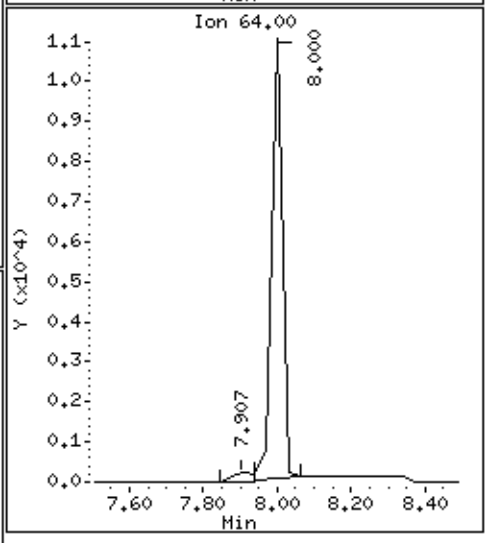
20 1,2-Dichloroethane

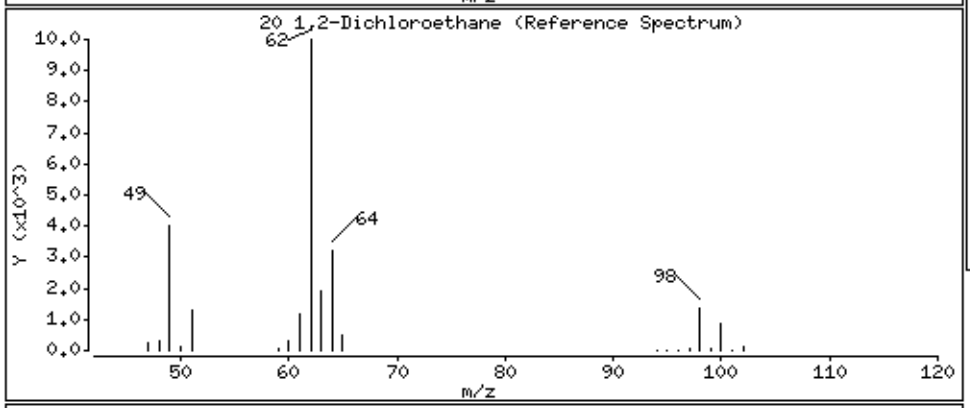
Concentration: 8.36792 ug

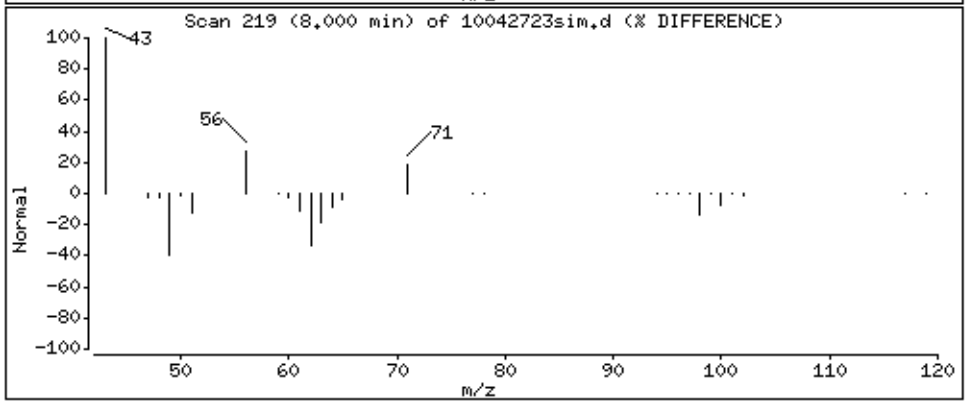












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

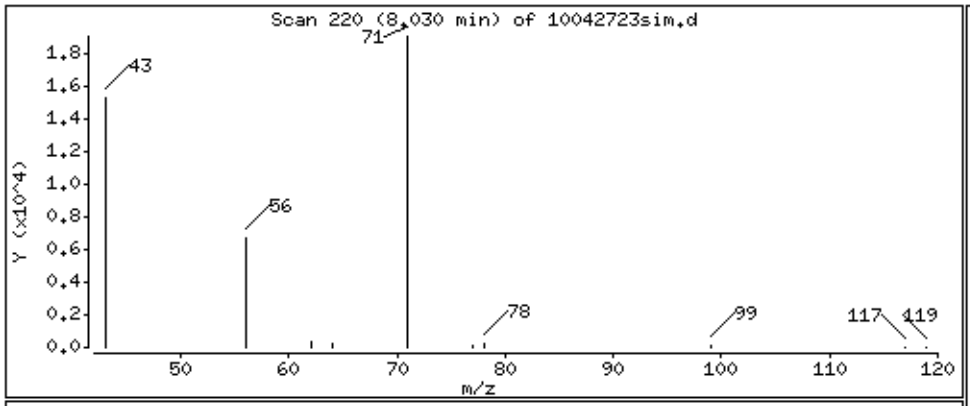
Operator: gm

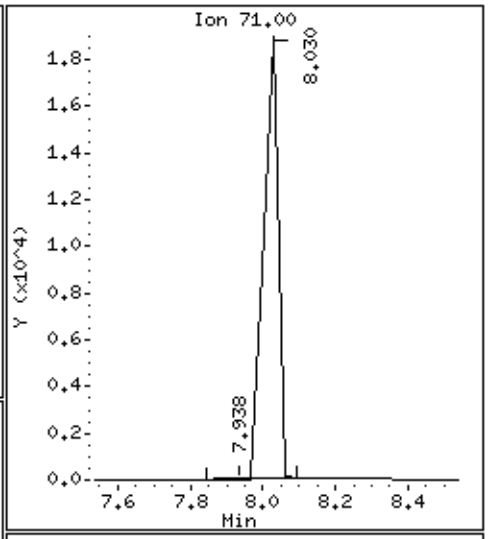
Column phase: DB-5.625

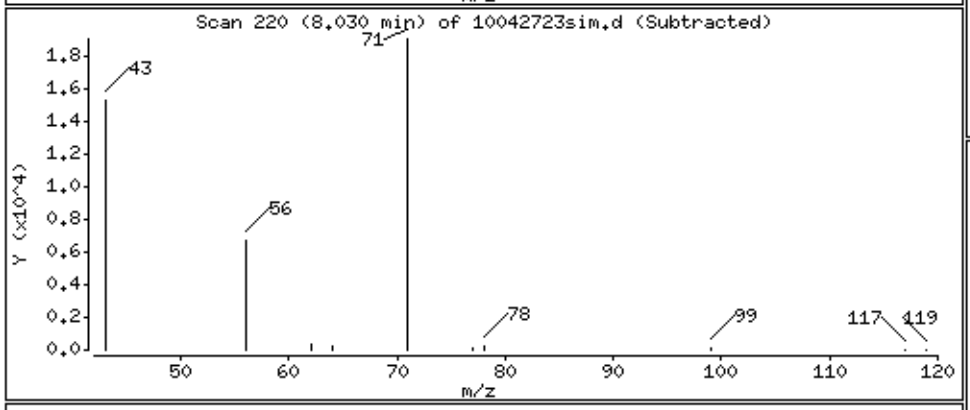
Column diameter: 0.25

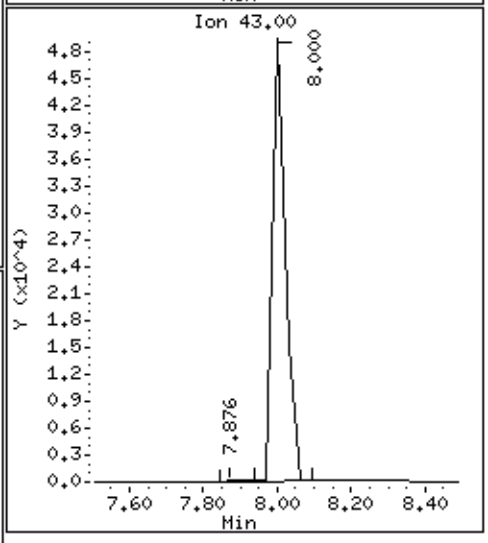
21 Heptane

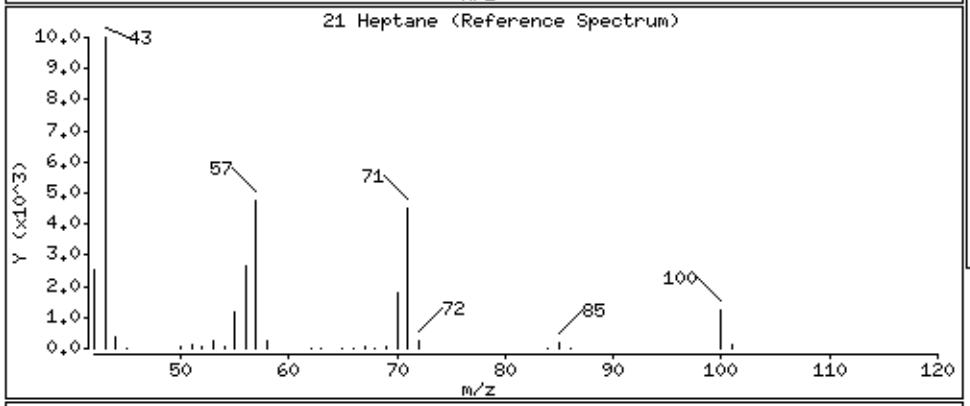
Concentration: 9.24257 ug

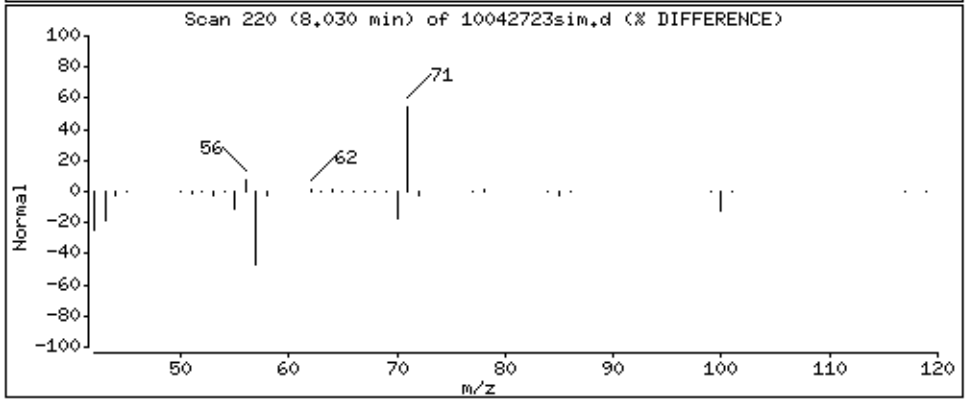












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

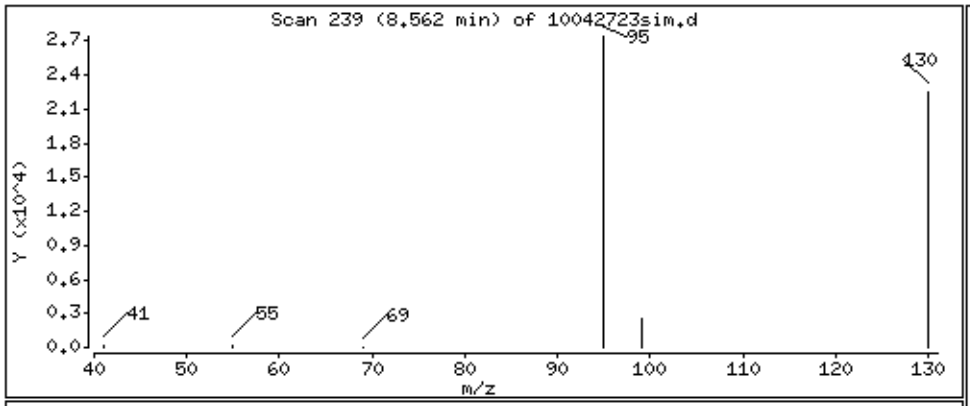
Operator: gm

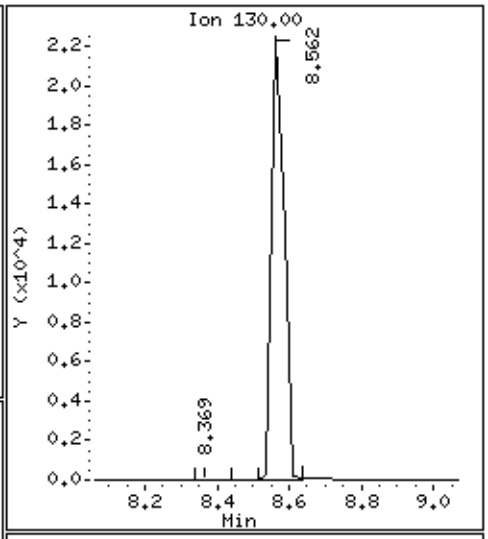
Column phase: DB-5.625

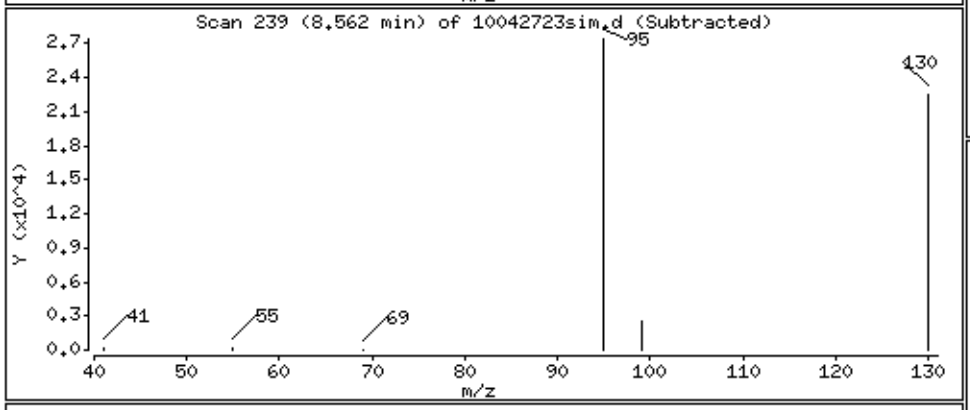
Column diameter: 0.25

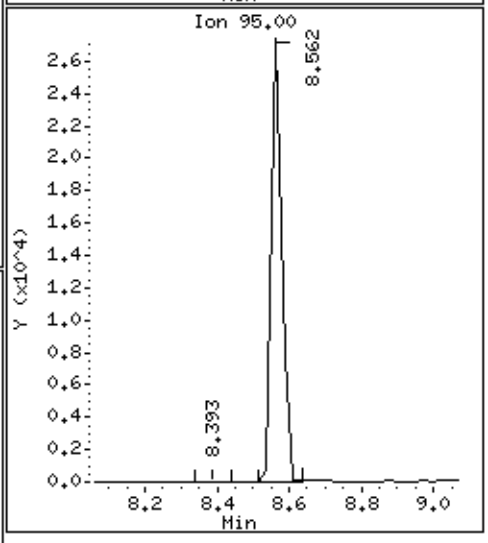
22 Trichloroethene

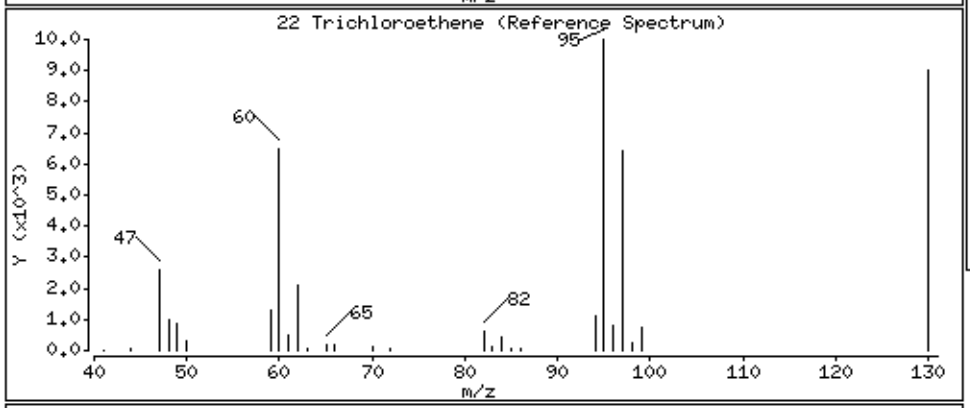
Concentration: 8.72051 ug

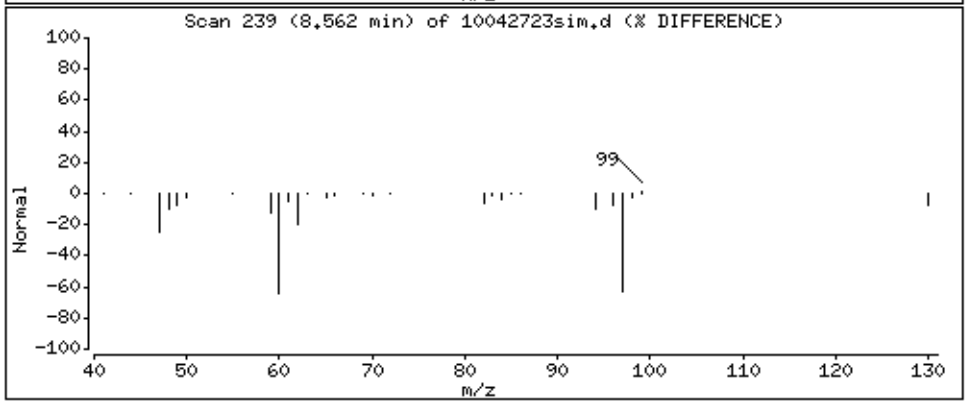












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

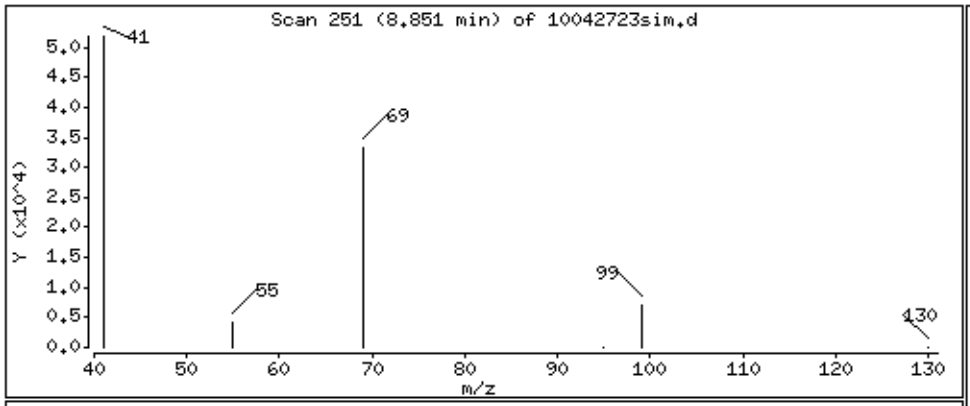
Operator: gm

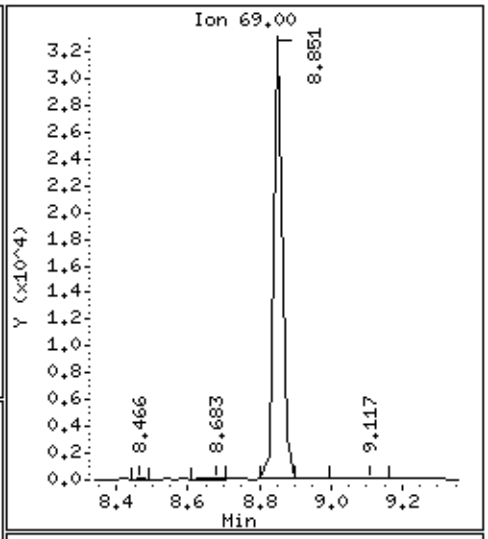
Column phase: DB-5.625

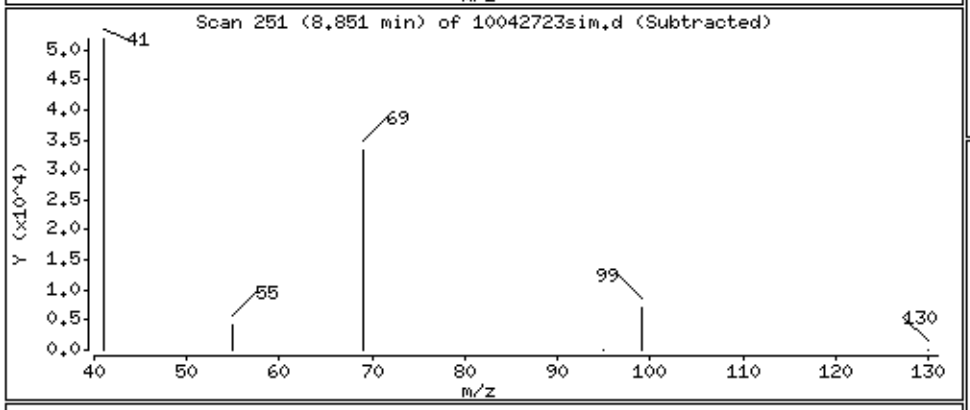
Column diameter: 0.25

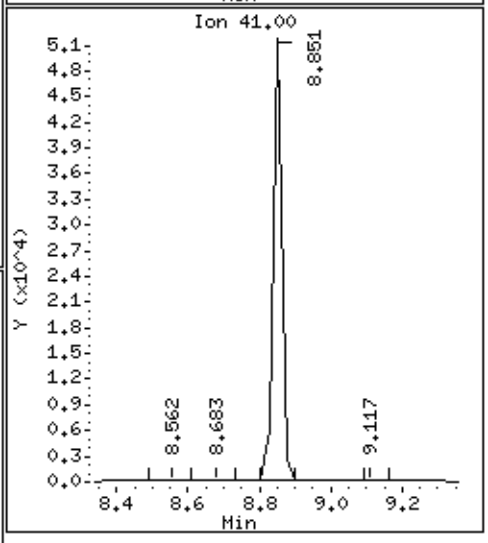
24 Methyl Methacrylate

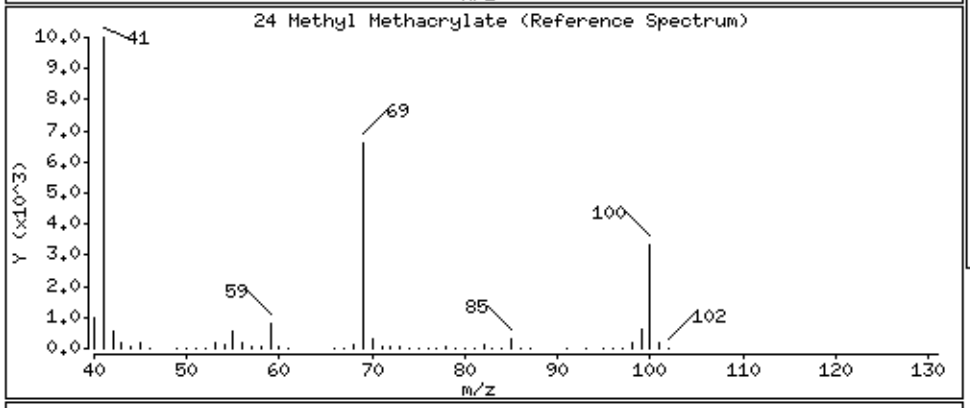
Concentration: 8.91822 ug

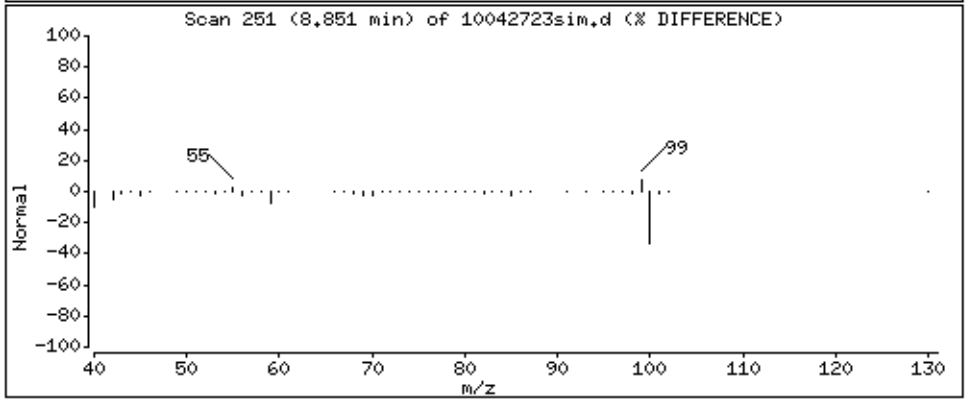












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

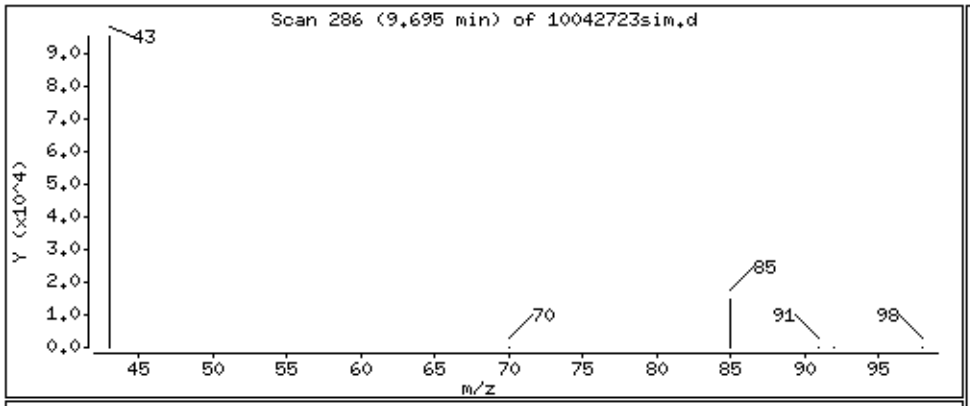
Operator: gm

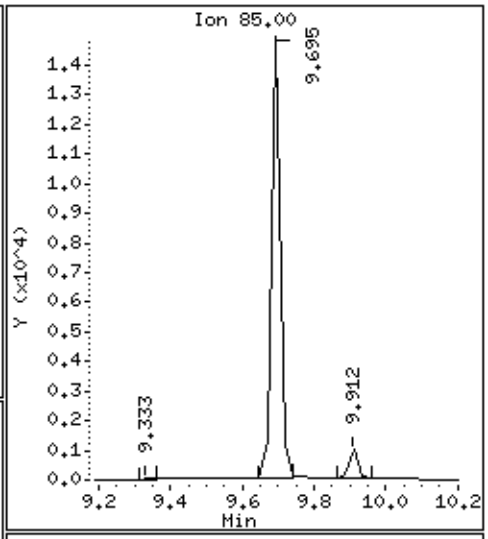
Column phase: DB-5.625

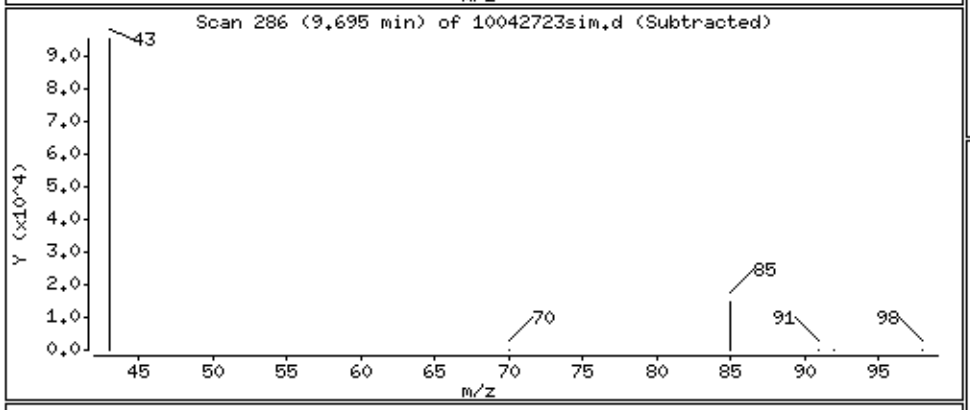
Column diameter: 0.25

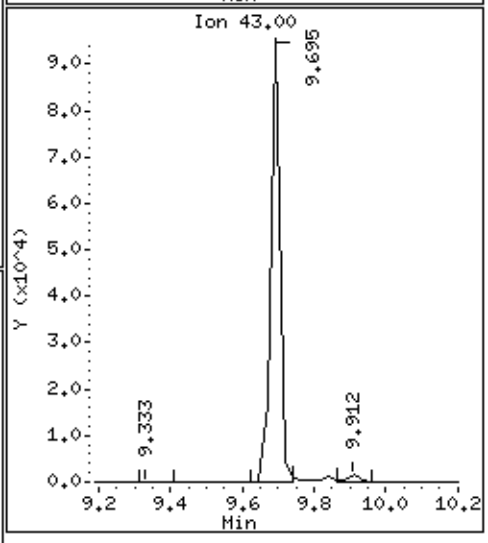
25 4-Methyl-2-pentanone

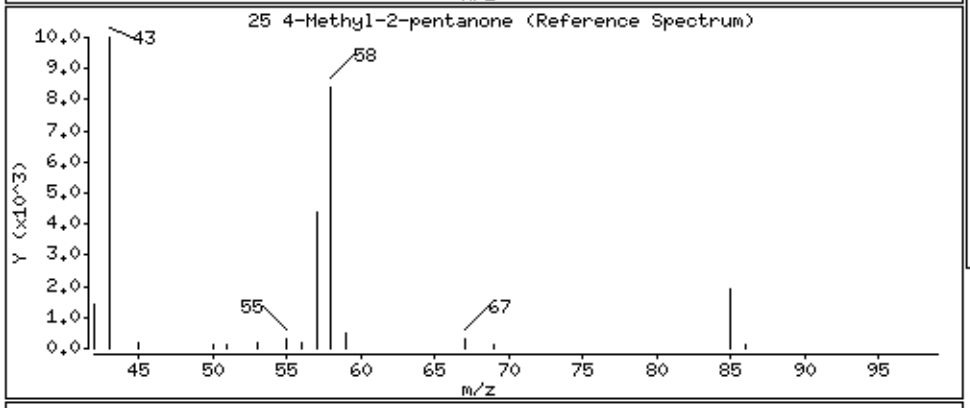
Concentration: 9.59902 ug

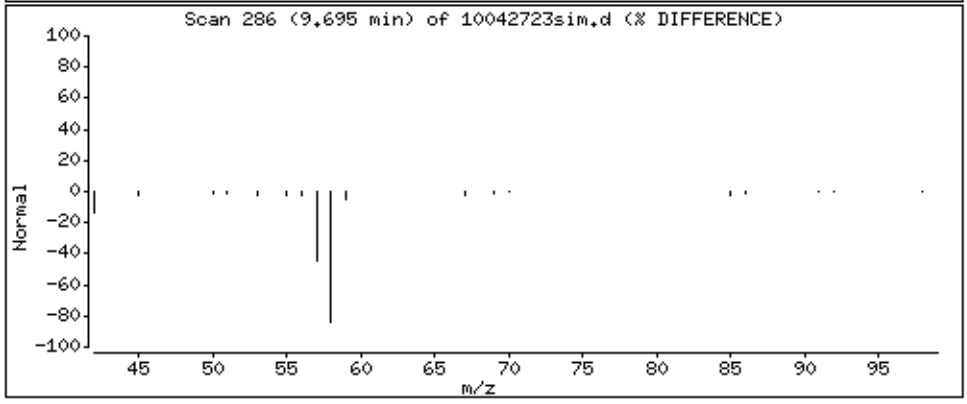












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

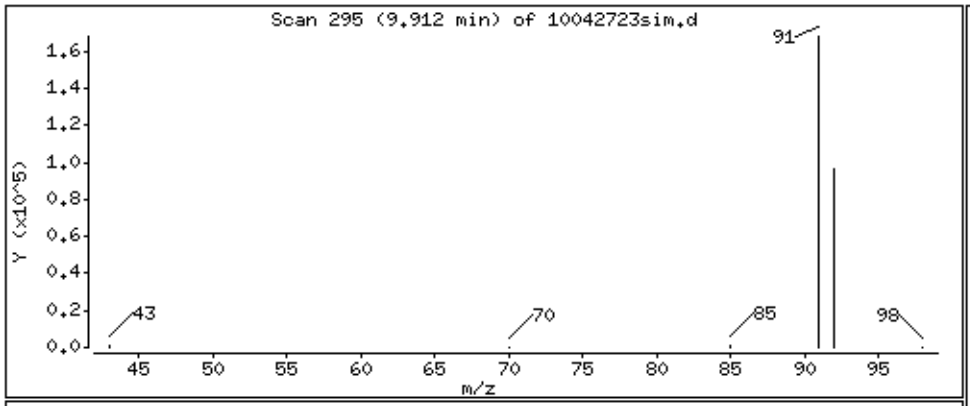
Operator: gm

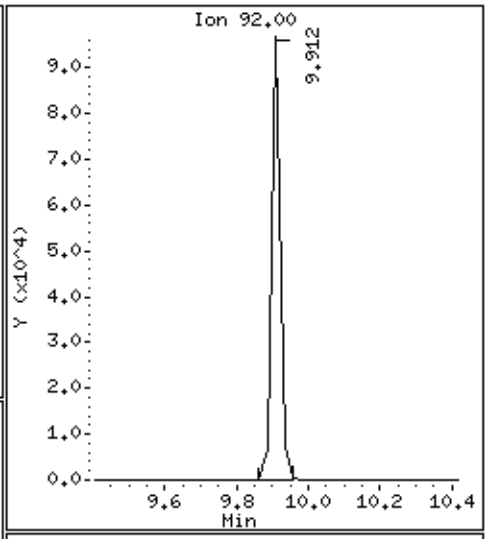
Column phase: DB-5.625

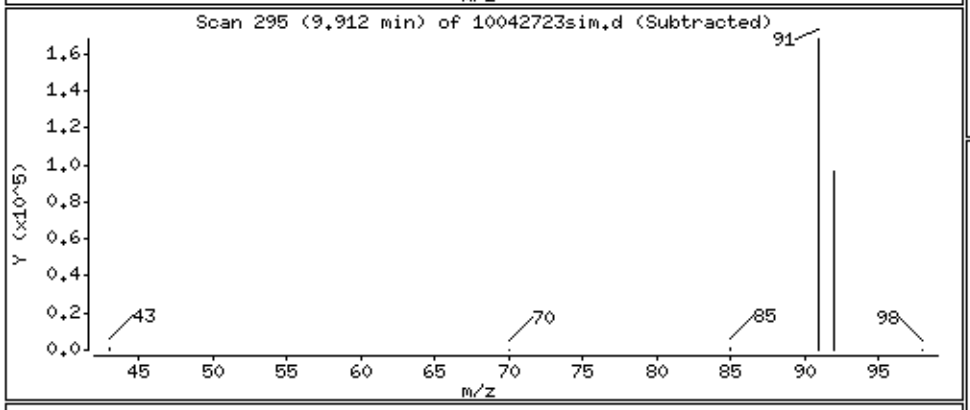
Column diameter: 0.25

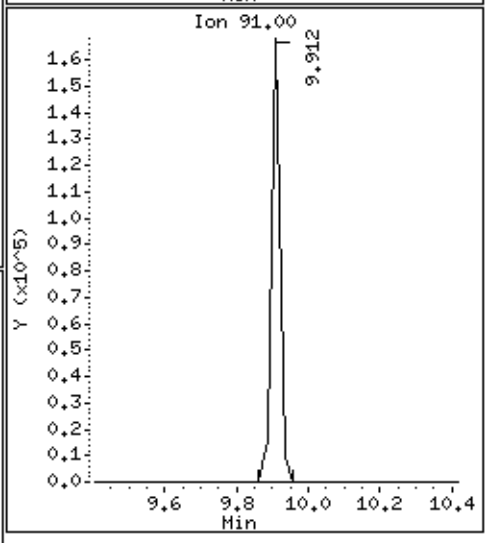
28 Toluene-CCC

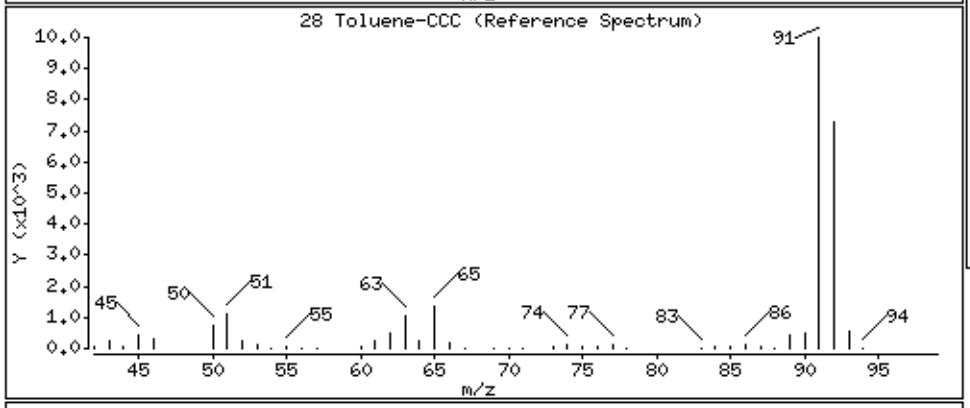
Concentration: 9.00283 ug

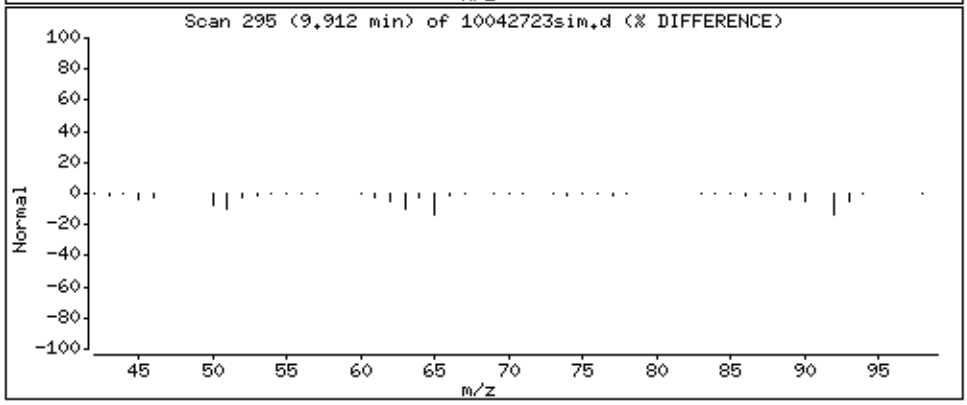












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

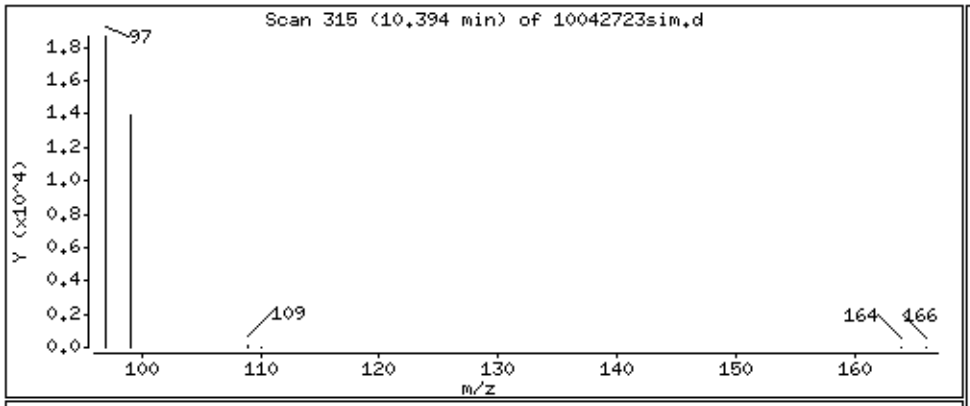
Operator: gm

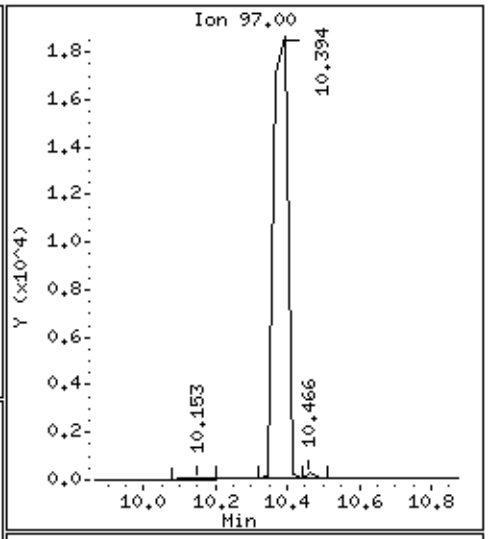
Column phase: DB-5.625

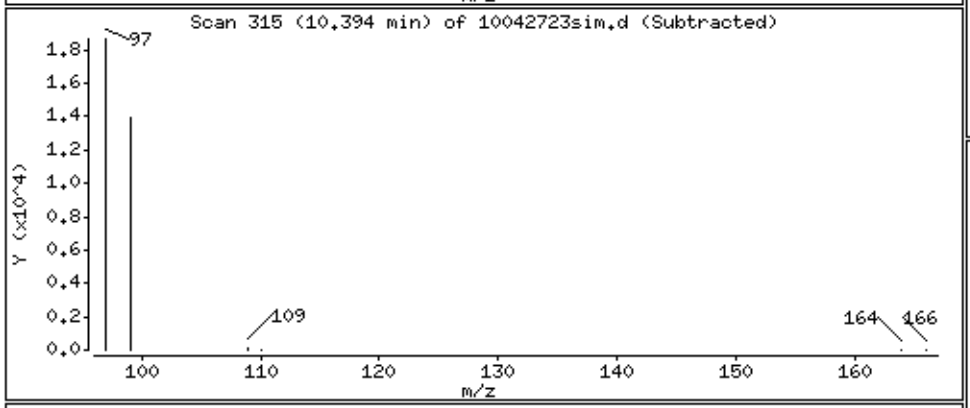
Column diameter: 0.25

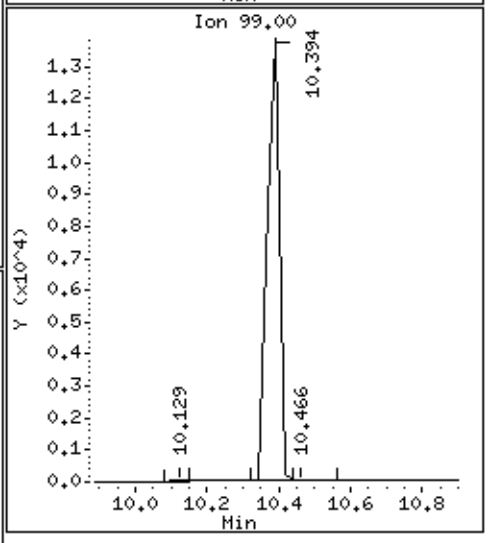
30 1,1,2-Trichloroethane

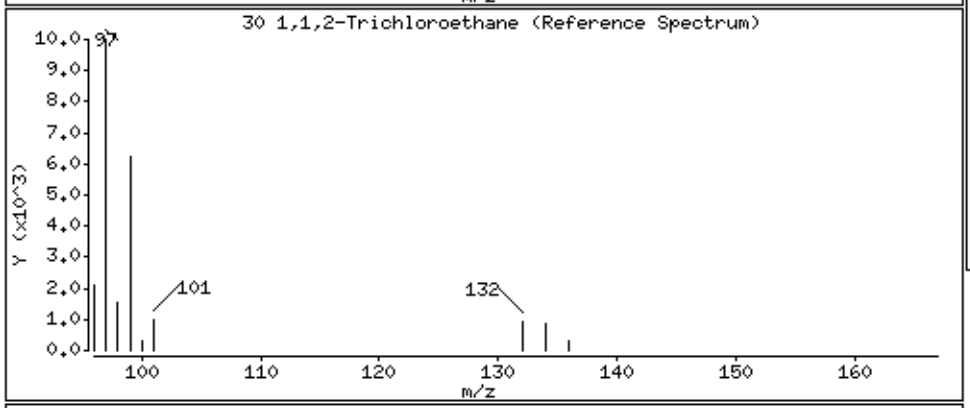
Concentration: 8.95563 ug

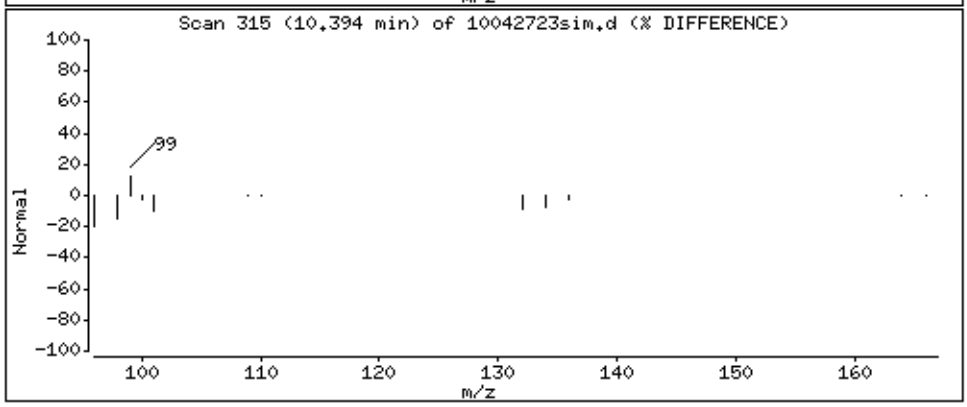












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

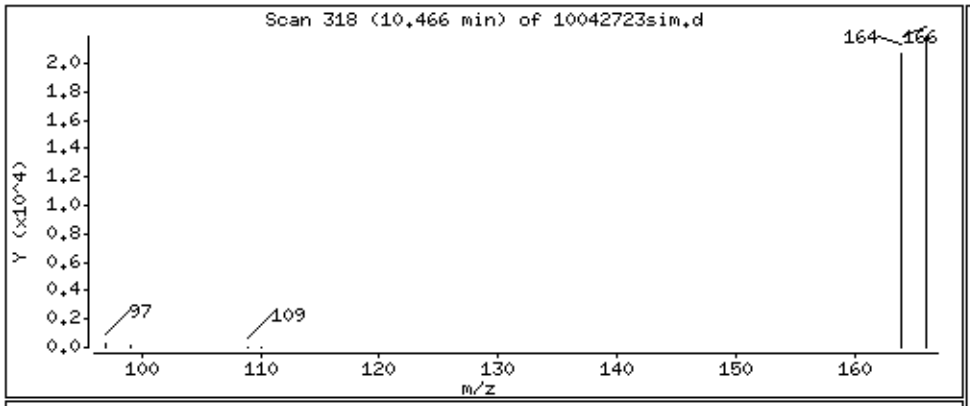
Operator: gm

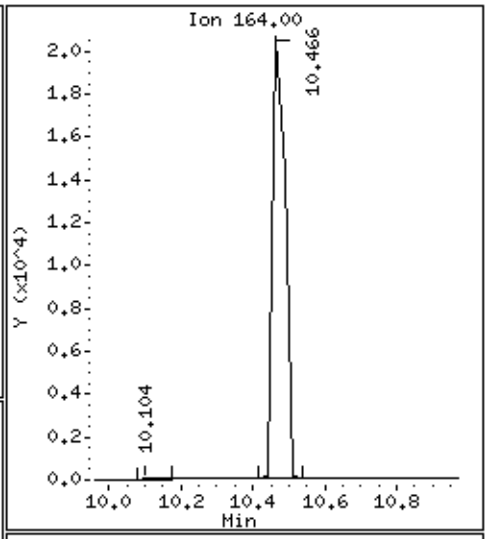
Column phase: DB-5.625

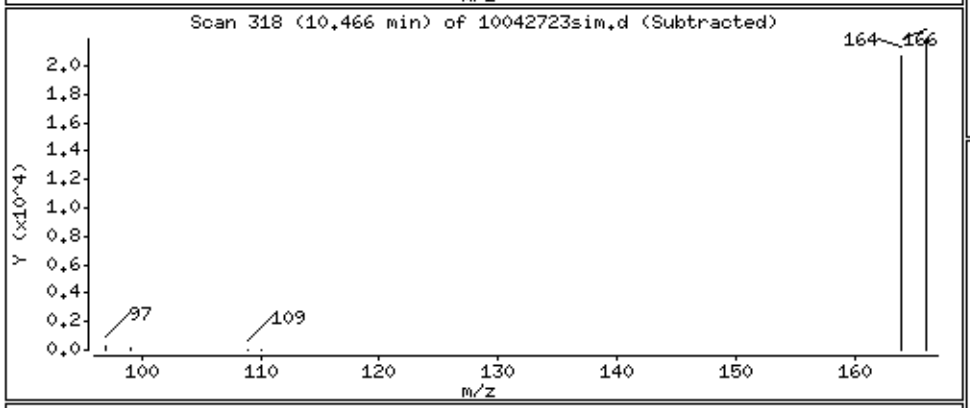
Column diameter: 0.25

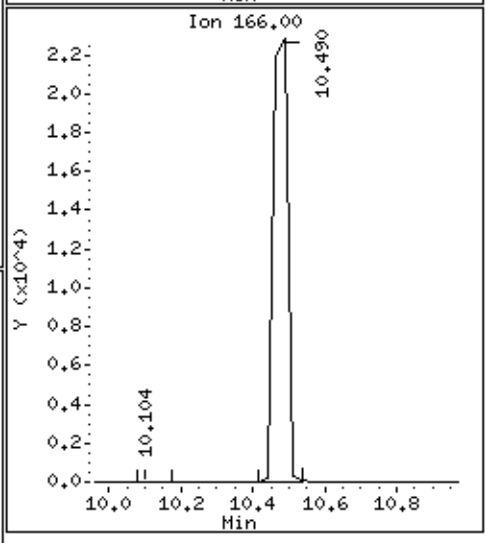
31 Tetrachloroethene

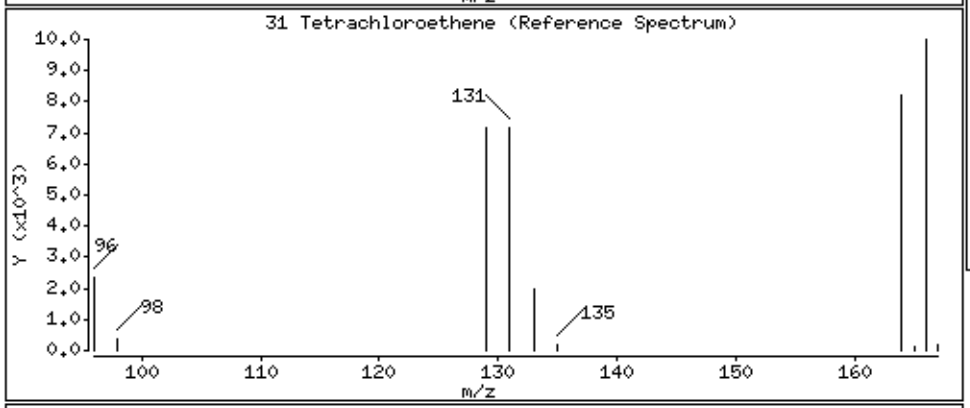
Concentration: 9.06381 ug

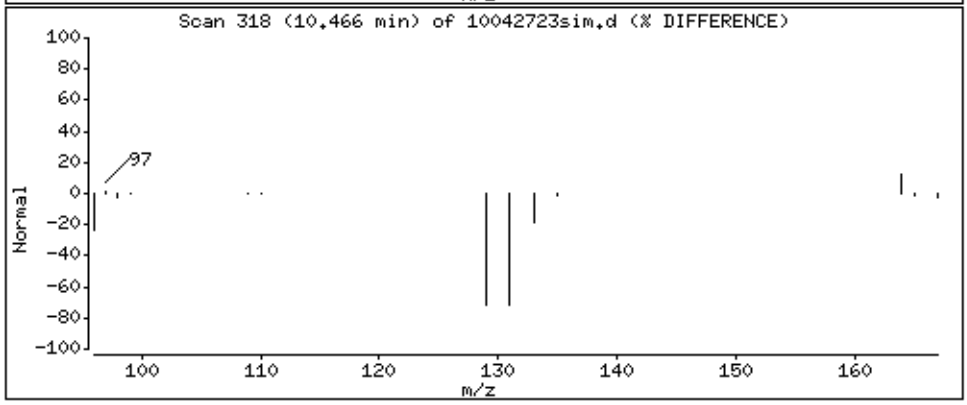












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

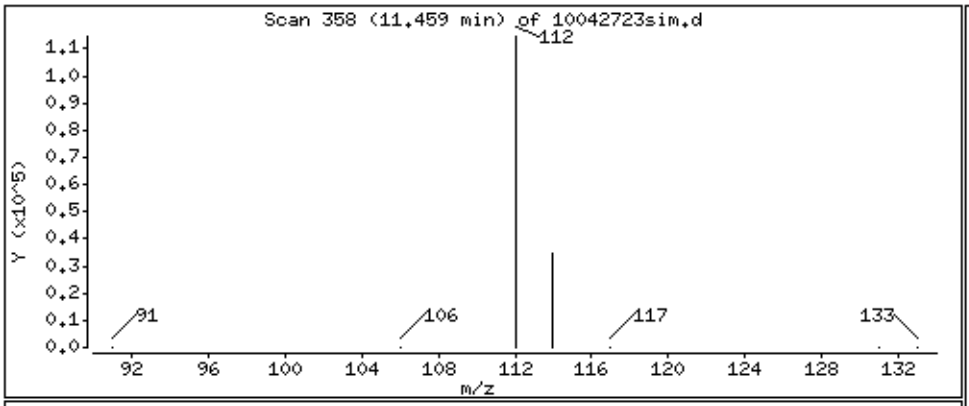
Operator: gm

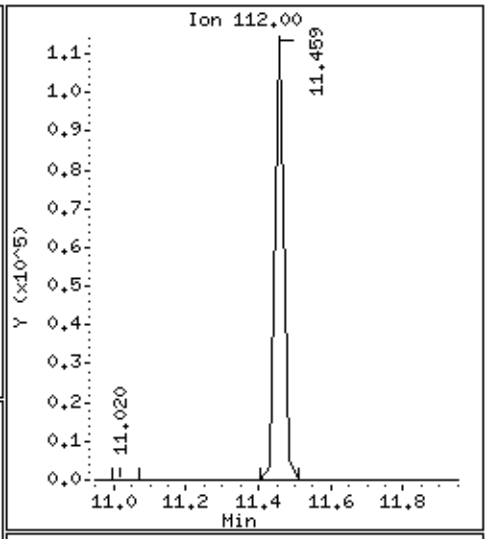
Column phase: DB-5.625

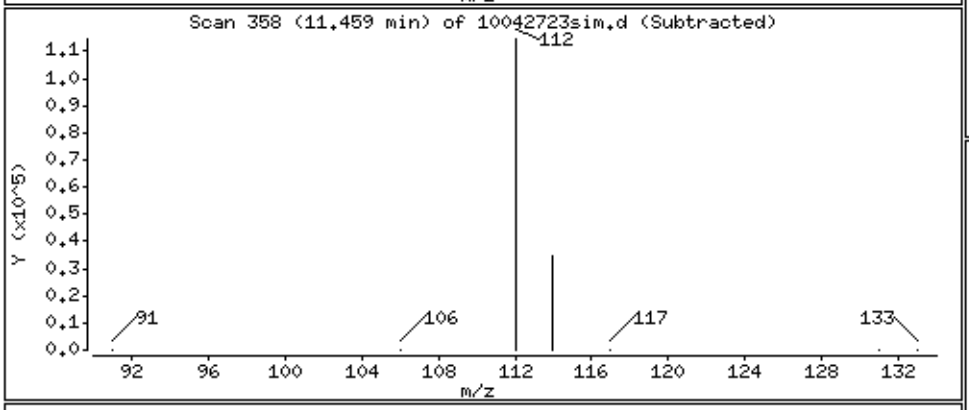
Column diameter: 0.25

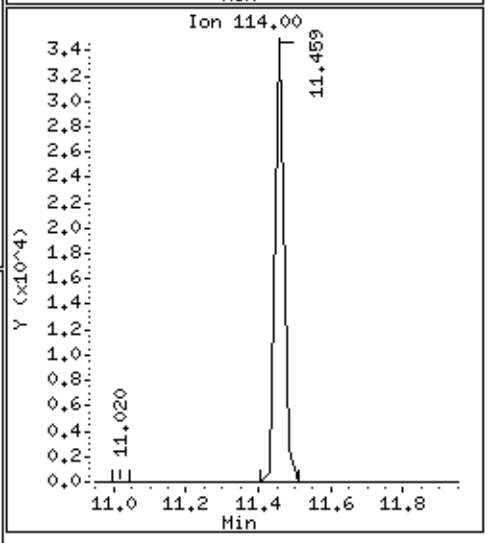
32 Chlorobenzene

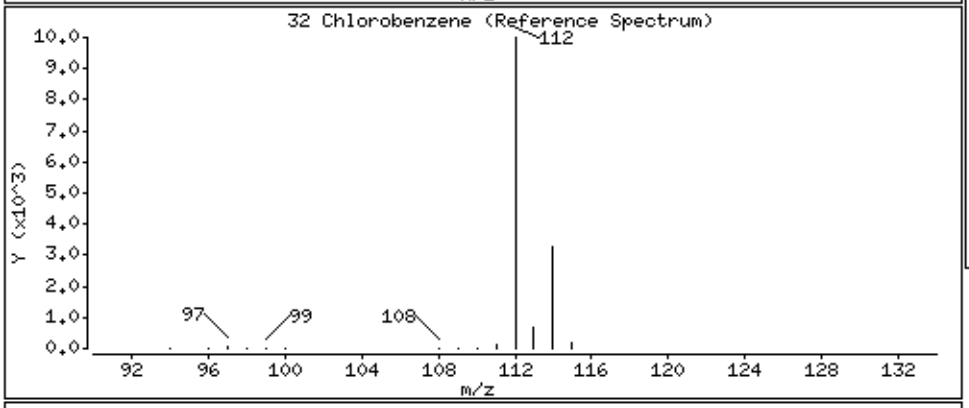
Concentration: 8.51866 ug

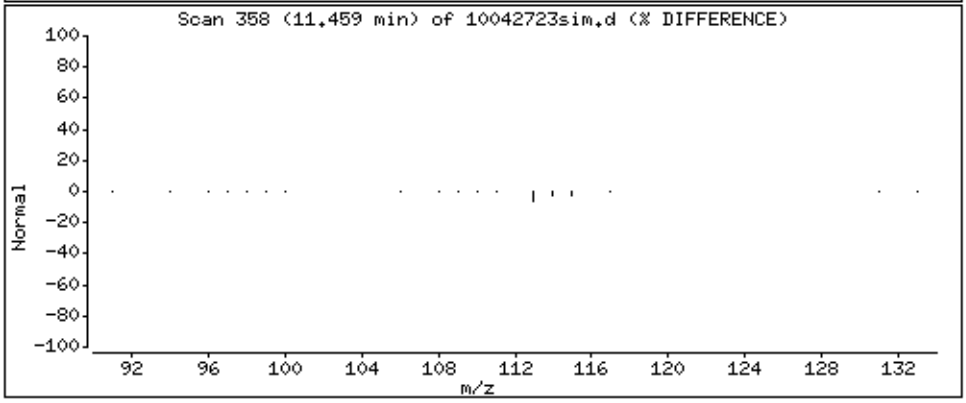












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

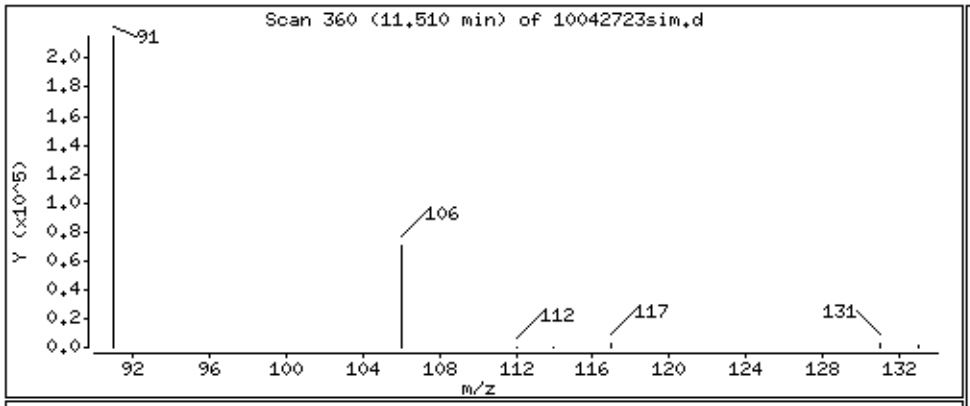
Operator: gm

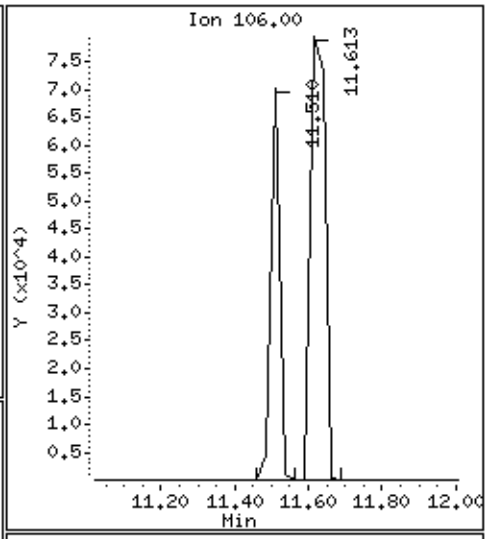
Column phase: DB-5.625

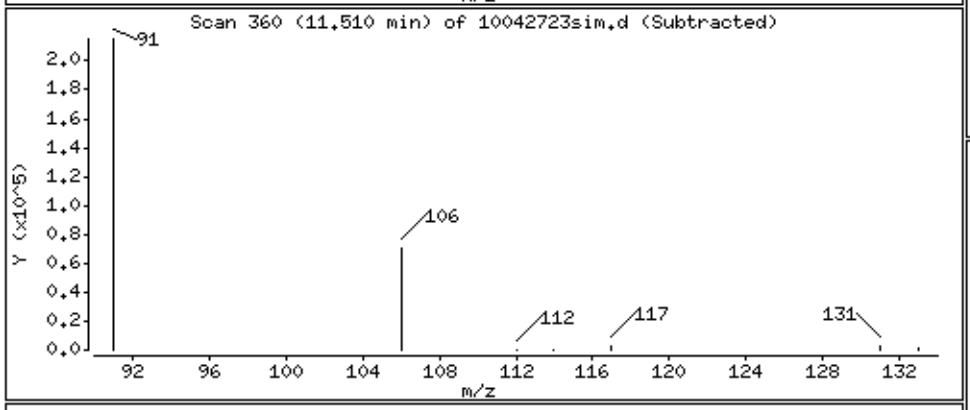
Column diameter: 0.25

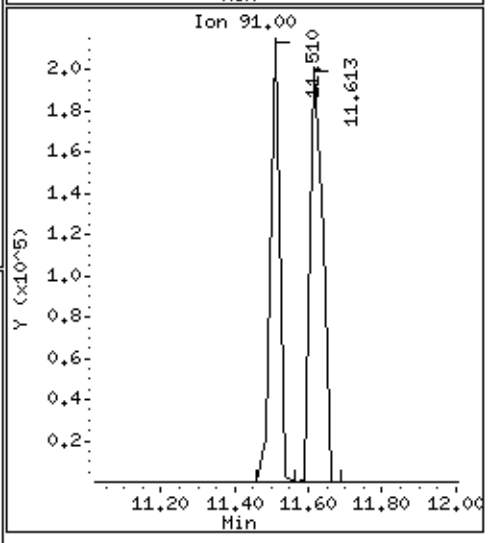
33 Ethylbenzene-CCC

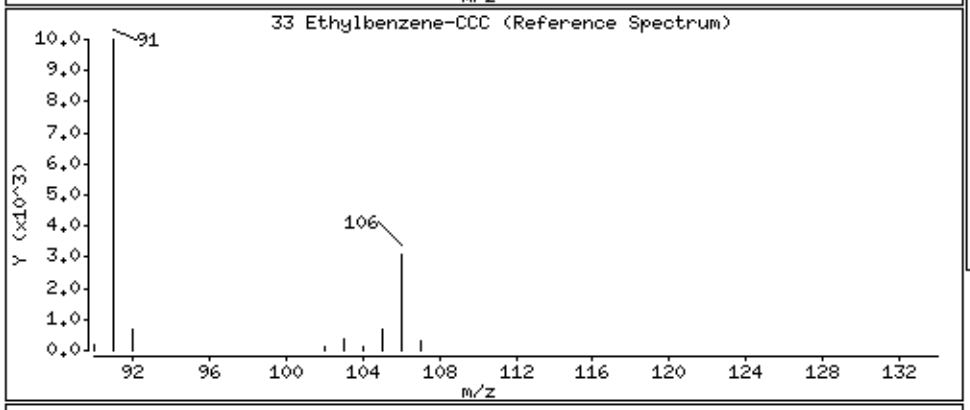
Concentration: 9.61240 ug

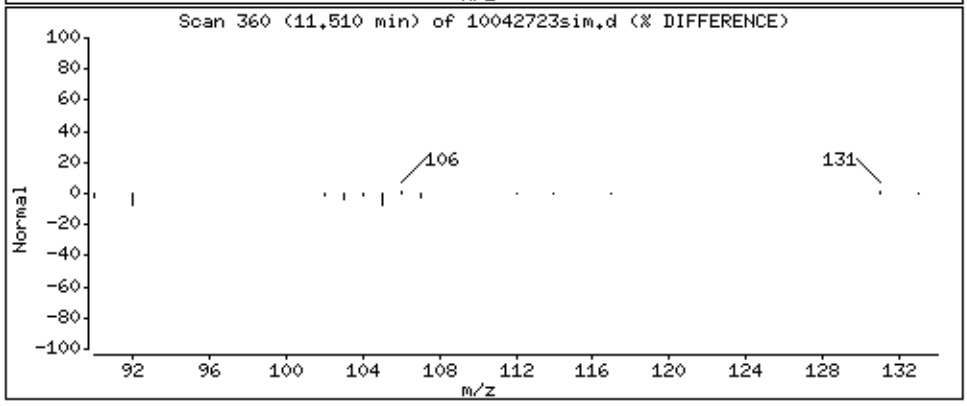












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

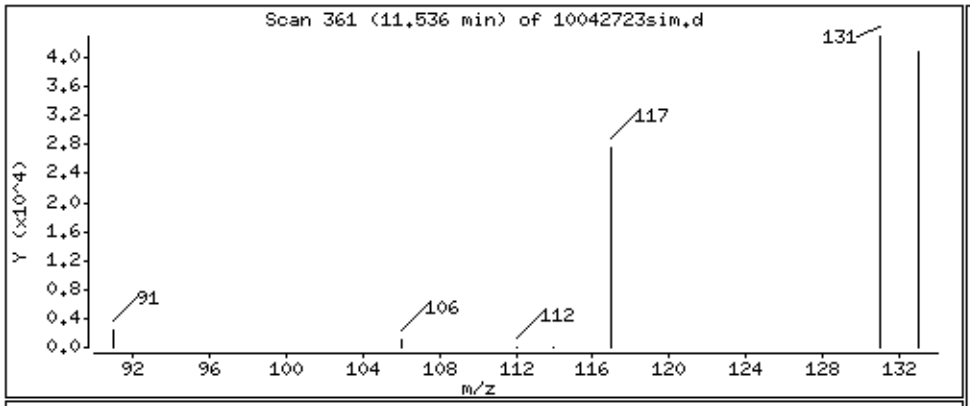
Operator: gm

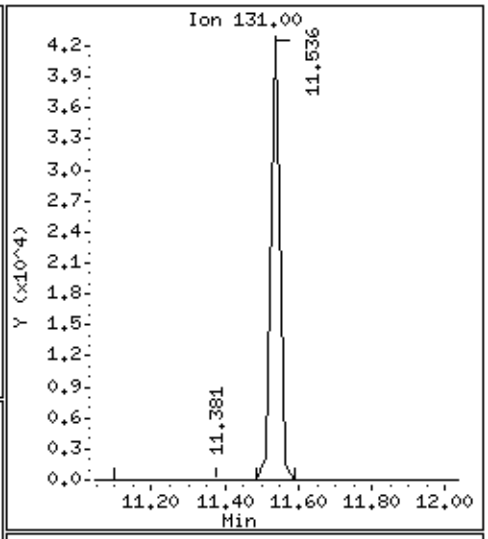
Column phase: DB-5.625

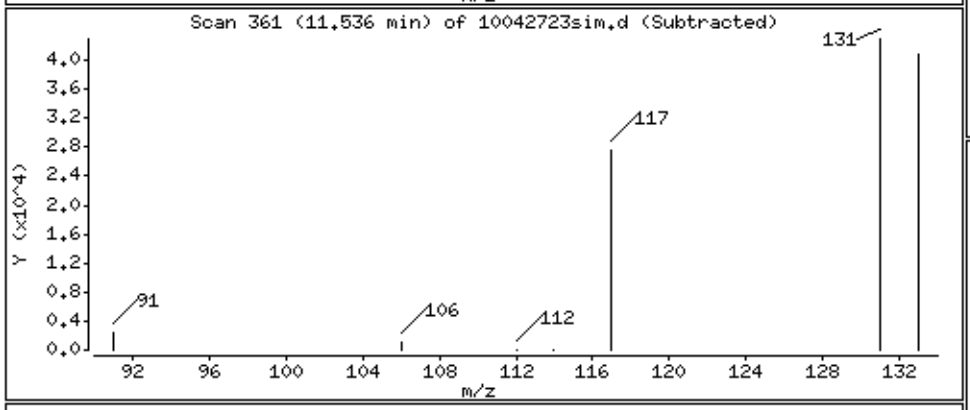
Column diameter: 0.25

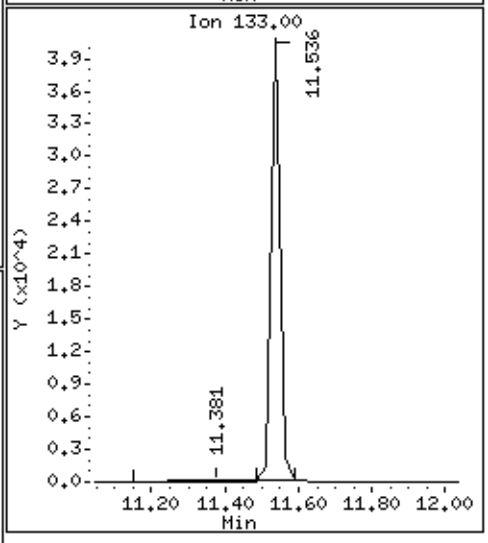
209 1,1,1,2-Tetrachloroethane

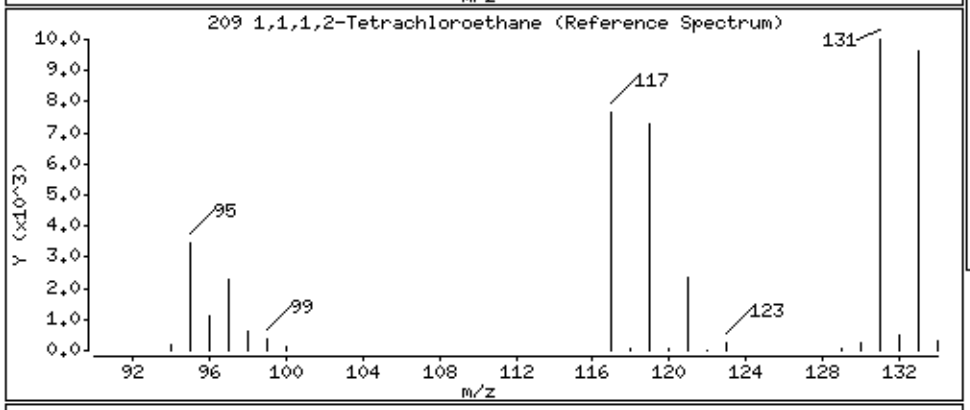
Concentration: 9.41563 ug

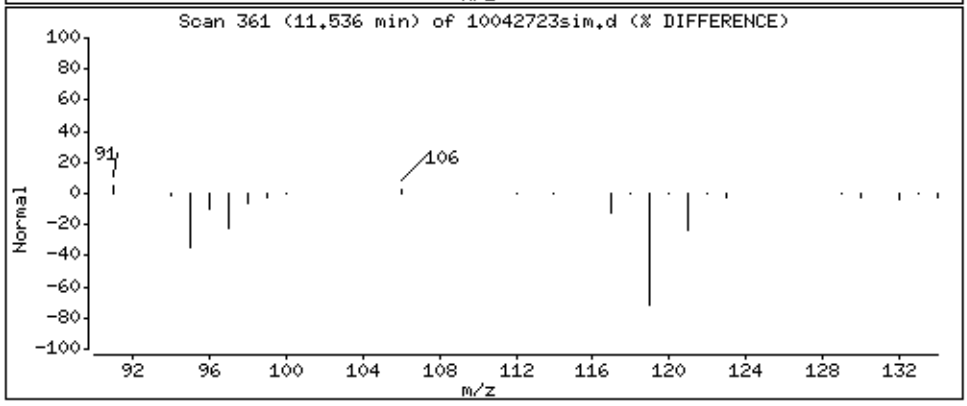












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

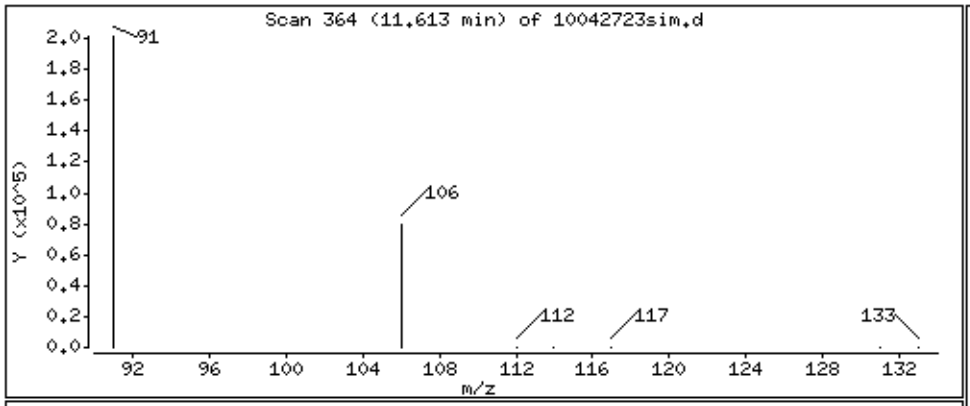
Operator: gm

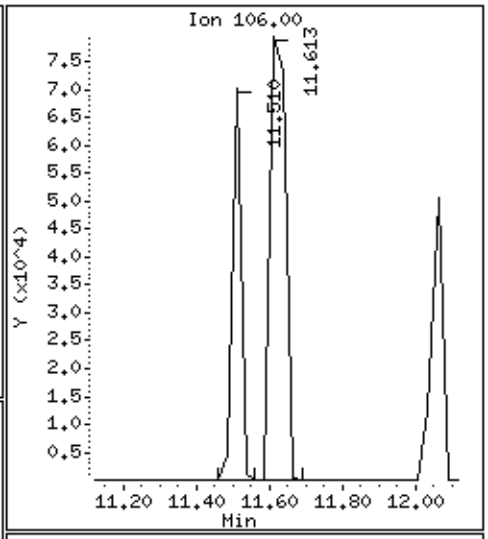
Column phase: DB-5.625

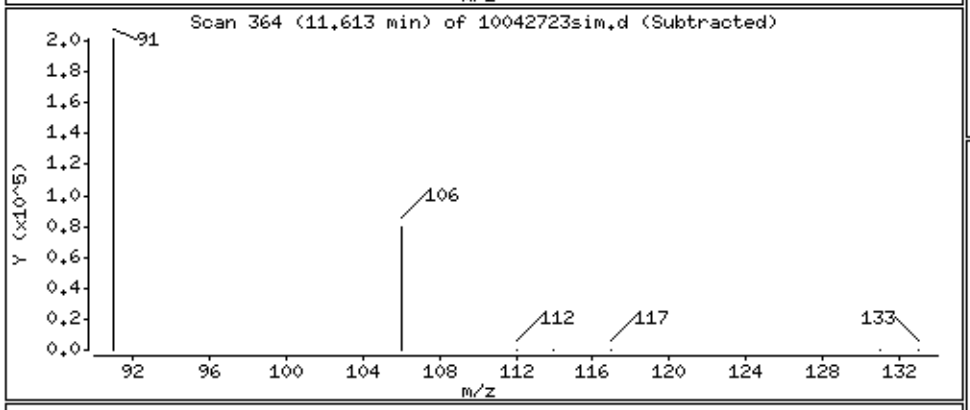
Column diameter: 0.25

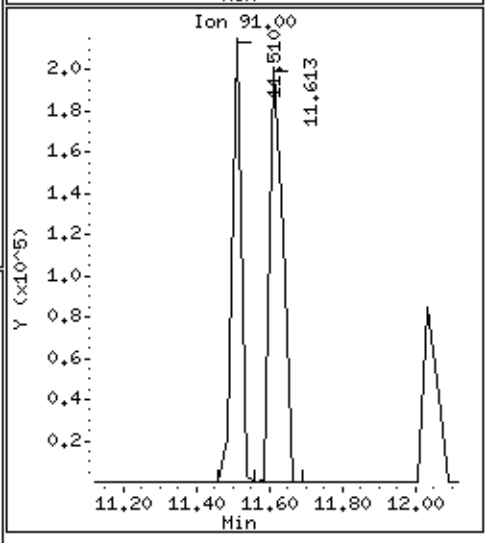
34 m,p-Xylene

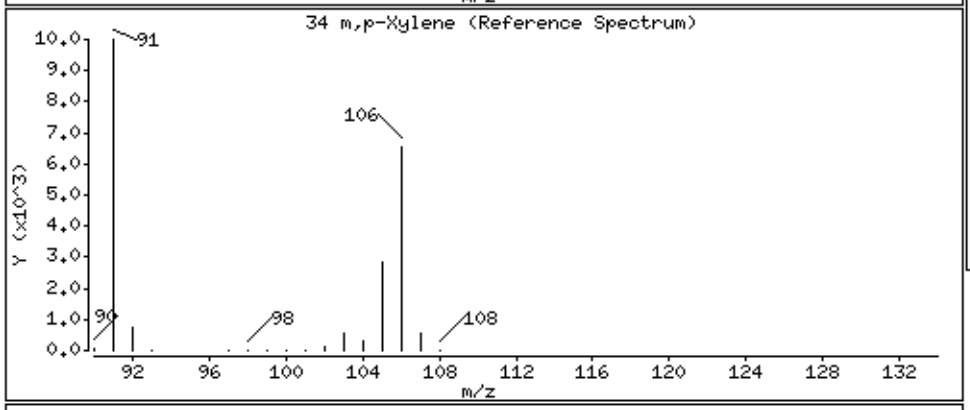
Concentration: 18.5055 ug

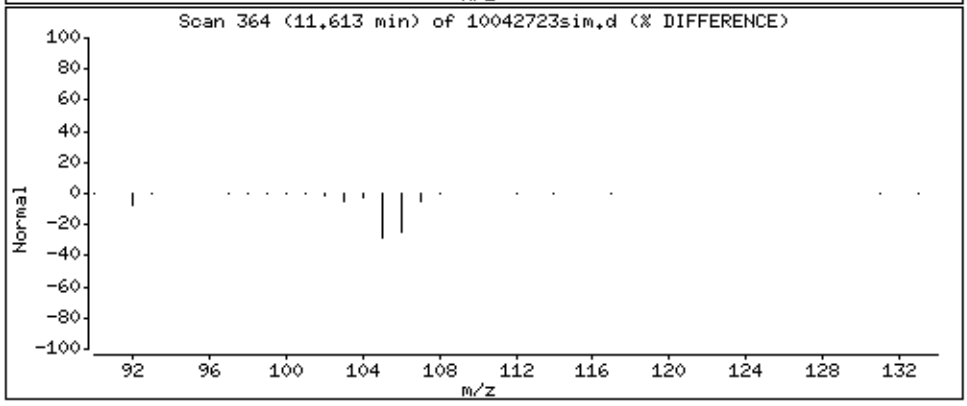












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

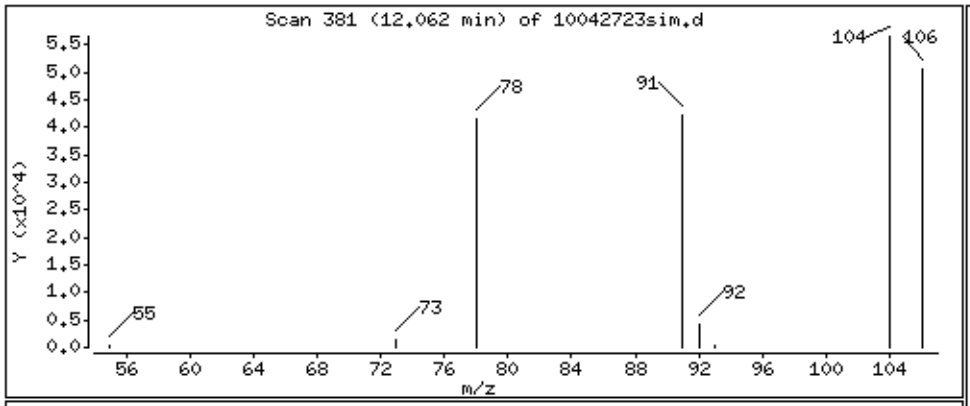
Operator: gm

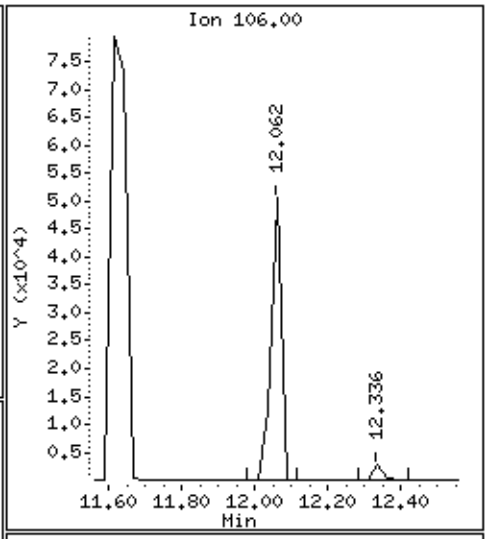
Column phase: DB-5.625

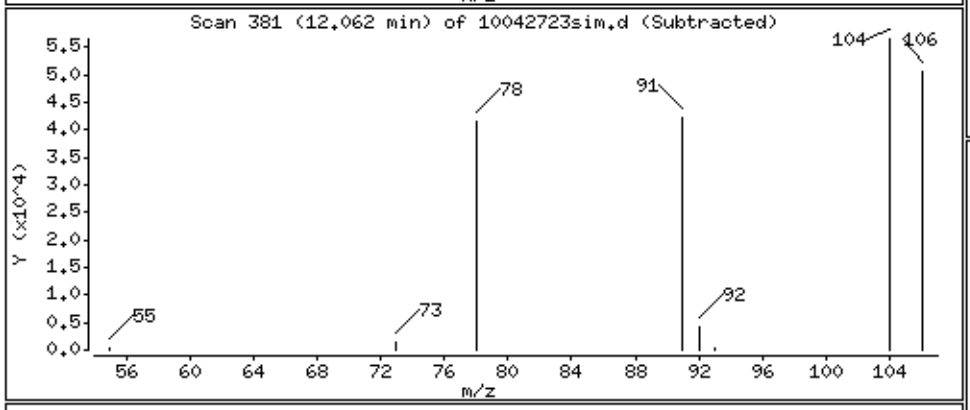
Column diameter: 0.25

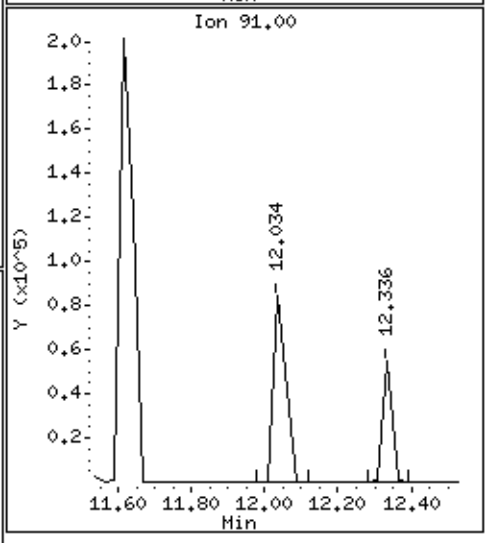
36 o-Xylene

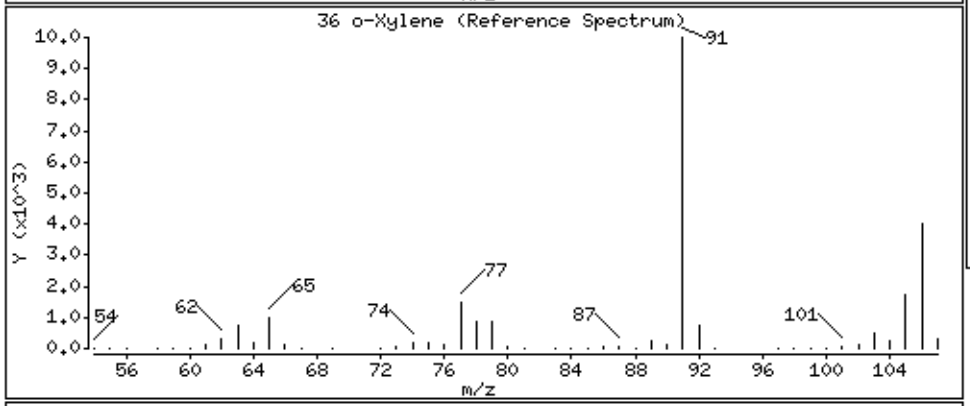
Concentration: 8.30166 ug

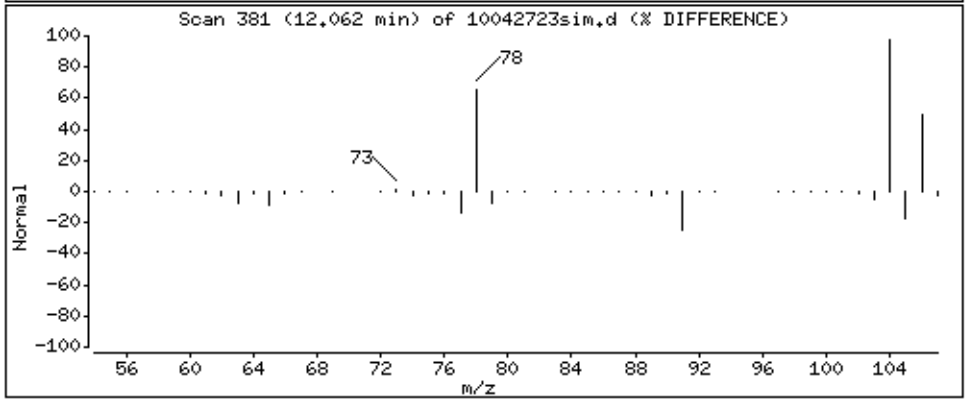












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

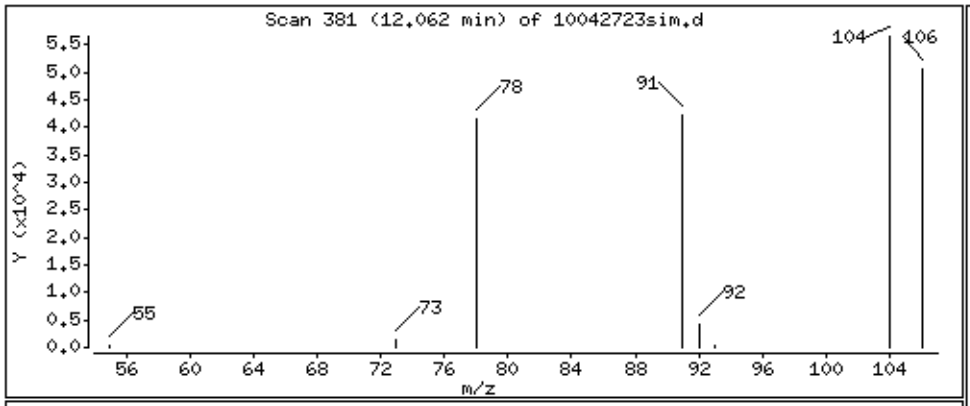
Operator: gm

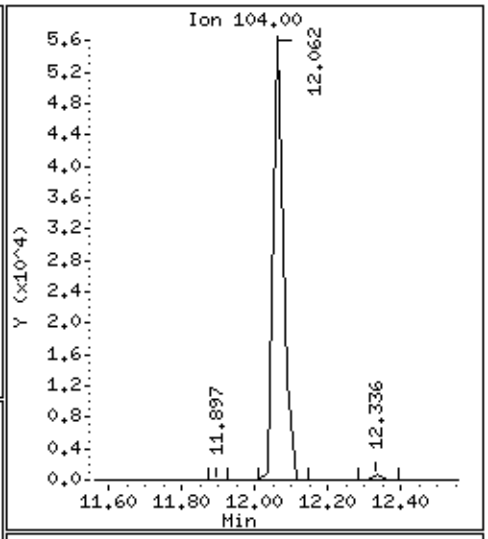
Column phase: DB-5.625

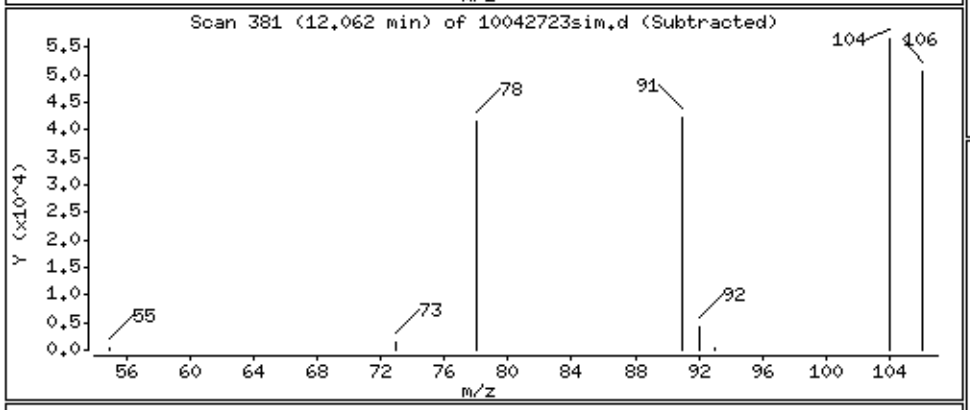
Column diameter: 0.25

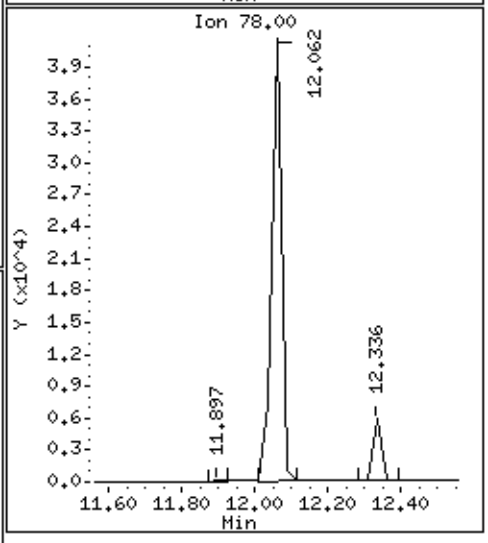
37 Styrene

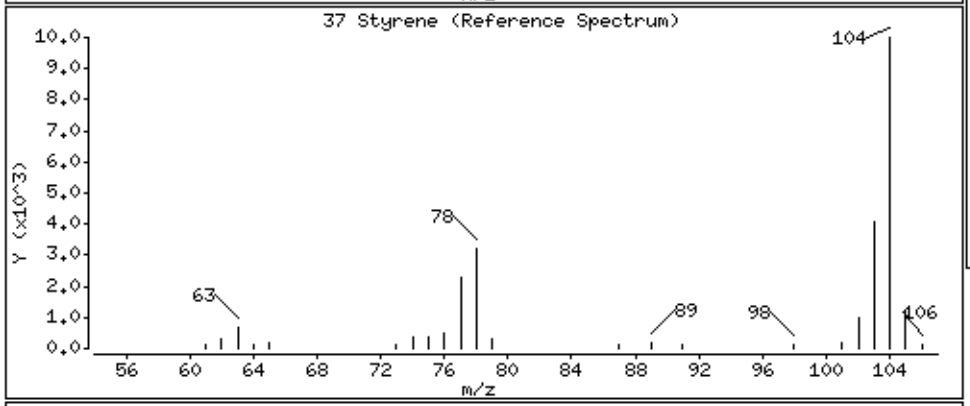
Concentration: 5.53654 ug

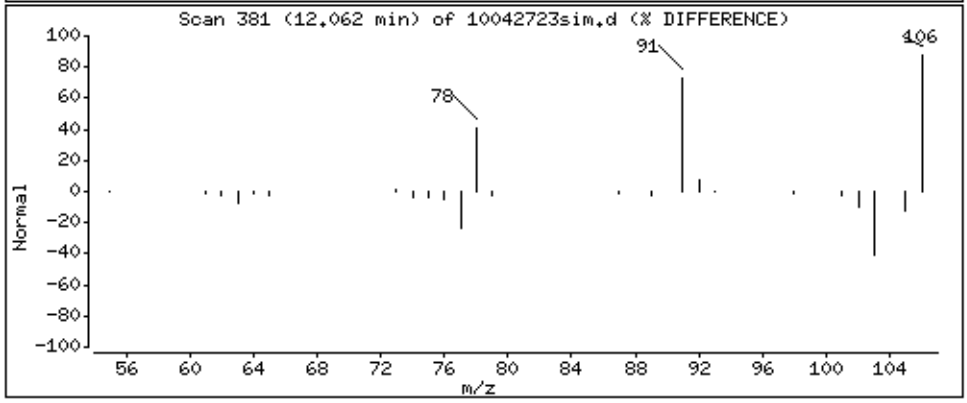












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

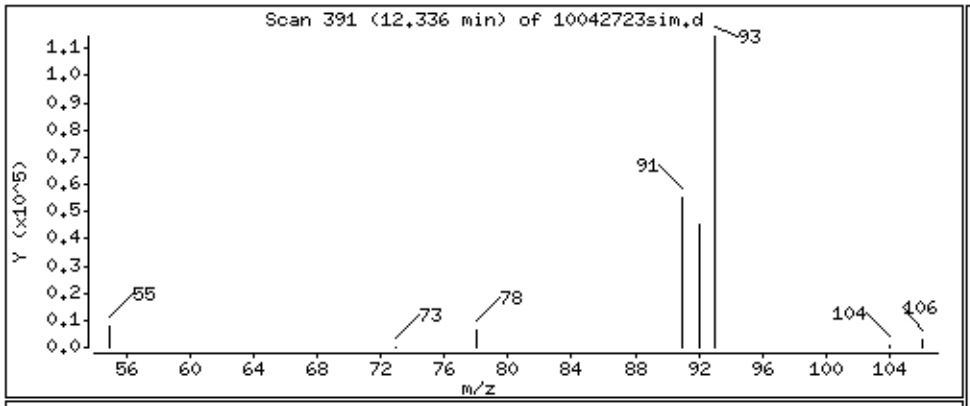
Operator: gm

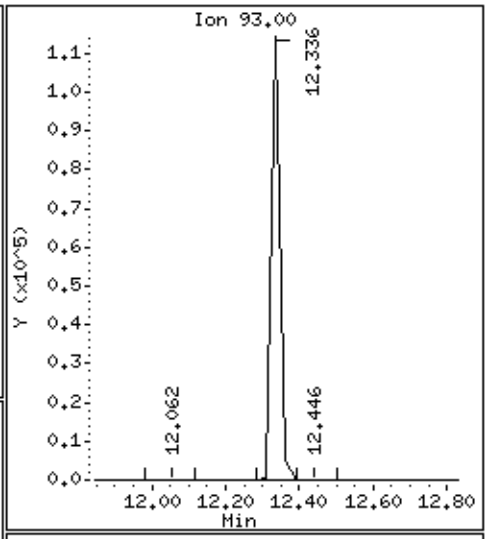
Column phase: DB-5.625

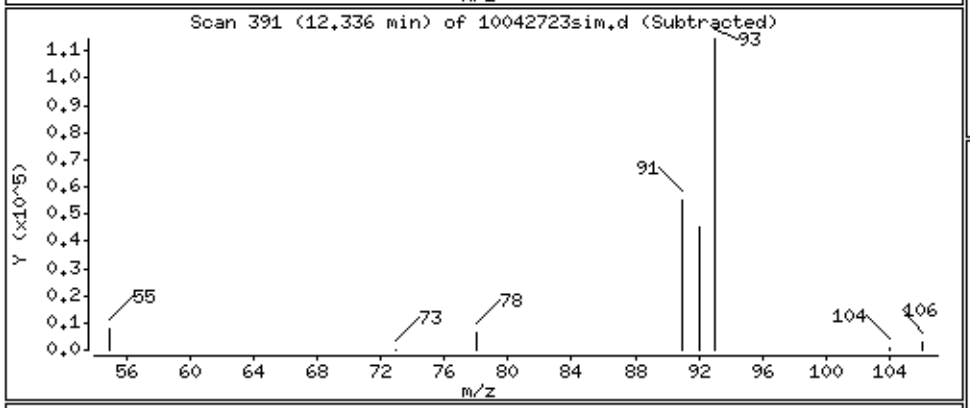
Column diameter: 0.25

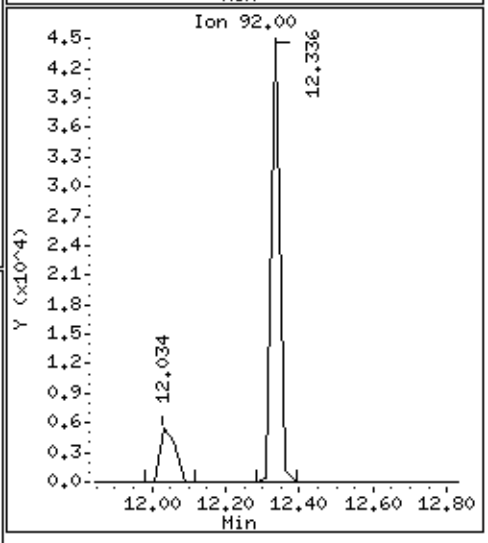
38 a-Pinene

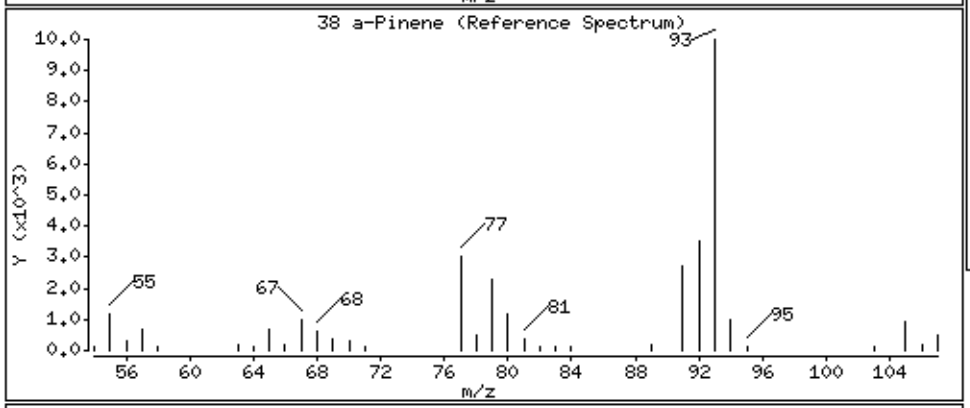
Concentration: 11.4504 ug

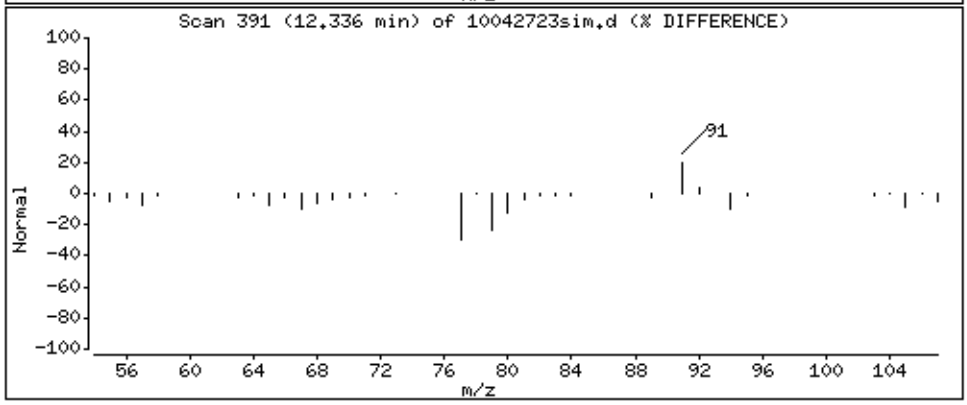












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

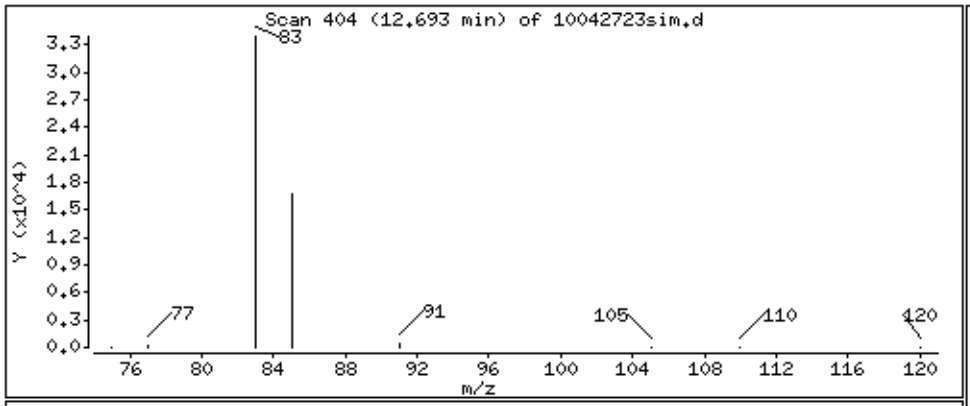
Operator: gm

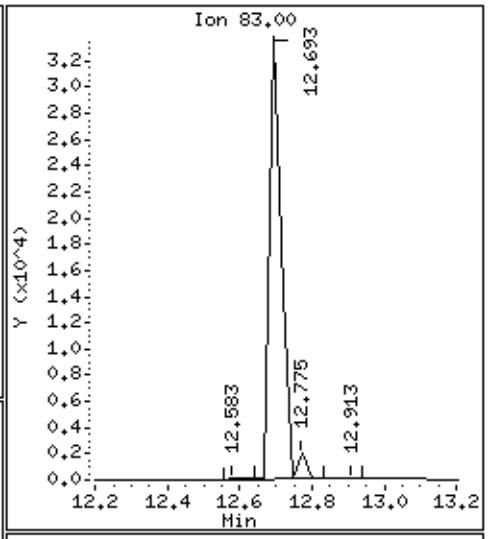
Column phase: DB-5.625

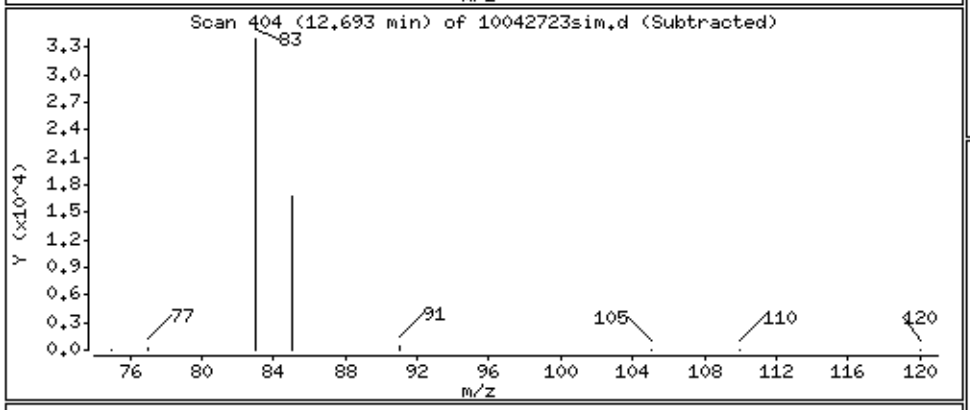
Column diameter: 0.25

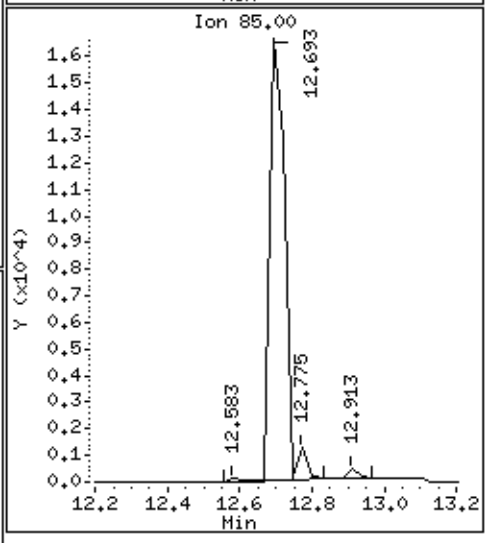
39 1,1,2,2-Tetrachloroethane-SPC

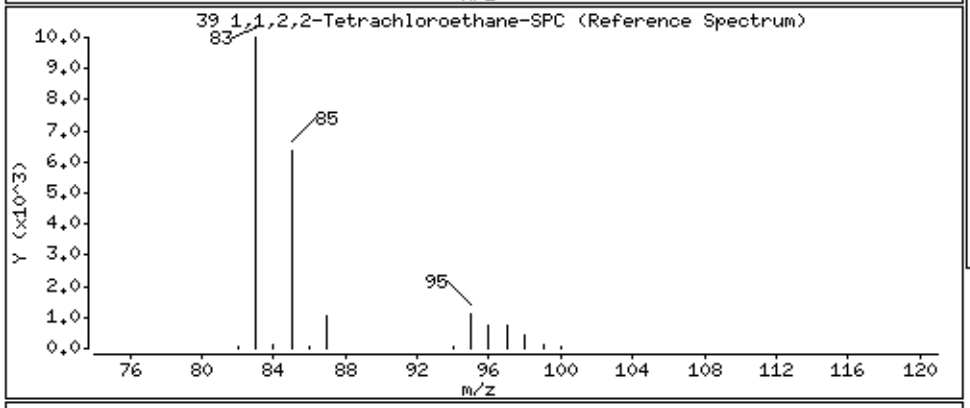
Concentration: 8.63541 ug

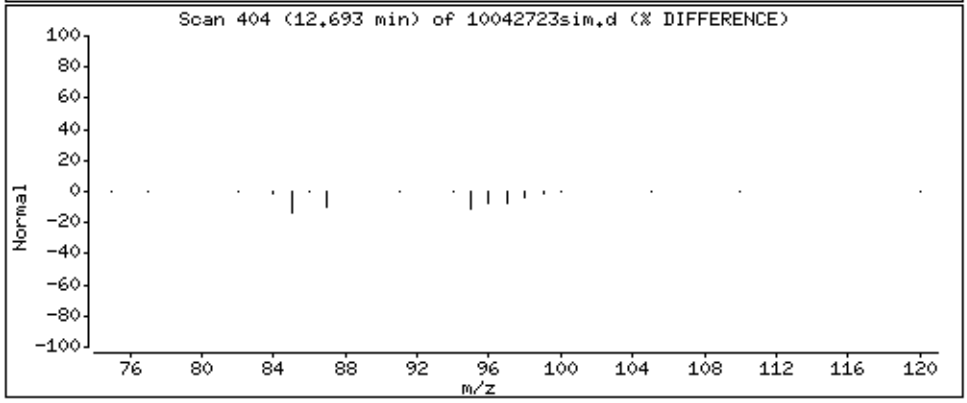












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

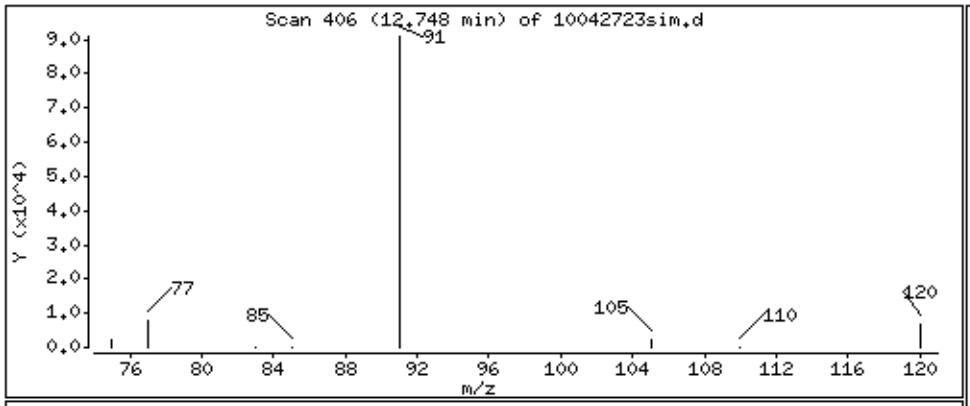
Operator: gm

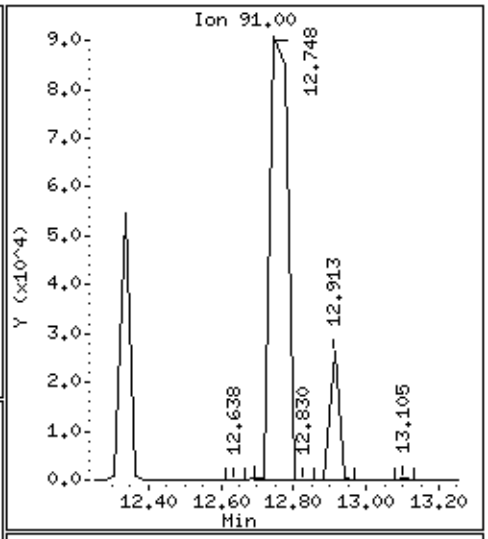
Column phase: DB-5.625

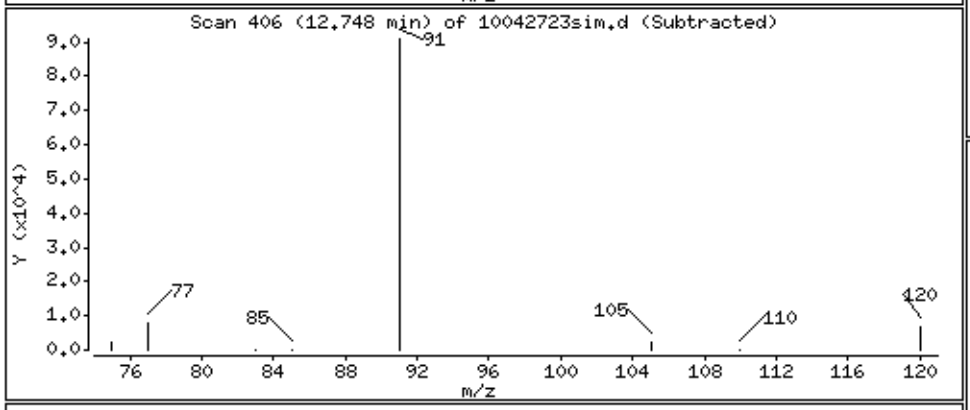
Column diameter: 0.25

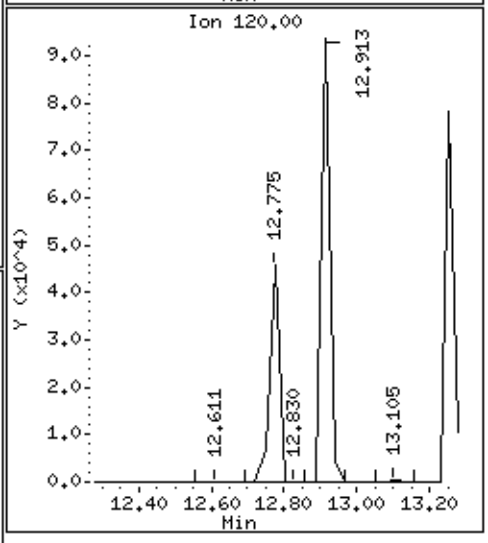
40 Propylbenzene

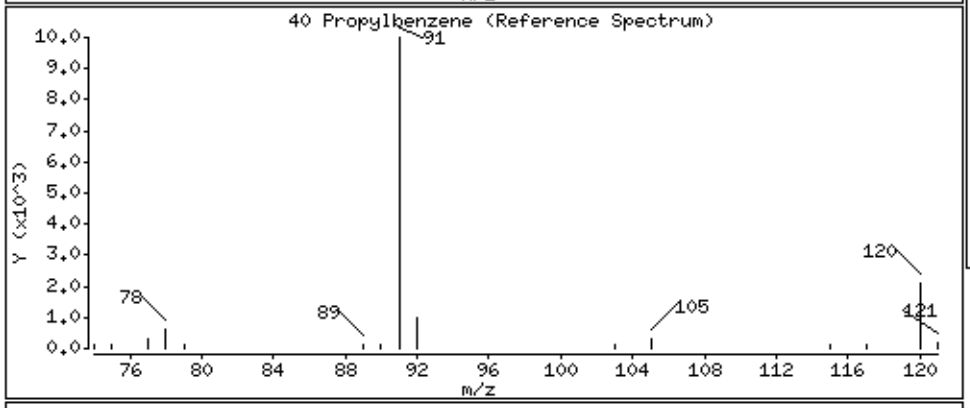
Concentration: 8.84404 ug

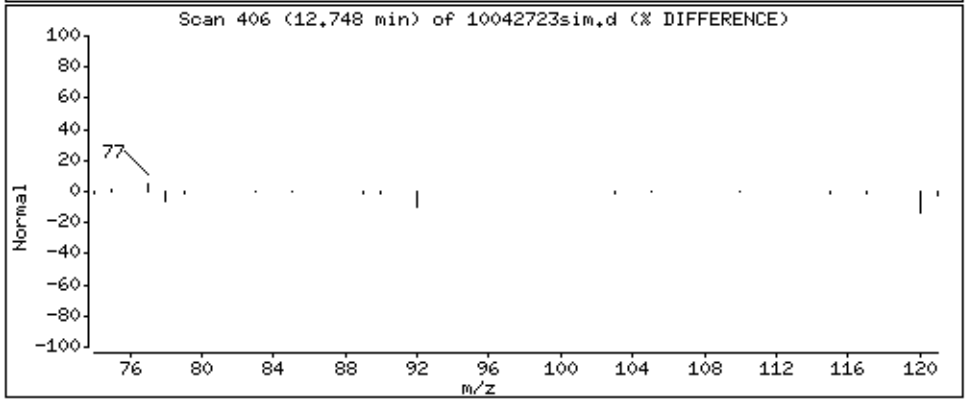












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

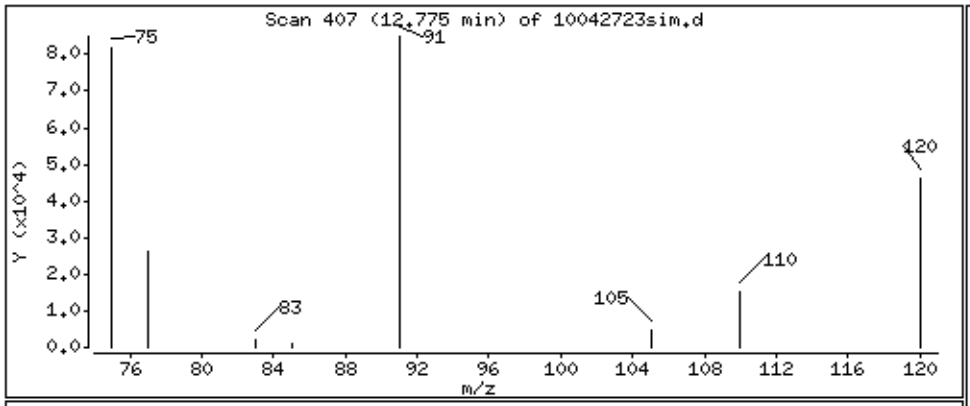
Operator: gm

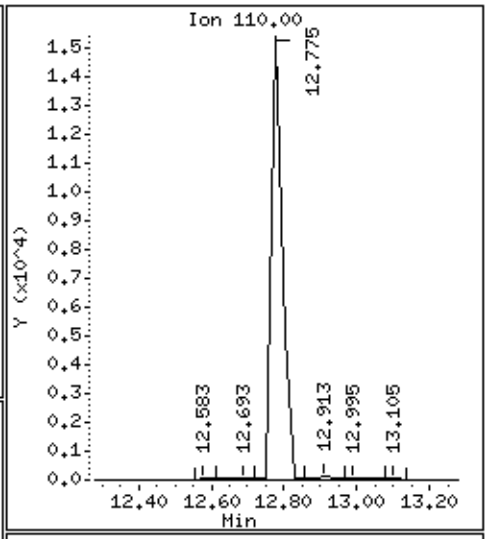
Column phase: DB-5.625

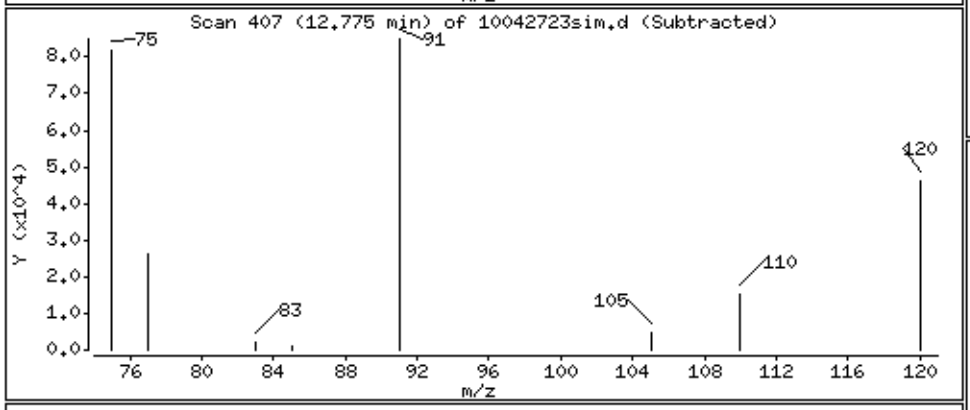
Column diameter: 0.25

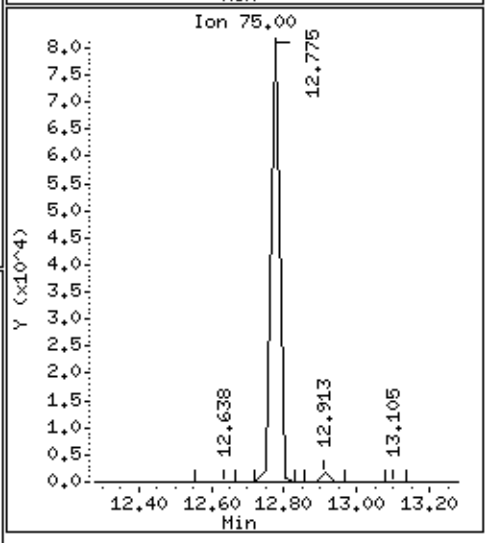
210 1,2,3-Trichloropropane

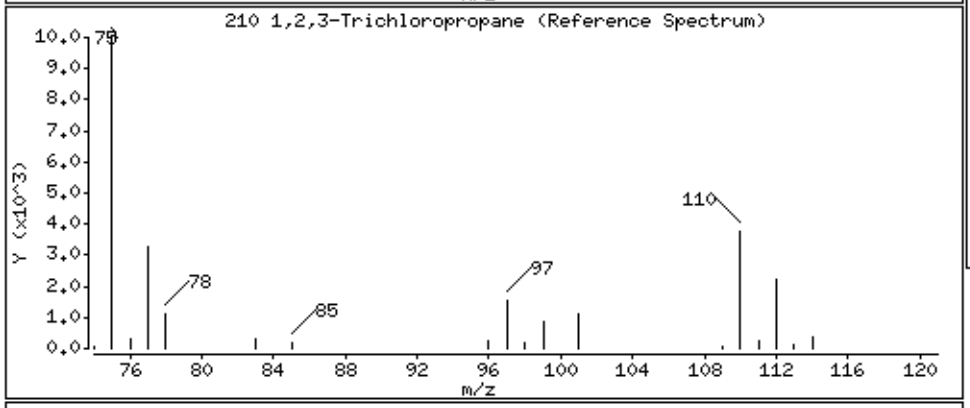
Concentration: 9.09546 ug

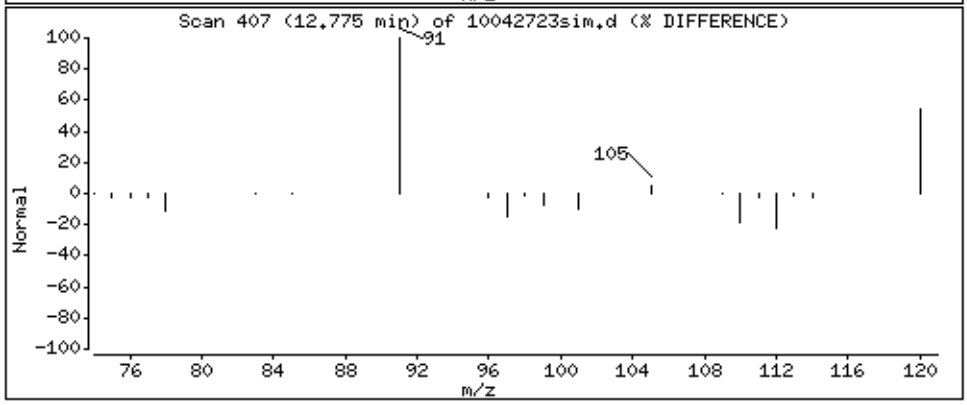












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

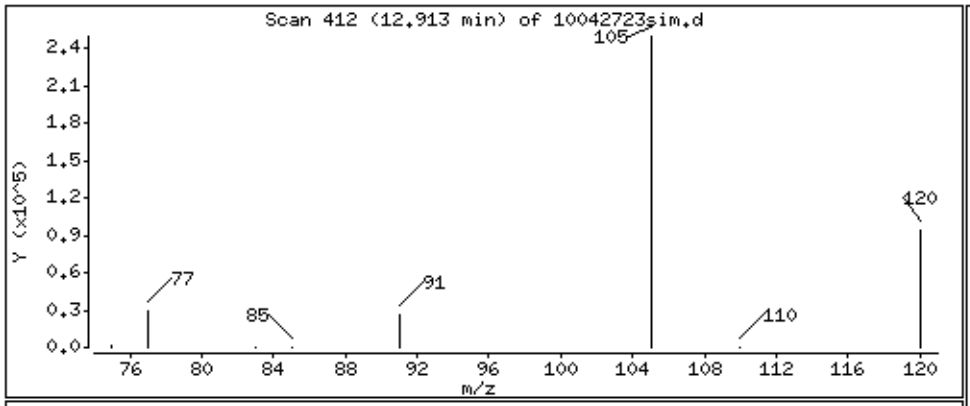
Operator: gm

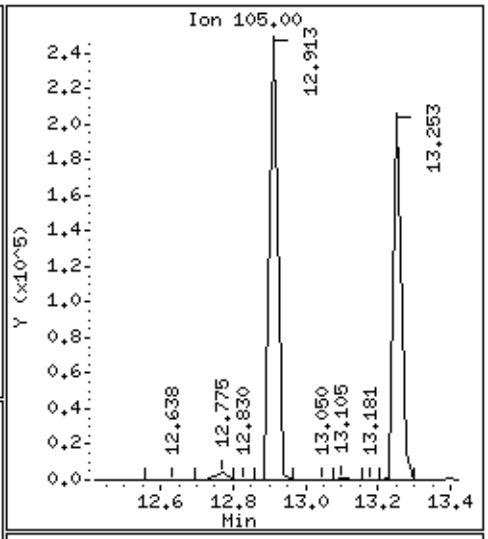
Column phase: DB-5.625

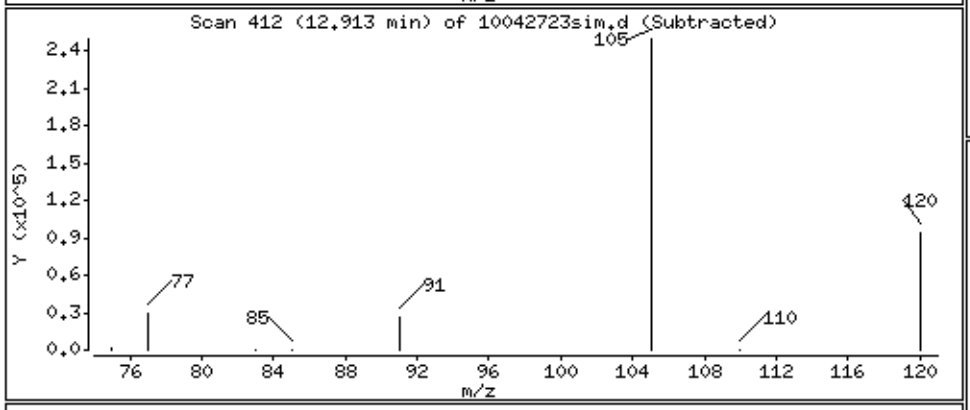
Column diameter: 0.25

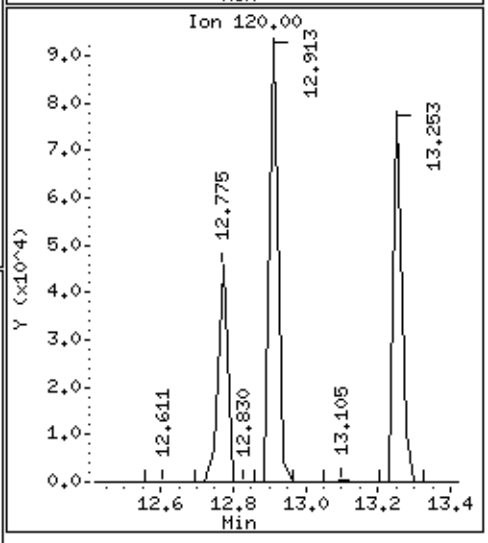
41 1,3,5-Trimethylbenzene

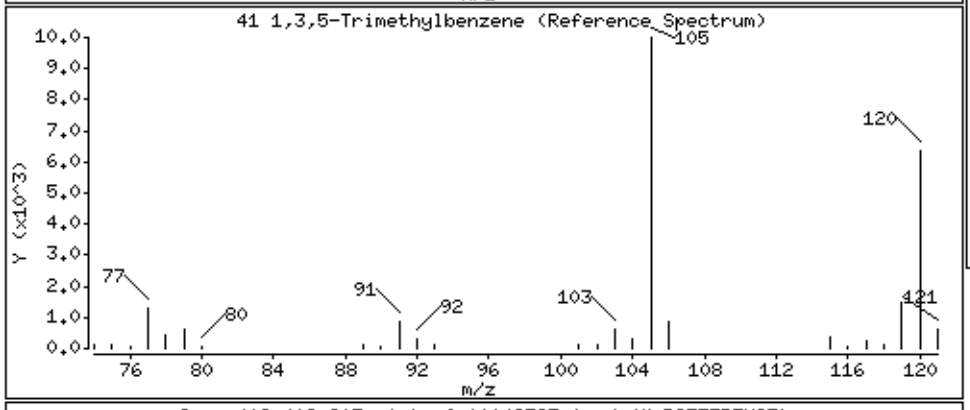
Concentration: 10.3013 ug

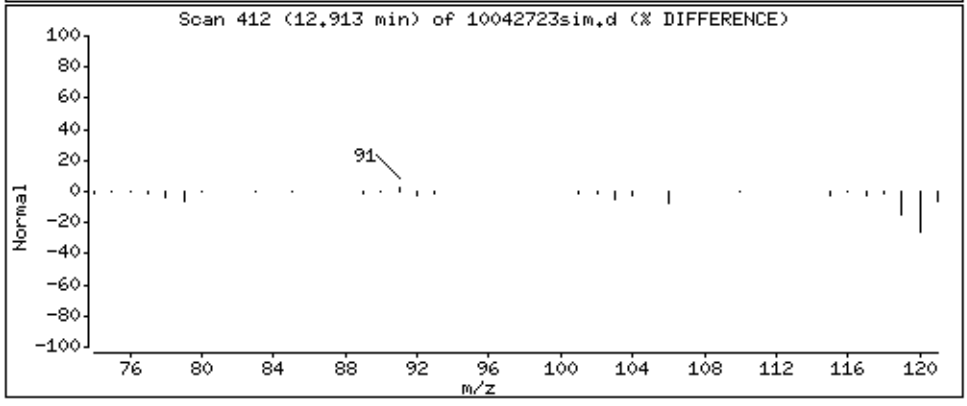












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

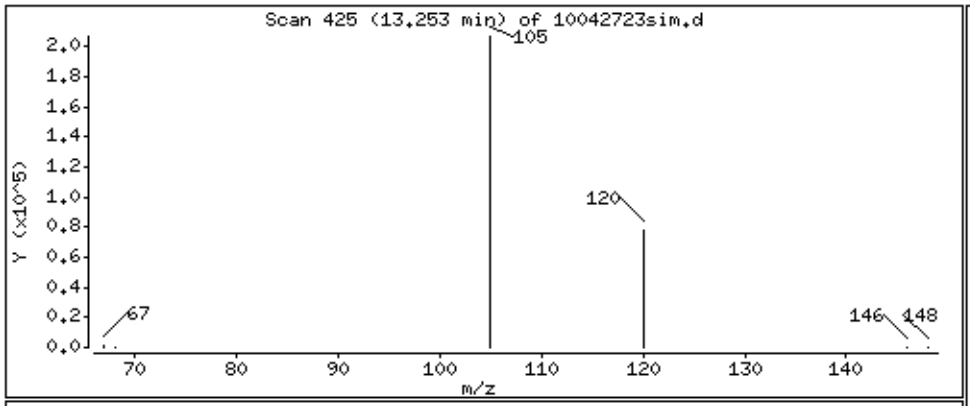
Operator: gm

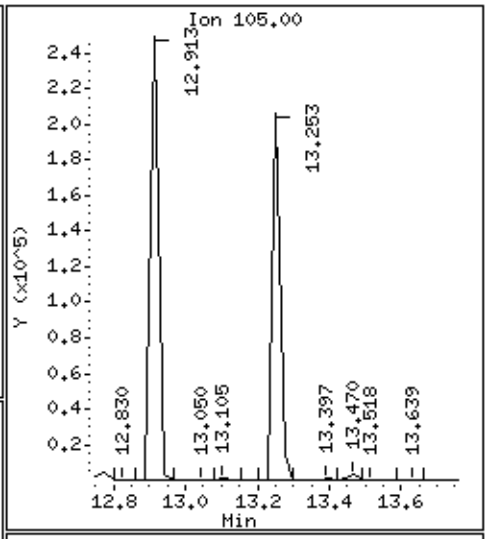
Column phase: DB-5.625

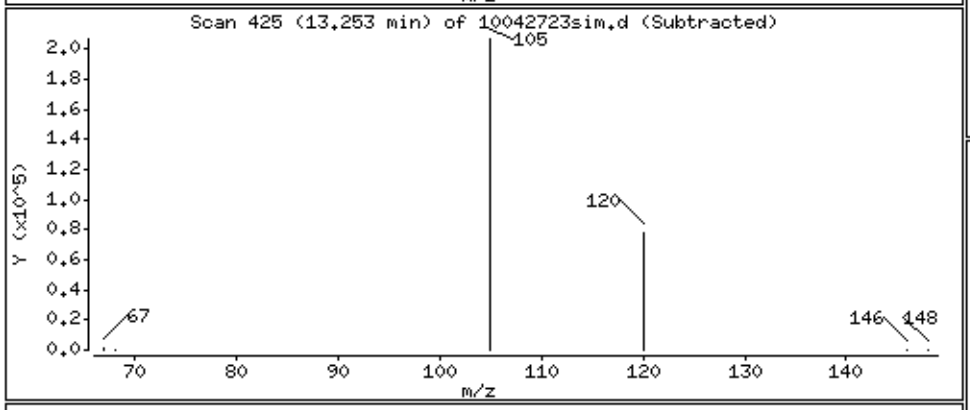
Column diameter: 0.25

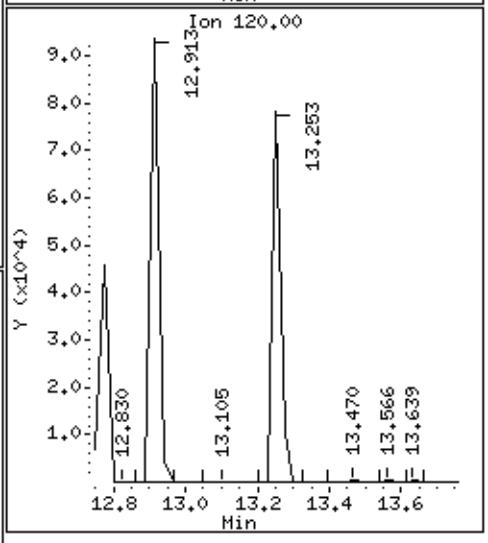
42 1,2,4-Trimethylbenzene

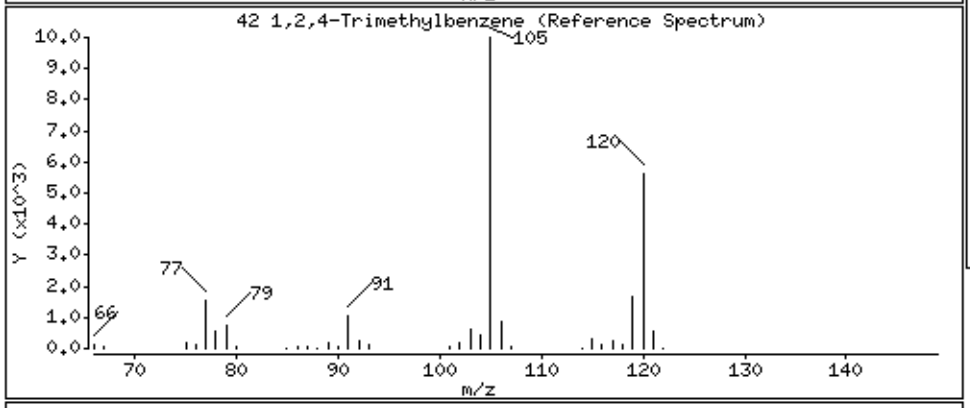
Concentration: 9.50696 ug

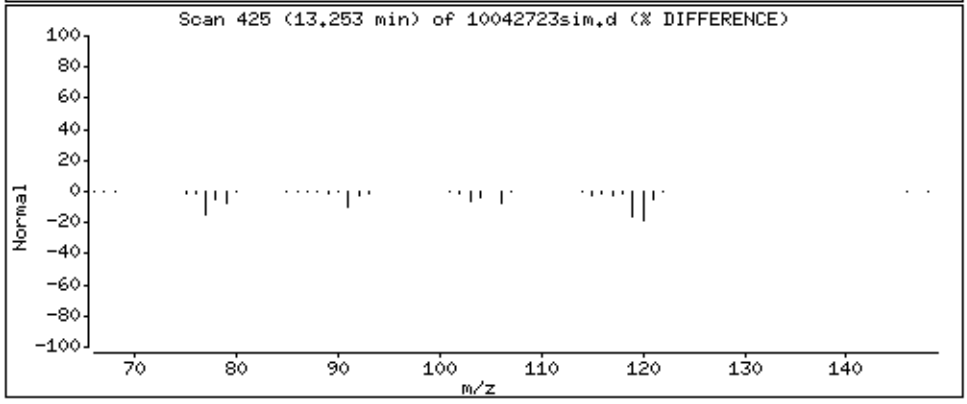












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

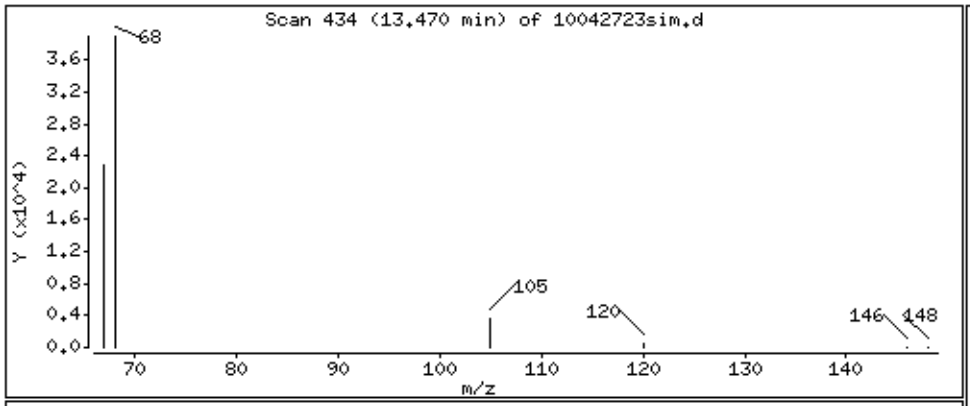
Operator: gm

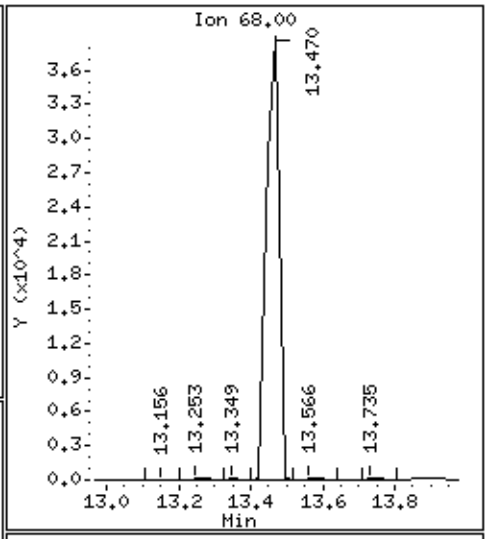
Column phase: DB-5.625

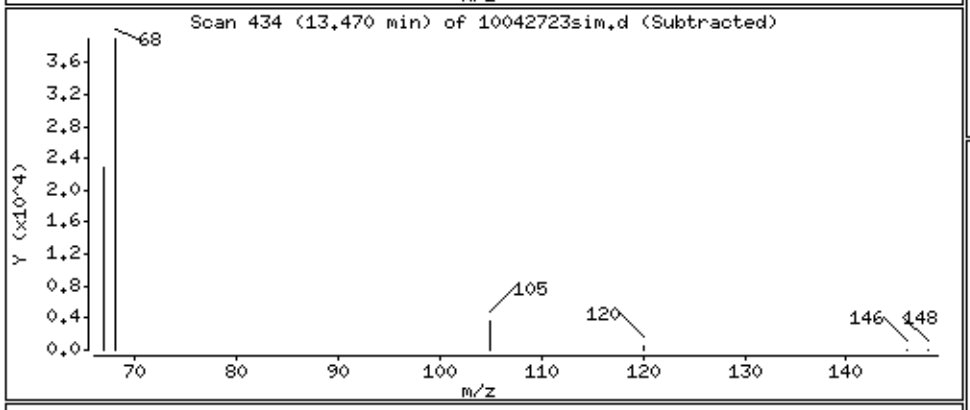
Column diameter: 0.25

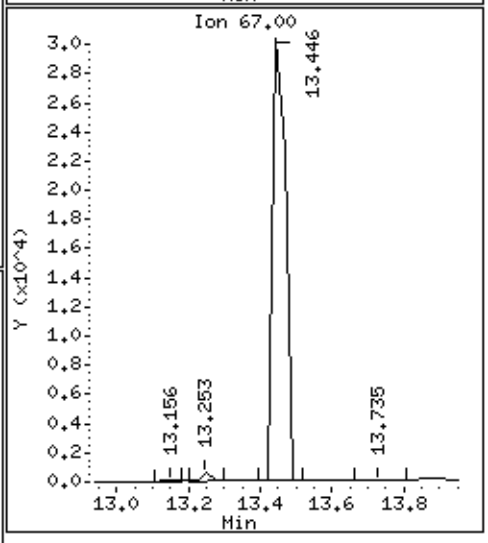
43 R-(+)-Limonene

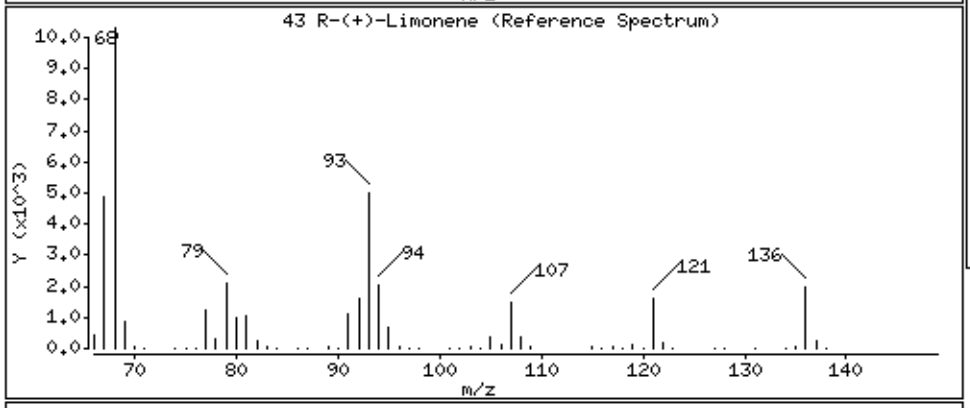
Concentration: 9.90917 ug

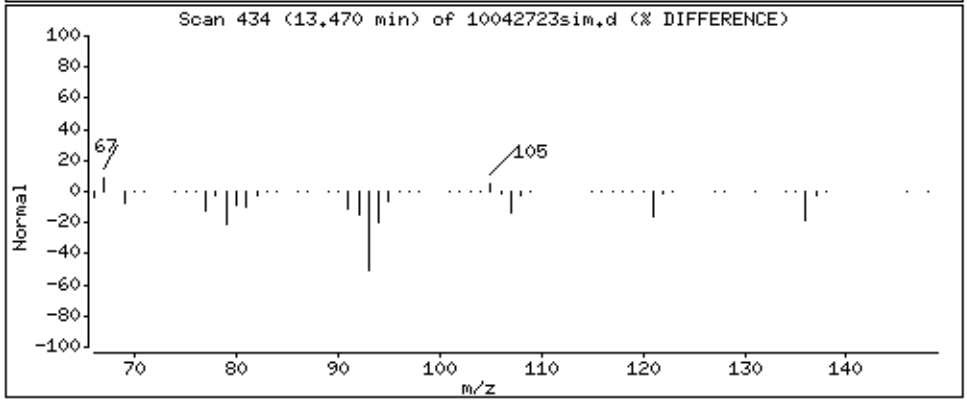












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

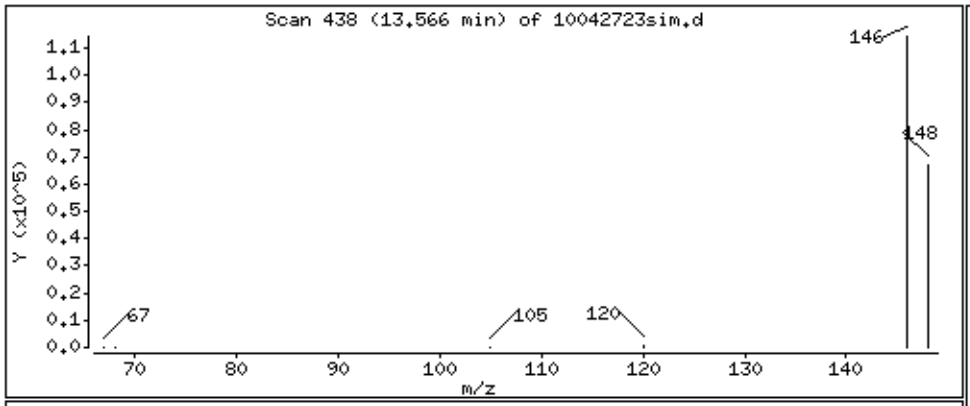
Operator: gm

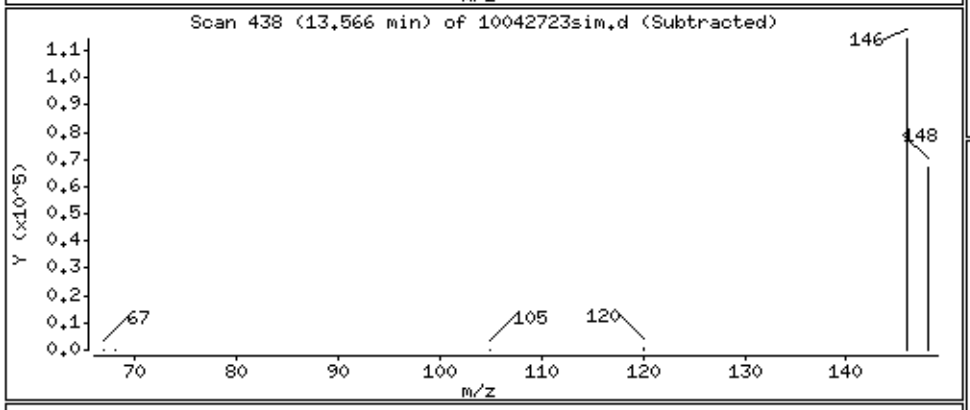
Column phase: DB-5.625

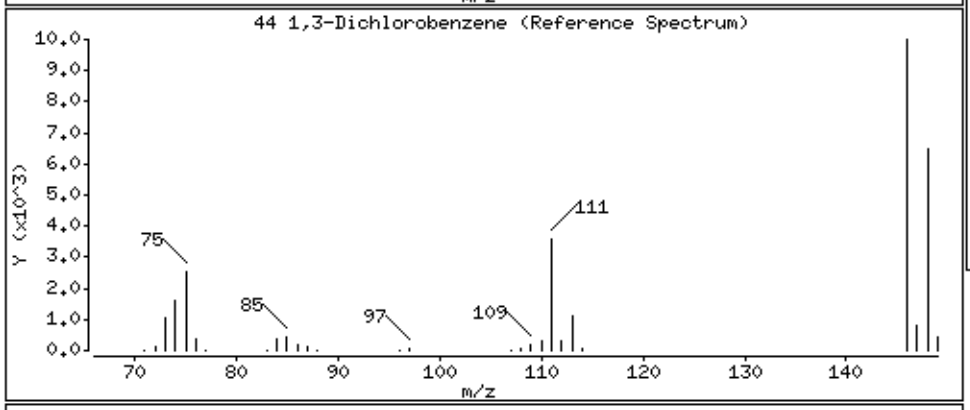
Column diameter: 0.25

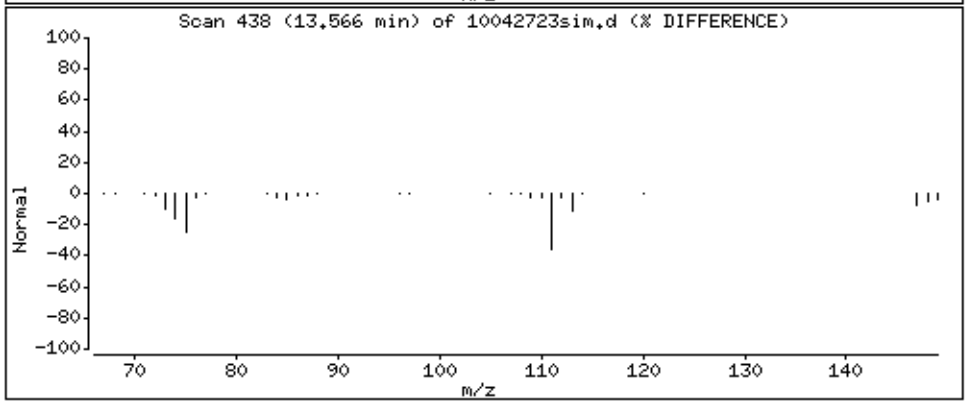
44 1,3-Dichlorobenzene

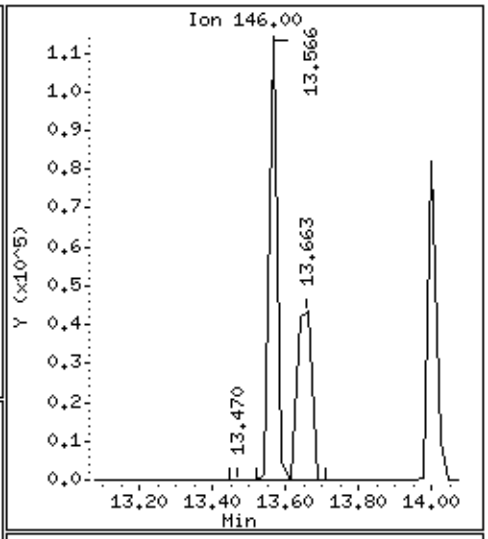
Concentration: 8.01954 ug

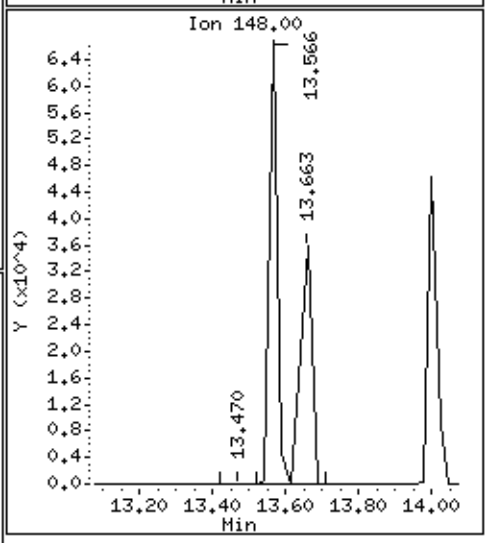












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

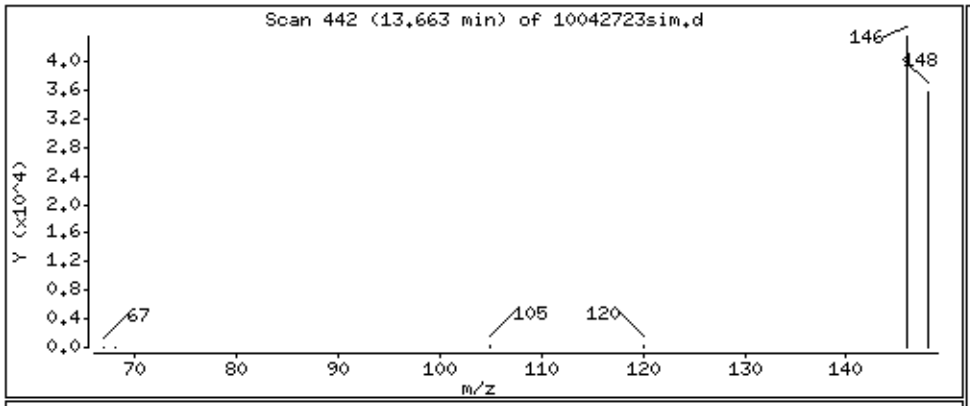
Operator: gm

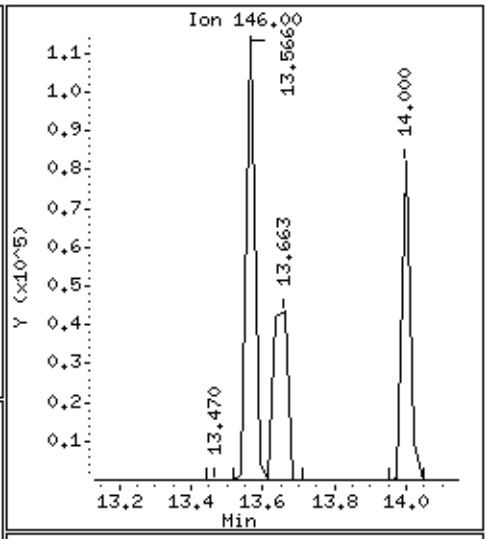
Column phase: DB-5.625

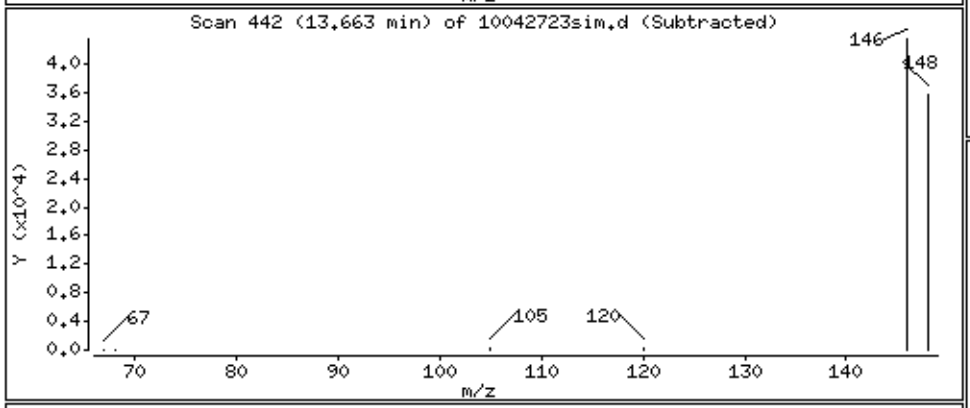
Column diameter: 0.25

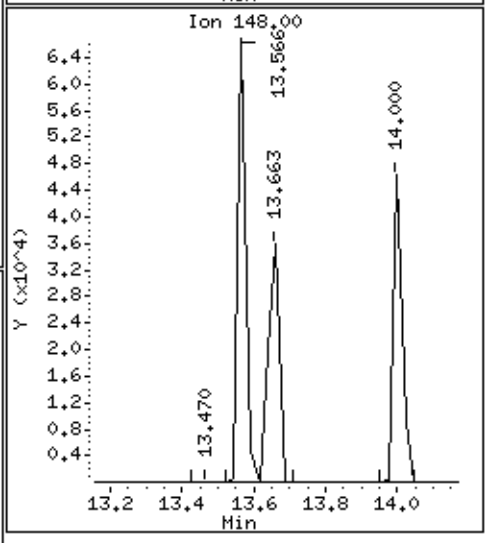
45 1,4-Dichlorobenzene

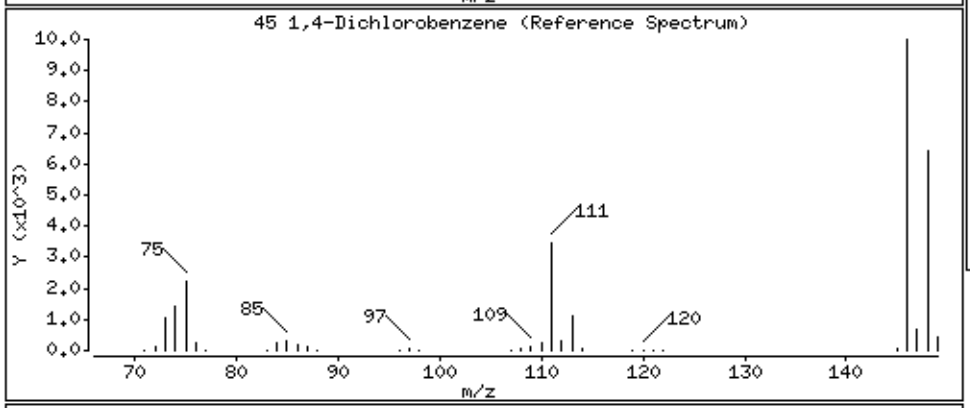
Concentration: 7.46992 ug

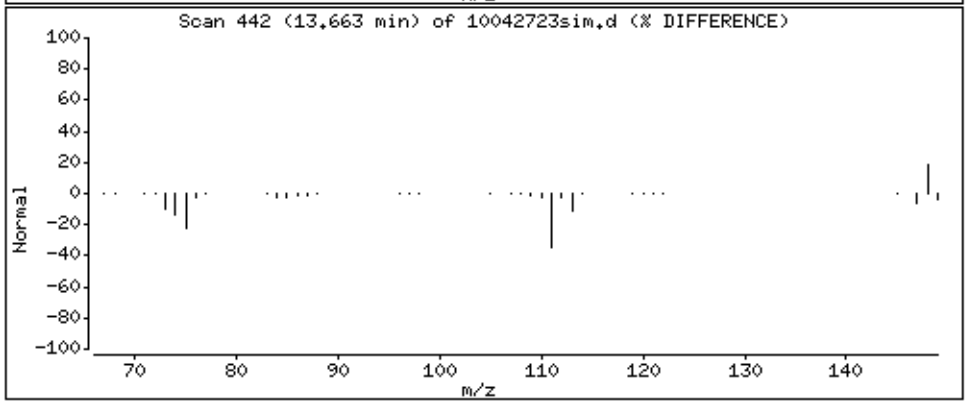












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

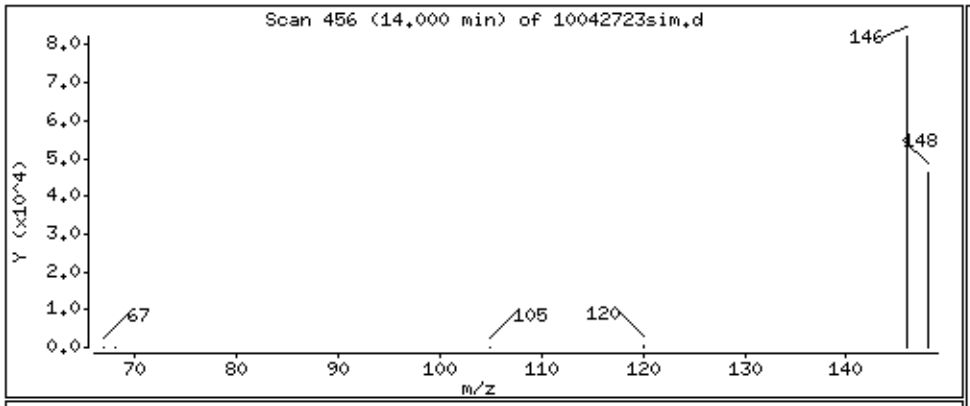
Operator: gm

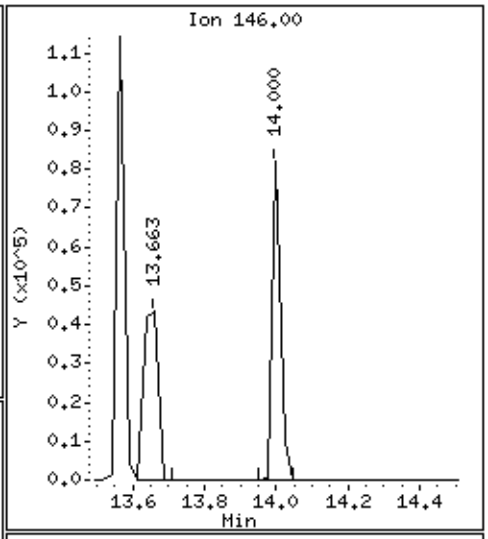
Column phase: DB-5.625

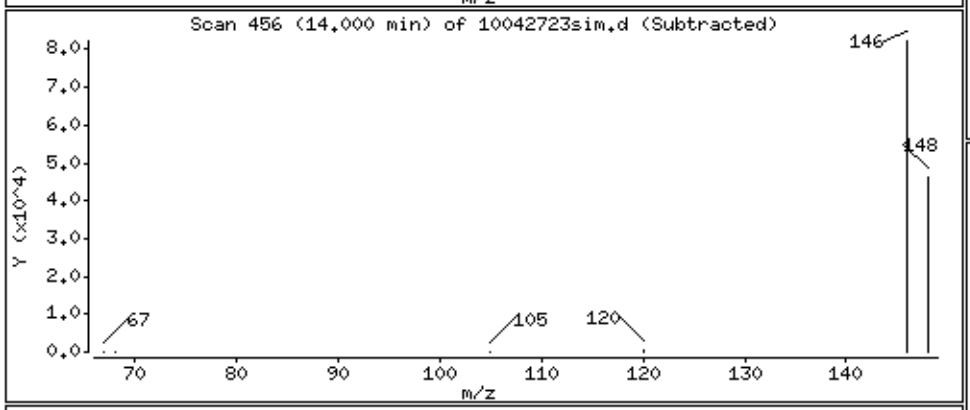
Column diameter: 0.25

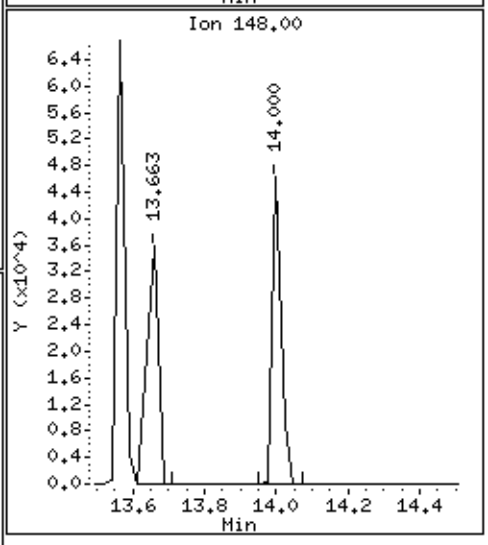
46 1,2-Dichlorobenzene

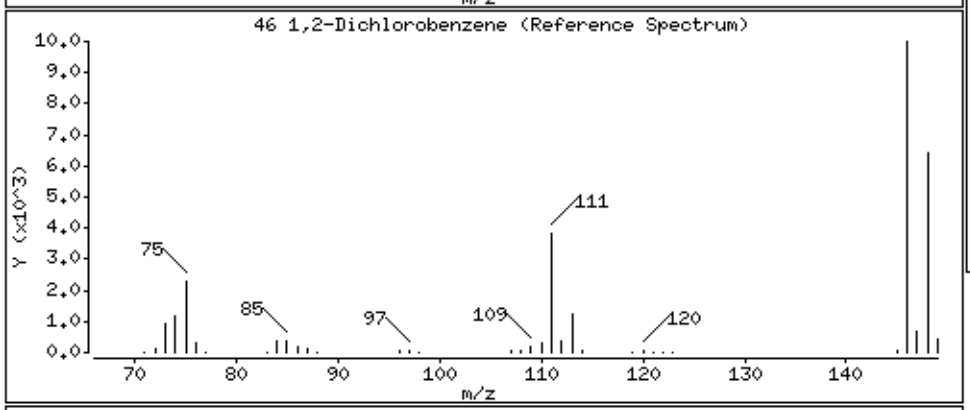
Concentration: 7.10982 ug

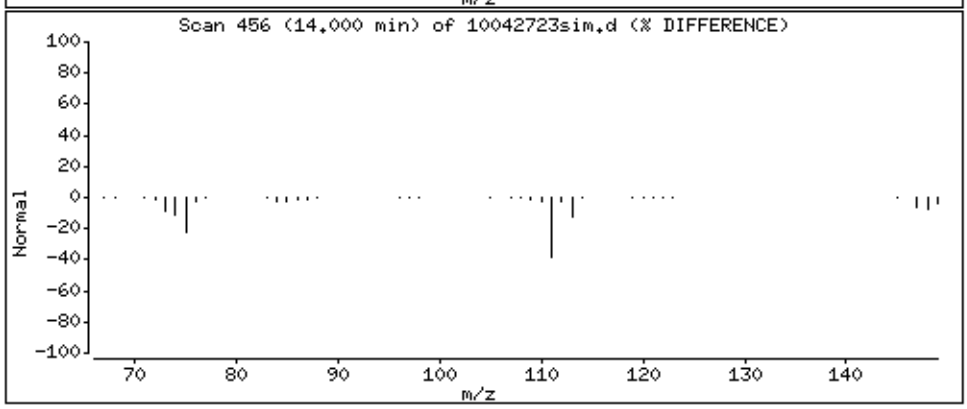












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

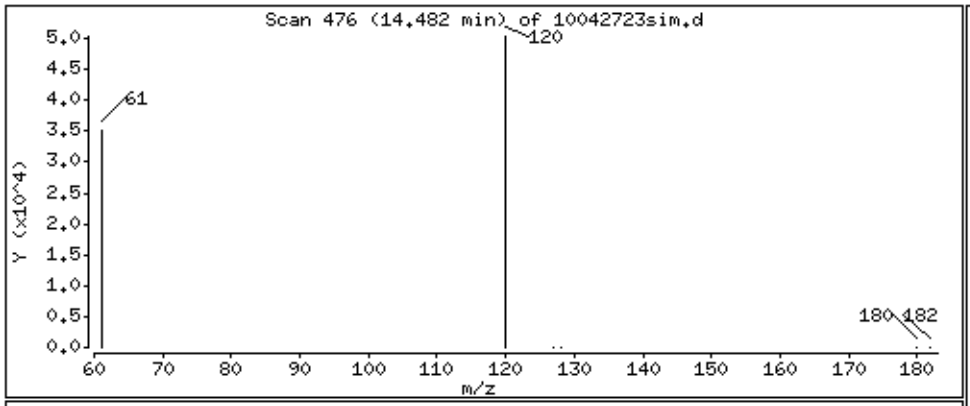
Operator: gm

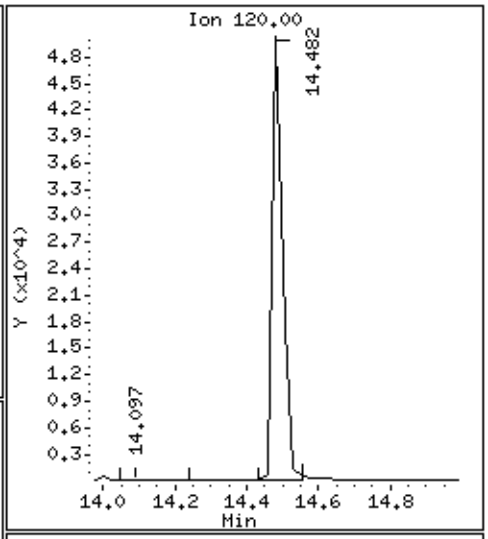
Column phase: DB-5.625

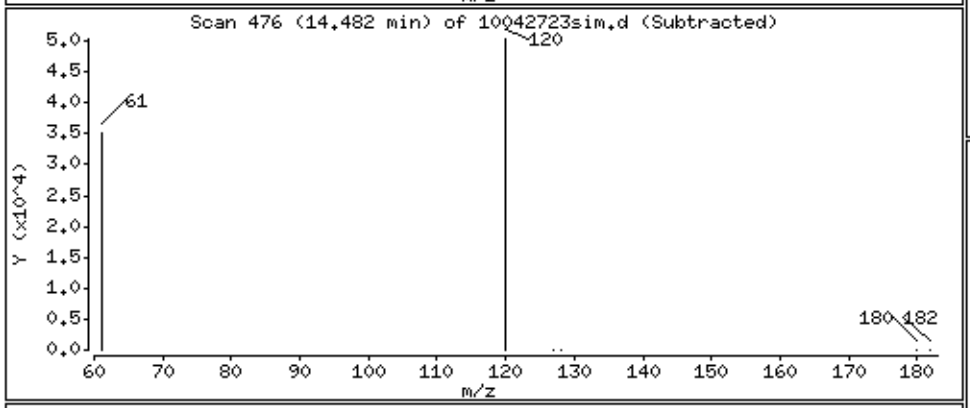
Column diameter: 0.25

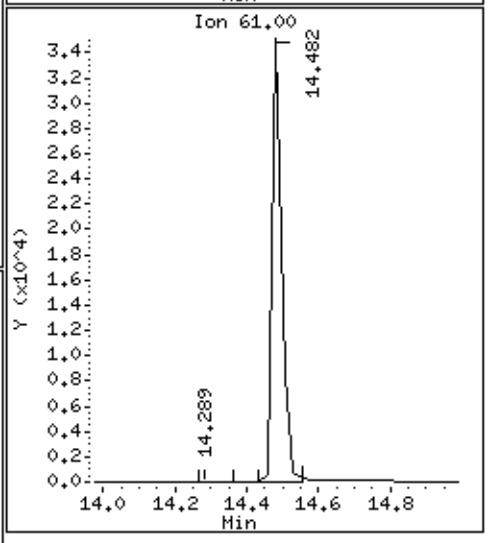
47 1,4-Dithiane

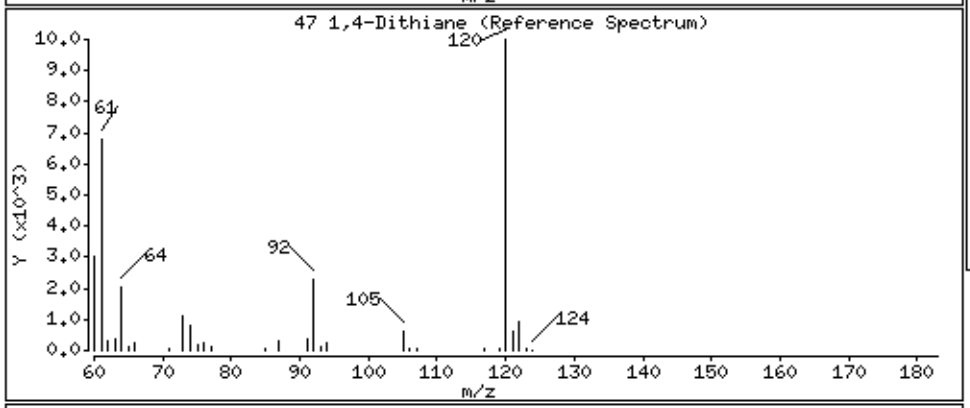
Concentration: 8.67477 ug

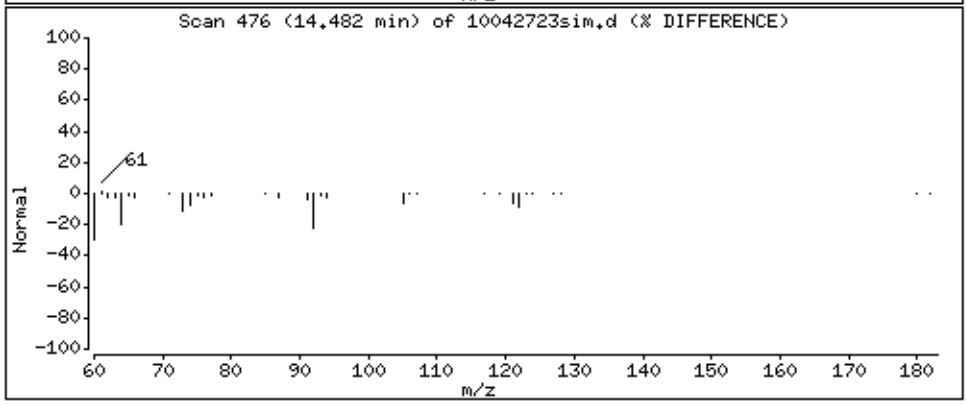












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

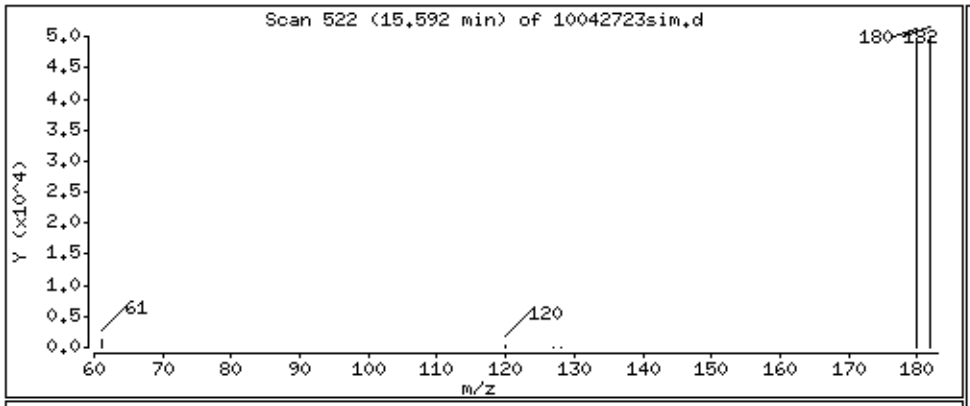
Operator: gm

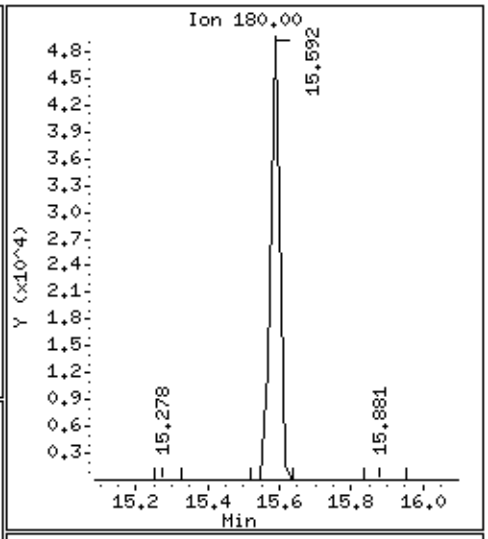
Column phase: DB-5.625

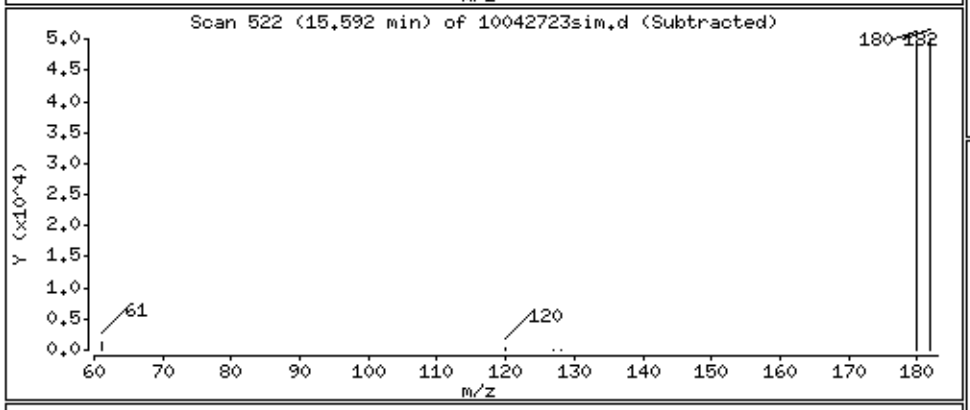
Column diameter: 0.25

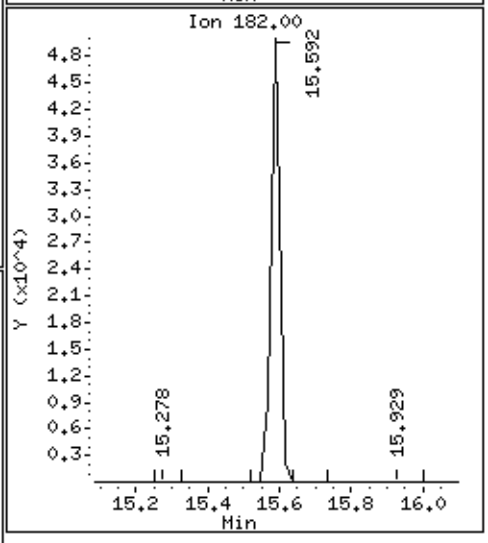
48 1,2,4-Trichlorobenzene

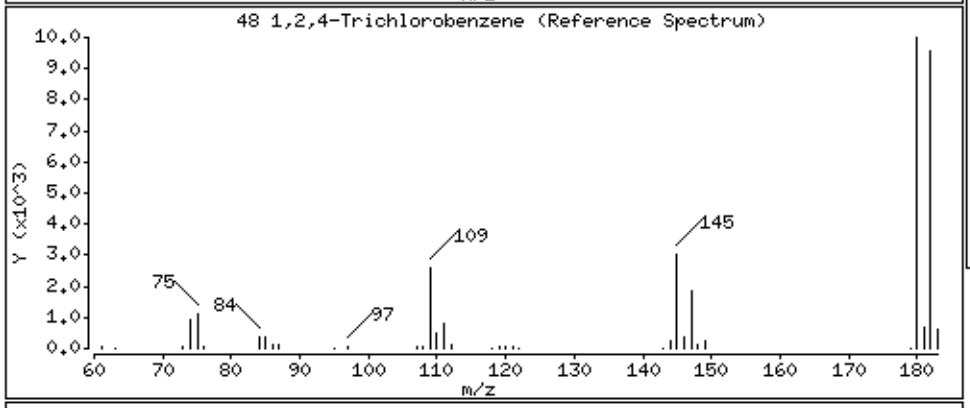
Concentration: 6.00364 ug

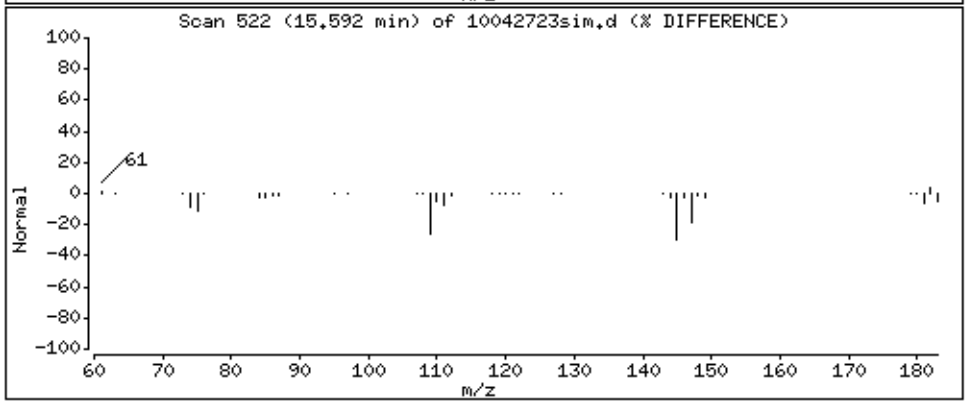












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

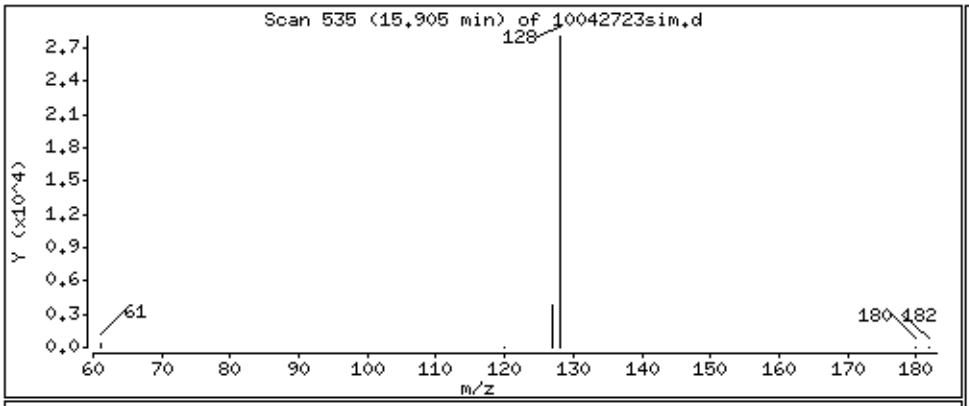
Operator: gm

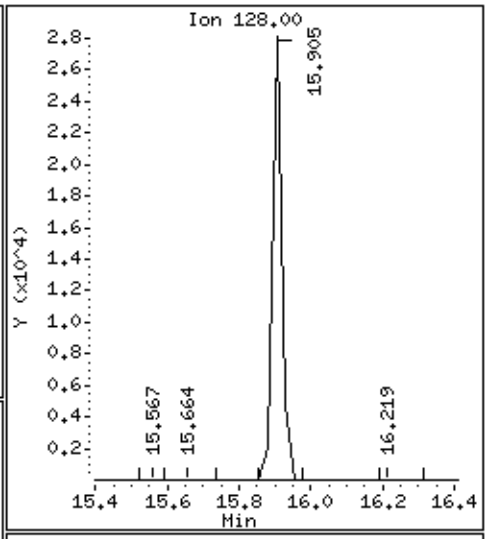
Column phase: DB-5.625

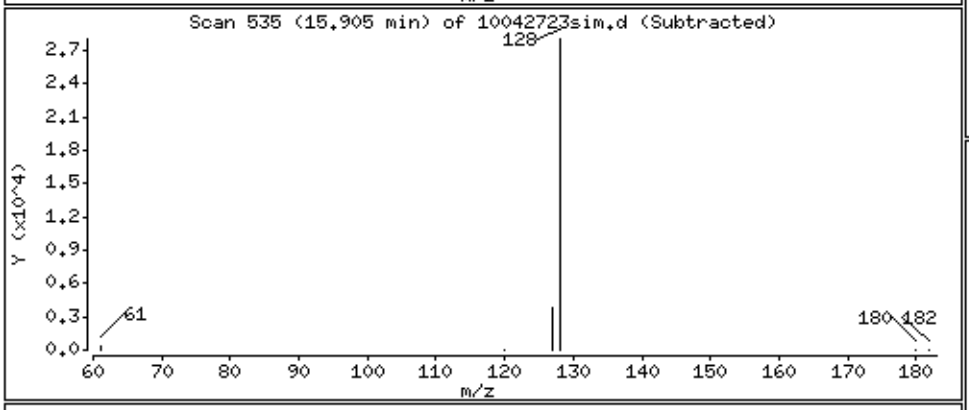
Column diameter: 0.25

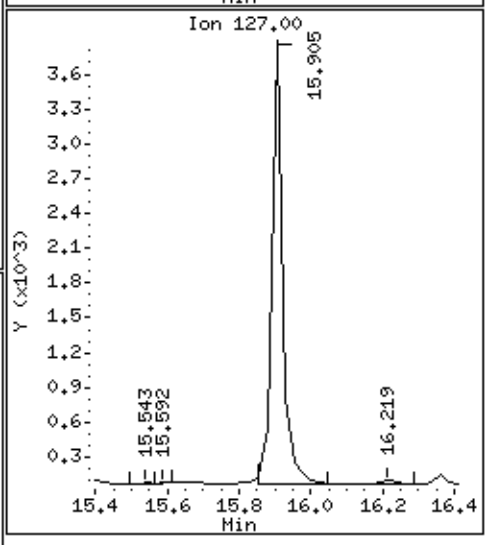
49 Naphthalene

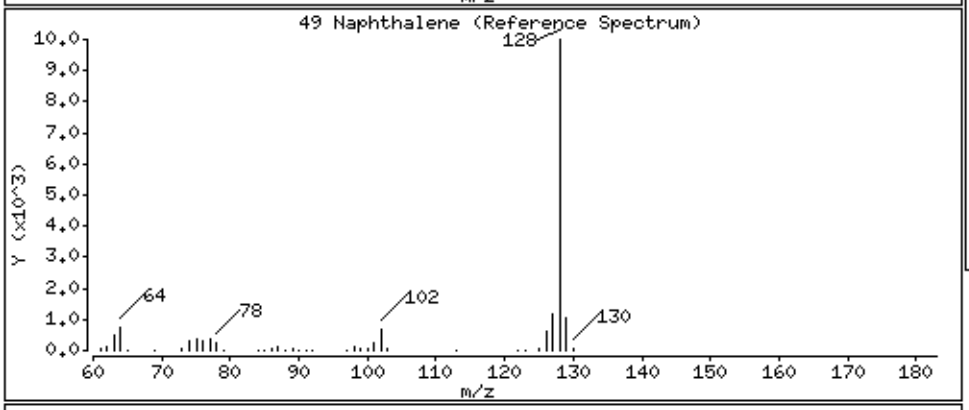
Concentration: 0.948052 ug

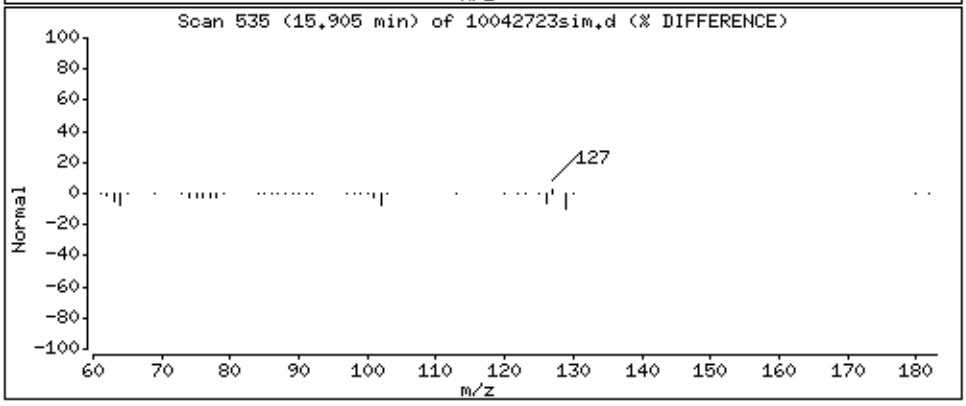












Data File: /chem/msd10.i/27Apr2015.b/10042723sim.d

Date : 27-APR-2015 16:37

Client ID: LCSD

Instrument: msd10.i

Sample Info: ;1504283/459;LCSD

Volume Injected (uL): 1.0

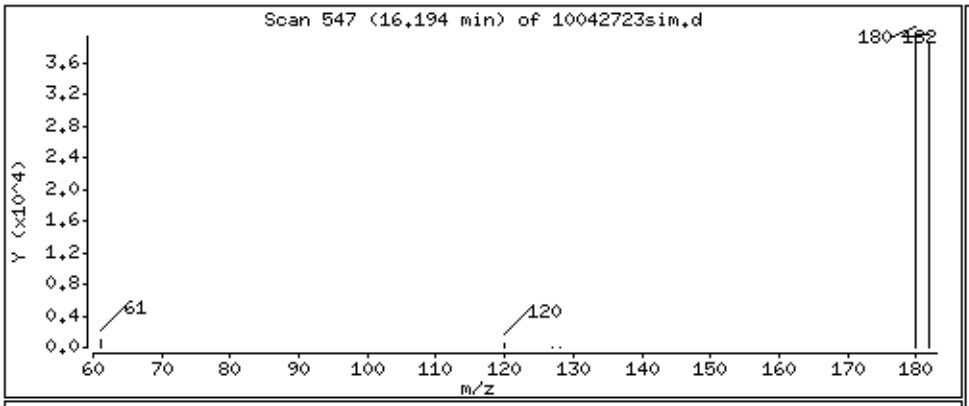
Operator: gm

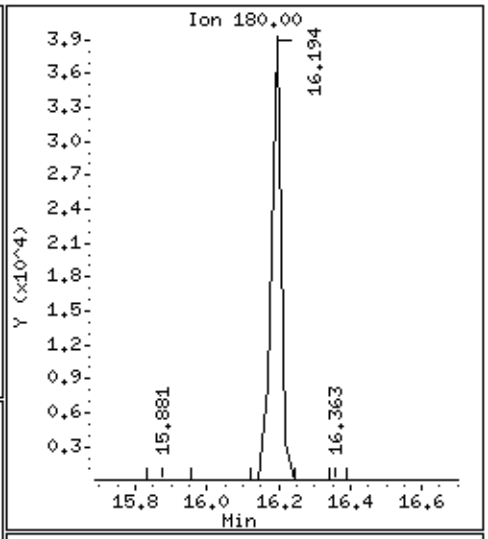
Column phase: DB-5.625

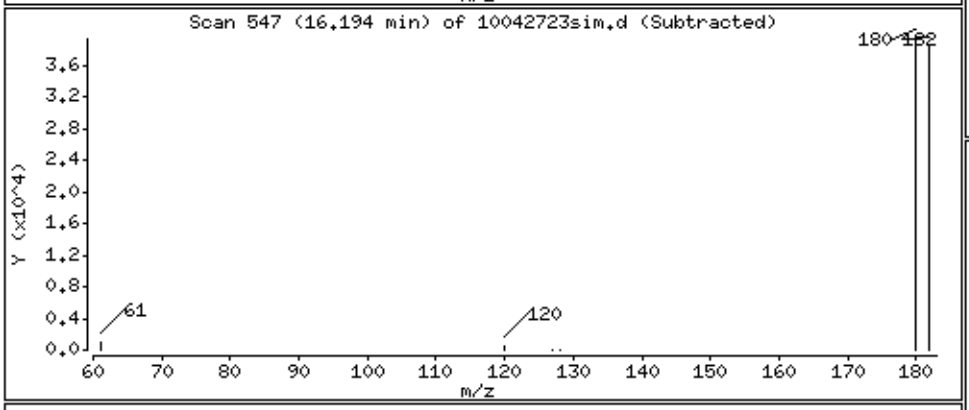
Column diameter: 0.25

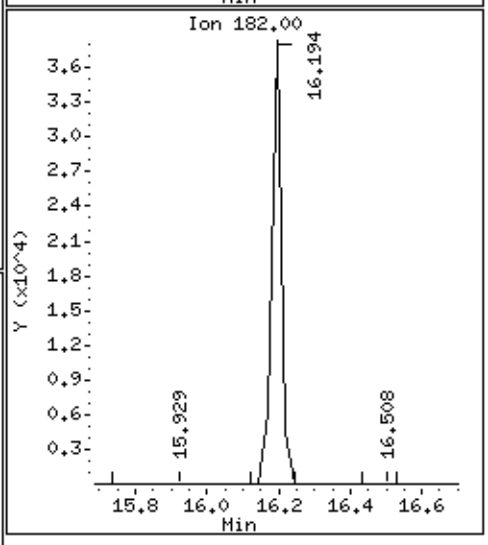
50 1,2,3-Trichlorobenzene

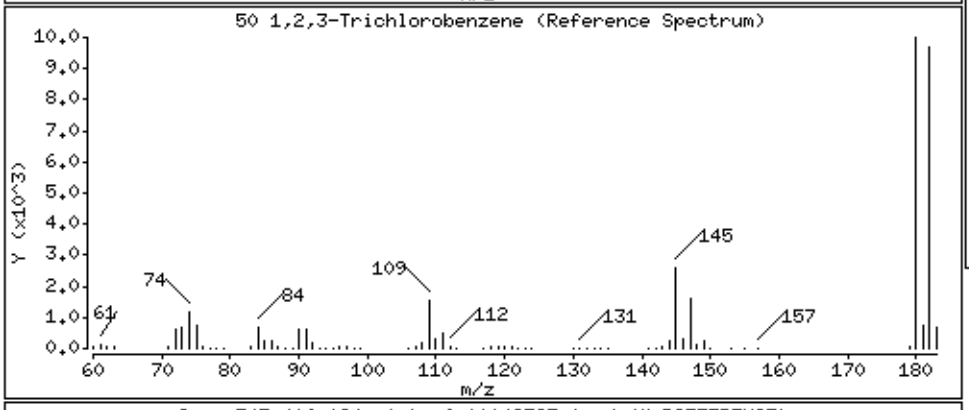
Concentration: 4.93721 ug

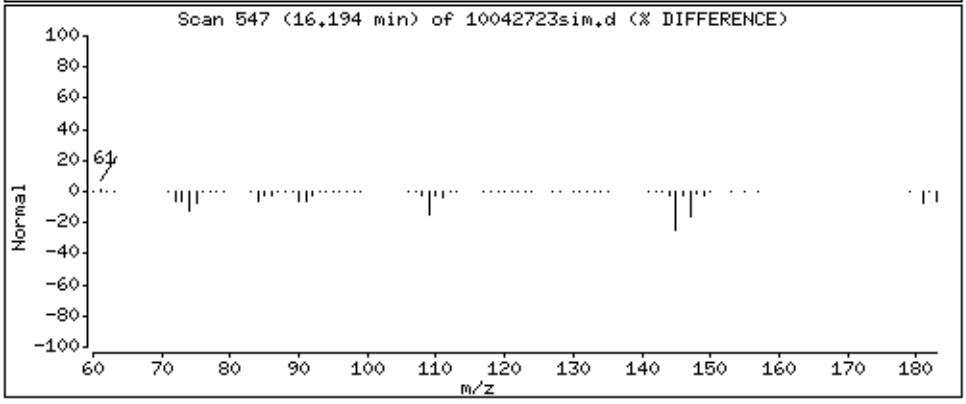












Eurofins Air Toxics, Inc.

Application Sample Preparation Logbook **Logbook #: 2679**

Work Order # 1504283 **Solvent:** CS_2 **Lot #:** 144325

GC/GCMS Application # 48 **Spike I.D.:** 2595-220-500 **Exp.:** 8/19/15

Date Prepared 4/27/15 **N2/Zero Air** NA

Matrix type Rad 130 **IS + Surr ID** 2595-215-125 **Exp.:** 8/20/15

Fraction	Clients I.D. #	Sample Weight or Cartridge type & size	Final Volume (mL)	Spike Amount (uL or mL)	IS +Surr (uL)	Comments
LCS	NA	Rad 130 LOT# 150114	2.0mL	20uL	80uL	
BLK	↓	↓	↓	NA	↓	
1504283-01A	201500 8077	Unknown	↓	↓	↓	613 NL
1504459-01A	765 NP ✓	↓	↓	↓	↓	
-02A	764 NP ✓	↓	↓	↓	↓	
-03A	915 NP ✓	↓	↓	↓	↓	
-04A	913 NP ✓	↓	↓	↓	↓	
-05A	914 NP ✓	↓	↓	↓	↓	
					gm	4/27/15

Procedure: gm 4/27/15

Procedure for Radiello Extraction

1. Add 80uL of a internal standard and surrogate STD mix (2595-215-125) to all samples, lab Blank and desorption levels
2. Add spike standard (2595-220-500, 20uL) to LCS
3. Add 2mL Carbon Disulfide to all samples, Lab Blank and all desorption levels and shake for 30 minutes.
4. Transfer the extracts to 2mL vials and analyze them.

Reviewed by: gm Date: 4/27/15

Eurofins Air Toxics, Inc. **MSD-10** **Logbook #: 2686**

BFB Injection Date: 4/27/15
BFB Injection Time: 0806
BFB File ID: 10042701

IS/S Std.#: 2595 215-125	Exp. Date: 8/20/15
2-Fluorotoluene SIM: 216118	

Verified CCV IS vs ICAL mid-point (-50% to +100% D) gnv *initials*

Calculation Check:

µg/L of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} \times DF = \frac{(10844)}{(301168)} \times \frac{(5.0)}{(0.80940)} \times 2.00 =$ 0.44 ug

File ID: 10042730SIM
Compound: Benzene
Initials: gnv

Reported Result 0.44 ug

	Use	File #	Sample / Client Name	Vial #	DF	Date Analyzed	Time Analyzed	Initial	Comments
1	✓	10042701	2299-807 BFB	1	1.00	4/27/15	0806	gnv	
2	✓	02	CS_2 Blank	2			0817		
3	✓	03	2595-224-0.05→0.025	3			0840		Level 1 (m,p-xylene)
4	✓	04	2595-224-0.05	4			0904		Level 2
5	✓	05	-0.10	5			0927		Level 3
6	✓	06	-0.20	6			0951		Level 4
7	X	07	-0.50	7			1014		Level 5
8	✓	08	-1.0	8			1038		Level 6
9	✓	09	-5.0	9			1101		Level 7 (CCV)
10	✓	10	-20	10			1125		Level 8
11	✓	11	-50	11			1148		Level 9
12	✓	12	2595-218-500→100	12			1214		Level 10 (20:100)
13	✓	13	→200	13			1237		Level 11 (40:100)
14	✓	14	CS_2 Blank	14			1301		
15	✓	15	2595-224-0.50	15	↓	↓	1325	↓	Level 5

Reviewed: gnv Date: 4/28/15

16	✓	10042716	2595-231-5	16	1.00	4/27/15	1350	JM	ICV Acetone, Hexane ✓
17	✓	17	↓	17	↓	↓	1415	↓	ICV (1-ow) ✓
18	✓	18	1504278-LCS	18	↓	↓	1438	↓	
19	✓	19	-LCSD	18	↓	↓	1502	↓	
20	✓	20	-BLK	19	↓	↓	1526	↓	
21	✓	21	-01A	20	↓	↓	1550	↓	
22	✓	22	1504283/459-LCS	21	↓	↓	1613	↓	
23	✓	23	-LCSD	21	↓	↓	1637	↓	
24	✓	24	-BLK	22	↓	↓	1701	↓	
25	✓	25	1504283-01A	23	↓	↓	1725	↓	
26	✓	26	1504459-01A	24	↓	↓	1749	↓	
27	✓	27	-02A	25	↓	↓	1812	↓	
28	✓	28	-03A	26	↓	↓	1836	↓	
29	✓	29	-04A	27	↓	↓	1900	↓	
30	✓	30	-05A	28	↓	↓	1924	↓	
31									
32									
33									
34									
35									
36									
37									

Comments:

JM 4/28/15

Reviewed: JM Date: 4/28/15

Eurofins Air Toxics Inc.

Data file : /chem/msd10.i/27Apr2015.b/10042701.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 27-APR-2015 08:06
Operator : gm Inst ID: msd10.i
Smp Info : ;2299-807;BFB
Misc Info :
Comment :
Method : /var/chem/msd10.i/27Apr2015.b/bfbr.m
Meth Date : 27-Apr-2015 08:00 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
6.440	6.490	-0.050	95	436629			100.00- 100.00	100.00
6.440	6.490	-0.050	50	99210			15.00- 40.00	22.72
6.440	6.490	-0.050	75	221824			30.00- 60.00	50.80
6.440	6.490	-0.050	96	28898			5.00- 9.00	6.62
6.440	6.490	-0.050	173	0			0.00- 2.00	0.00
6.440	6.490	-0.050	174	312085			50.00- 100.00	71.48
6.440	6.490	-0.050	175	23074			5.00- 9.00	7.39
6.440	6.490	-0.050	176	299968			95.00- 101.00	96.12
6.440	6.490	-0.050	177	19533			5.00- 9.00	6.51

Data File: /chem/msd10.i/27Apr2015.b/10042701.d

Date : 27-APR-2015 08:06

Client ID: BFB

Instrument: msd10.i

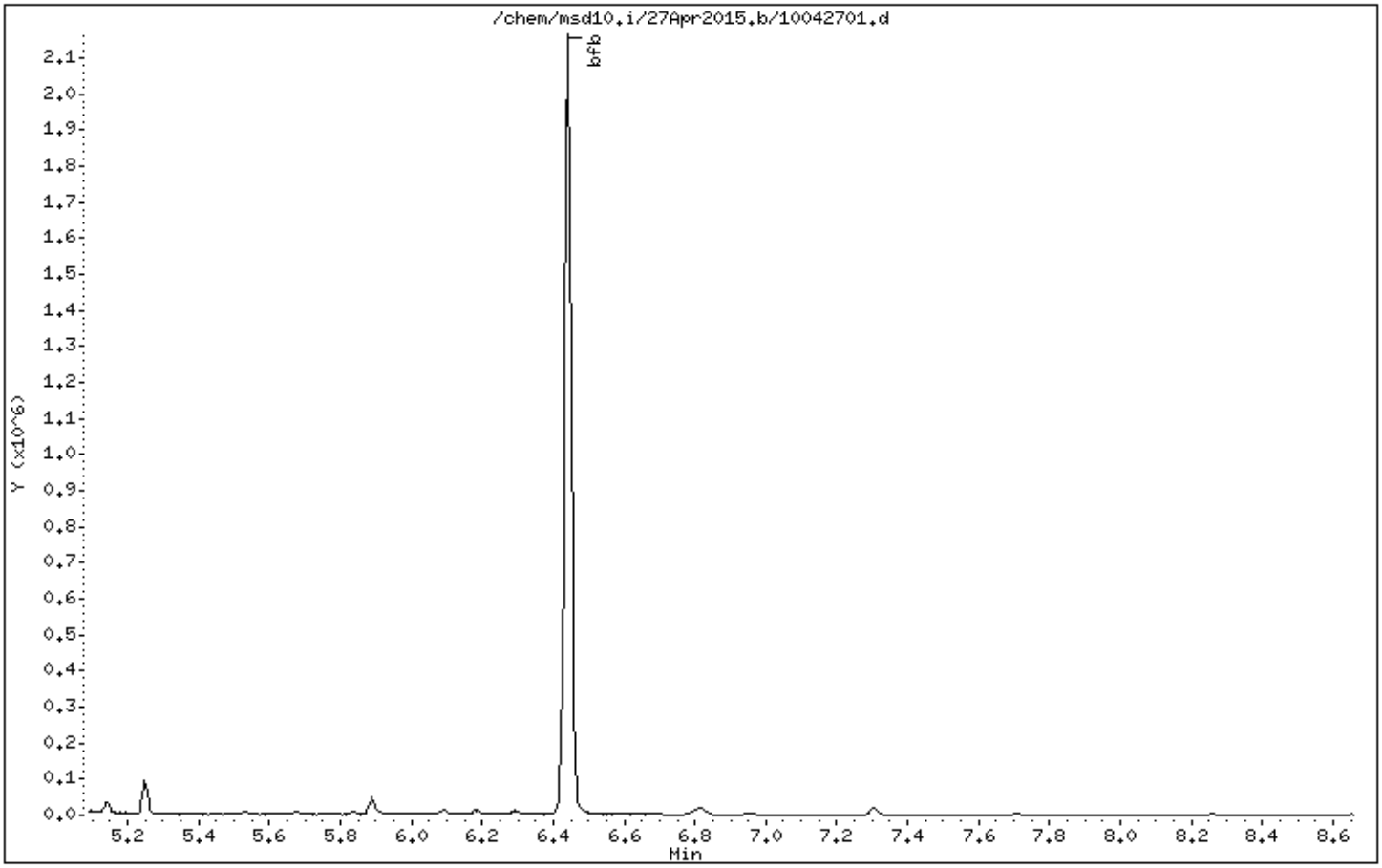
Sample Info: ;2299-807;BFB

Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00



Data File: /chem/msd10.i/27Apr2015.b/10042701.d

Date : 27-APR-2015 08:06

Client ID: BFB

Instrument: msd10.i

Sample Info: ;2299-807;BFB

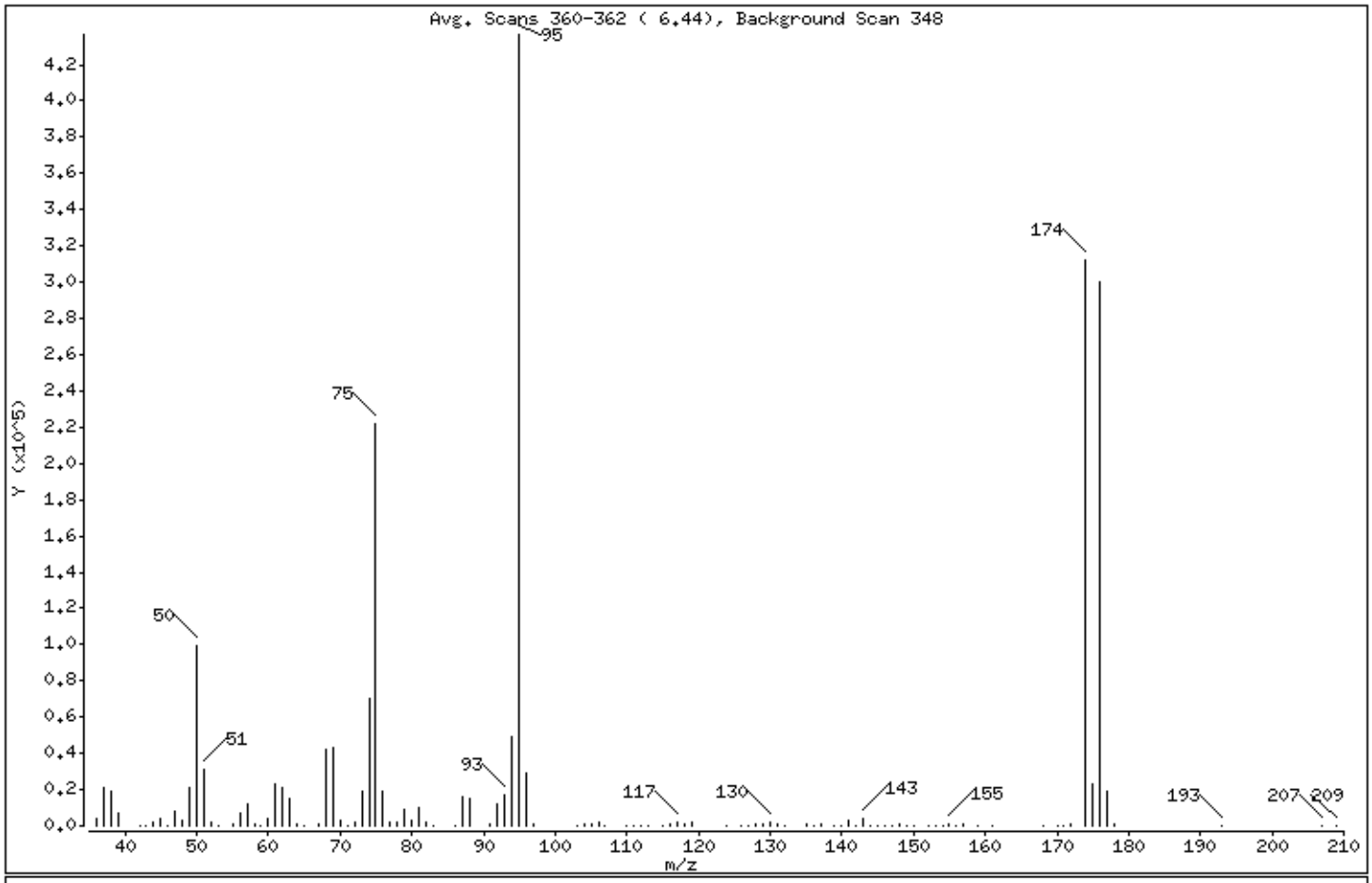
Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.72
75	30.00 - 60.00% of mass 95	50.80
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	71.48
175	5.00 - 9.00% of mass 174	5.28 (7.39)
176	95.00 - 101.00% of mass 174	68.70 (96.12)
177	5.00 - 9.00% of mass 176	4.47 (6.51)

Date : 27-APR-2015 08:06

Client ID: BFB Instrument: msd10.i

Sample Info: ;2299-807;BFB

Volume Injected (uL): 1.0 Operator: gm

Column phase: Column diameter: 2.00

Data File: 10042701.d
Spectrum: Avg. Scans 360-362 (6.44), Background Scan 348
Location of Maximum: 95.00
Number of points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4205	68.00	42088	105.00	627	144.00	314
37.00	21296	69.00	43240	106.00	1578	145.00	414
38.00	18720	70.00	3083	107.00	379	146.00	409
39.00	7036	71.00	73	110.00	122	147.00	432
42.00	72	72.00	2266	111.00	276	148.00	1018
43.00	136	73.00	18600	112.00	264	149.00	359
44.00	2134	74.00	70672	113.00	313	150.00	378
45.00	3779	75.00	221824	115.00	470	152.00	267
46.00	426	76.00	19176	116.00	1330	153.00	368
47.00	7916	77.00	2404	117.00	2272	154.00	151
48.00	2745	78.00	1645	118.00	1421	155.00	1265
49.00	20632	79.00	9448	119.00	1888	156.00	50
50.00	99208	80.00	2672	124.00	137	157.00	639
51.00	30800	81.00	9750	126.00	186	159.00	406
52.00	1518	82.00	2242	127.00	55	161.00	409
53.00	52	83.00	202	128.00	1426	168.00	78
55.00	1369	86.00	357	129.00	553	170.00	63
56.00	7182	87.00	16347	130.00	1651	171.00	416
57.00	12015	88.00	15386	131.00	508	172.00	891
58.00	652	91.00	1408	132.00	117	174.00	312064
59.00	95	92.00	11843	135.00	590	175.00	23072
60.00	4092	93.00	17432	136.00	65	176.00	299968
61.00	22672	94.00	49352	137.00	736	177.00	19528
62.00	21544	95.00	436608	139.00	111	178.00	513
63.00	15526	96.00	28896	140.00	221	193.00	69
64.00	1471	97.00	936	141.00	3289	207.00	150
65.00	277	103.00	163	142.00	475	209.00	85
67.00	1104	104.00	1474	143.00	3794		

Shipping/ Receiving Documents

eurofins | Air Toxics

Eurofins Air Toxics, Inc. Sample Receipt Confirmation Cover Page

Thank you for choosing Eurofins Air Toxics, Inc. (EATL). We have received your samples and have listed any Sample Receipt Descrepancies below.

In order to expedite analysis and reporting, please review the attached information for accuracy.

For corrections call: **Air Toxics, Ltd. at 916-985-1000**

EATL will proceed with the analysis as specified on the Chain of Custody (COC) and Sample Receipt Summary page.

Please note : The Sample Receipt Confirmation, including the total workorder charge, is subject to change upon secondary review. Our aim is to provide a confirmation to you in a timely manner. Sample Receipt Discrepancies, if any, may not include discrepancies regarding sample receipt pressure(s). Additionally, the COC will be provided with the final report.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 6:30 A.M to 5:30 P.M. PST

PASSIVE SAMPLE COLLECTION

@Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630
(916) 985-1000 FAX (916) 985-1020

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

Page ____ of ____

Project Manager DON GRUBER

Collected by: (Print and Sign) ED GILLERA/RIZ SARMIENTO

Company GILBANE Email rsarmiento@gilbaneco.com

Address 2730 SHADELANDS DR City WC State CA Zip 94598

Phone 925-946-3414 Fax

Project Info:
P.O. #
Project #
Project Name

Turn Around Time: ☑ Normal ☐ Rush ____ specify

Reporting Units: ☐ ppmv ☐ ppbv ☑ µg/m3 ☐ mg/m3

Lab I.D.	Field Sample I.D. (Location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr : min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr : min)	Analysis Requested	Indoor Air	Outdoor Air	Workplace Monitoring	Other ( )
01A	965NP		04/16/15	1225	04/23/15	1103		☐	☐	☐	☐
02A	964NP		04/16/15	1015	04/23/15	1038		☐	☐	☐	☐
03A	915NP		04/17/15	1738	04/24/15	1250		☐	☐	☐	☐
04A	913NP		04/17/15	1230	04/24/15	1215		☐	☐	☐	☐
05A	914NP		04/17/15	1245	04/24/15	1235		☐	☐	☐	☐
								☐	☐	☐	☐
								☐	☐	☐	☐
								☐	☐	☐	☐
								☐	☐	☐	☐
								☐	☐	☐	☐
								☐	☐	☐	☐

Relinquished by: (signature) Date/Time 04/24/15 1650
Received by: (signature) Date/Time 4/25/15 0905

Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Sample Site Air Temperature:

Notes:

Lab Use Only

Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
FedEx		8.2°C	SPK	Yes No None	1504453

4/25/15

eurofins | Air Toxics

SAMPLE RECEIPT SUMMARY

WORKORDER 1504459R1

Client

Mr. Thomas Beer
Gilbane Company
2730 Shadelands Drive
Suite 100
Walnut Creek, CA 94598

Sales Rep: N/A

Phone

925-946-3100

Fax

925-256-8998

Date Promised: 07/06/15
Date Completed: 7/13/15
Date Received: 4/25/15
PO#: J163006400-002
Project#:

Total $: $ 0.00
Logged By: MH

Fraction	Sample #	Analysis	Collected	Amount$
01A	765NP	Passive S.E. RAD130/SKC	4/16/2015	$0.00
02A	764NP	Passive S.E. RAD130/SKC	4/16/2015	$0.00
03A	915NP	Passive S.E. RAD130/SKC	4/17/2015	$0.00
04A	913NP	Passive S.E. RAD130/SKC	4/17/2015	$0.00
05A	914NP	Passive S.E. RAD130/SKC	4/17/2015	$0.00
06A	Lab Blank	Passive S.E. RAD130/SKC	NA	$0.00
07A	LCS	Passive S.E. RAD130/SKC	NA	$0.00
07AA	LCSD	Passive S.E. RAD130/SKC	NA	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: SAIA/20267

BILL TO: Mr. Thomas Beer
Gilbane Company
2730 Shadelands Drive
Suite 100
Walnut Creek, CA 94598

Analysis Code: Other GC

TERMS: NET 45

Reporting Method: Passive SE GC/MS (Sp)-Gilbane (SAIA) v2

Sample Discrepancy Report

Identification

Initiated By: MS **Project ID:**20267 **PM**: KV **Date:** 4/27/2015 **Discrepancy Type:** ☐ **1.** ☒ **2.** ☐ **3.**

Workorder(s) affected:1504459 **Sample(s) affected:** 01A-05A

1. Sample Receipt Discrepancies

Narration Not Required:

1.1. ☐ Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.
1.2. ☐ No brass cap on canister.
1.3. ☐ Date of Collection noted on first sample, but no arrow down to indicate all samples.

Notify Lab for further determination:

1.4. ☐ Tedlar bag received with minimal volume.

Initials: _____ Date: _____

Narration Required in Lab Narrative and Sample Confirmation:

1.5. ☐ COC was not filled out in ink.
1.6. ☐ COC improperly relinquished / received.
1.7. ☐ Sample tags / can numbers do not match the COC.
1.8. ☐ Sample date ☐ error / ☐ missing on COC but noted on sample tag (check one).
1.9. ☐ Custody Seal on the outside of the container was ☐ broken / ☐ improperly placed (check one).
1.10. ☐ ID-none on the sample Tag/Blank
1.11. ☐ Other (describe below).

Describe the Discrepancy: _____

2. Sample Receipt/Screening Discrepancies requiring PM notification

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

If Section II. is filled out PM must be notified within 24 hrs of initiation

2.1. ☐ COC was not received with samples.
2.2. ☐ Analysis method(s) is ☐ not specified / ☐ incorrectly specified (check one) on the COC.
2.3. ☐ Incorrect sampling media / container for analysis requested.
2.4. ☐ Number of samples on the COC does not match the number of samples that were received.
2.5. ☐ Samples were received expired.
2.6. ☐ Sampling date (time for sulfur) is not documented for ☐ *some* / ☐ *any* samples (check one).
2.7. ☐ Sample received with amount of H_2O in the Tedlar Bag.
2.8. ☐ Sample cannot be analyzed. Container was ☐ received broken / ☐ leaking / ☐ flat / ☐ defective.
2.9. ☐ Tedlar bag / canister received emitting a strong odor; Sample ☐ can / ☐ cannot (check one) be analyzed.
2.10. ☐ Tedlar Bag for Sulfur analysis has metal fitting.
2.11. ☐ Environmental Supply Company valves
2.12. ☐ Sorbent samples-sampling volume was not provided
2.13. ☐ Flow controller used – canister samples received at ambient or under pressure.
2.14. ☐ Canister was at ambient pressure at time of pressurization and (check all that apply):
- ☐ Canister failed leak check on two manifolds,
- ☐ Canister valve was open,
- ☐ Brass nut was loose/not present.
- ☐ Sample can be analyzed
- ☐ Cannot be analyzed

2.15. ☐ Canister sample received with a vacuum difference >5.0"Hg between the receipt vac. And the final vac. reported on the COC, indicating loss of vacuum.
2.16. ☐ Canister sample received at >15"Hg (*not* identified as a Trip/Field Blank).
2.17. ☐ Canister Trip Blank received at low vacuum (<25"Hg).
2.18. ☒ Sorbent Sample received outside method required temperature of 2°C to 6°C; ☐ ice / ☒ blue ice (check one) was present. A temp. Blank ☐ was / ☒ was not present (check one).
2.19. ☐ Flow Controller RPD of = 20% was not met.
2.20. ☐ Other (describe below)

Initials: **MS** **Date:** **4/27/2015** **Notify Receiving:** ☐ **Notify PM:** ☐

Describe the Discrepancy: Temperature of samples at receivinf was measured to be 8.2 C

3. Lab Discrepancies requiring Team Leader/PM notification

Document in Analytical Notes of Lab Narrative

If Section III. is filled out PM must be notified within 24 hrs of initiation

3.1. ☐ Tedlar Bag found to be leaking at the time of analysis; sample ☐ can / ☐ cannot (check one) be analyzed.

3.2. ☐ Tedlar Bag found to be flat/low volume; sample cannot be analyzed.

3.3. ☐ Sulfur samples received with insufficient time to analyze prior to expiration.

3.4. ☐ Canister found to be leaking at the time of analysis.

3.5. ☐ VOST tube saturated; bag dilution necessary.

3.6. ☐ Sample loss due to instrument malfunction / broken glassware.

3.7. ☐ Low/high surrogate recoveries noted in QC/sample(s) for extractable samples.

3.8. ☐ Reporting Limit was raised.

3.9. ☐ Post weight > Pre weight in field/lab Blank for PM10/TSP samples.

3.10. ☐ Other (describe below).

Initials: _____ **Date:** _____ **Notify Receiving:** ☐ **Notify PM:** ☐ _____

Team Lead Initials: _____ **Date:** _____

Describe the Discrepancy: _____

_____

_____

How Does this Affect Client: _____

_____

_____

Project Manager Use Only

Project Manager Notification ☒ **Section 2 Complete** ☐ **Section 3 Complete**

Action:

☒ It is not necessary to notify the client. Narrate the discrepancy in Receiving Notes/Analytical Notes of Lab Narrative.

PM Initials:KCB Date: 4/28/2015

☐ Client notification required. See attached client contact / email, or comments below:

Client Notification:

PM Initials:_____ Person notified: _____ Date: _____

☐ Waiting for Client Reply

Comments: _____

_____

☐ Notify Lab Name: _____ Date: _____ **Notify Receiving:** ☐ _____

☐ **Additional notifications attached.**

Additional Comments:

_____

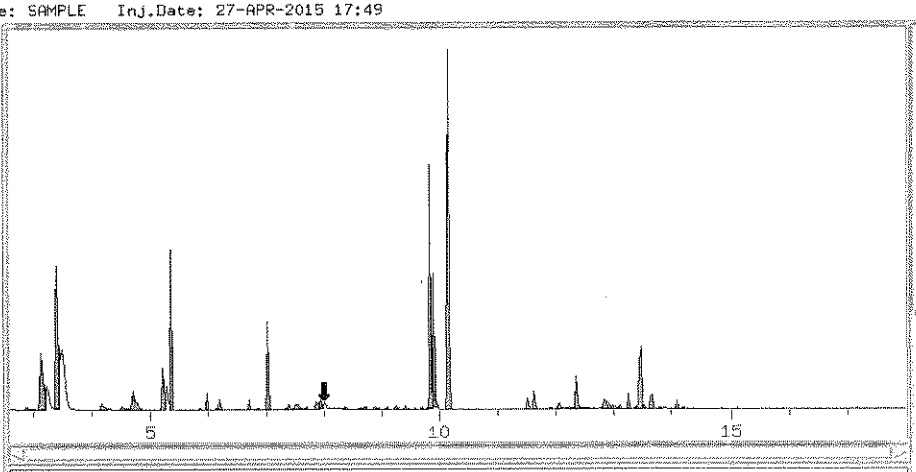
Other Records

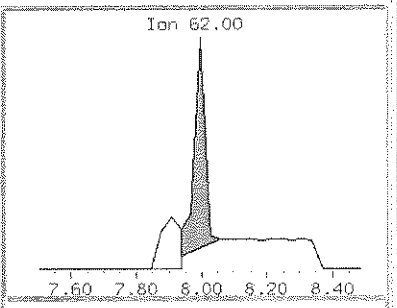
TargetReview: eeyore: 1504459-01A: /chem/msd10.i/27Apr2015.b/10042726simr1.d

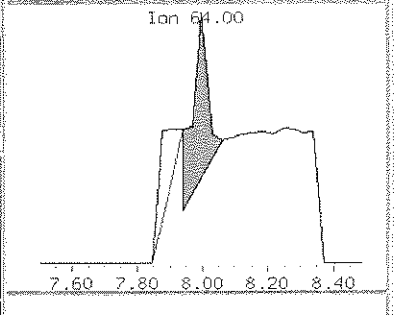
File Security Edit Display Process Spectra Help

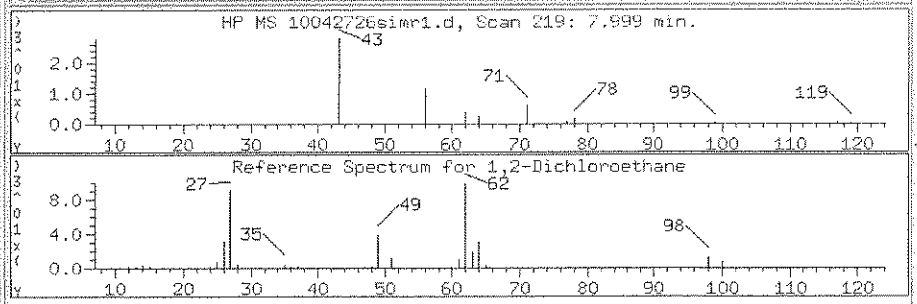
Sample: 1504459-01A Type: SAMPLE Inj.Date: 27-APR-2015 17:49

!	2	Vinyl Chloride
!	4	1,1-Dichloroeth
!	8	trans-1,2-Dich
	11	1,1-Dichloroeth
	14	cis-1,2-Dichlo
	17	1,1,1-Trichlor
+	19	Benzene
*	20	1,2-Dichloroet
+	22	Trichloroethen
$+	26	Toluene-d8
+	28	Toluene-CCC
*+	29	2-Fluorotoluen
!	30	1,1,2-Trichlor
+	31	Tetrachloroeth
+	33	Ethylbenzene-Cl
+	34	m,p-Xylene
+	36	o-Xylene
+	41	1,3,5-Trimethy
+	42	1,2,4-Trimethy
+	49	Naphthalene









10042726simr1.d
10042727simr1.d
10042728simr1.d
10042729simr1.d
10042730simr1.d

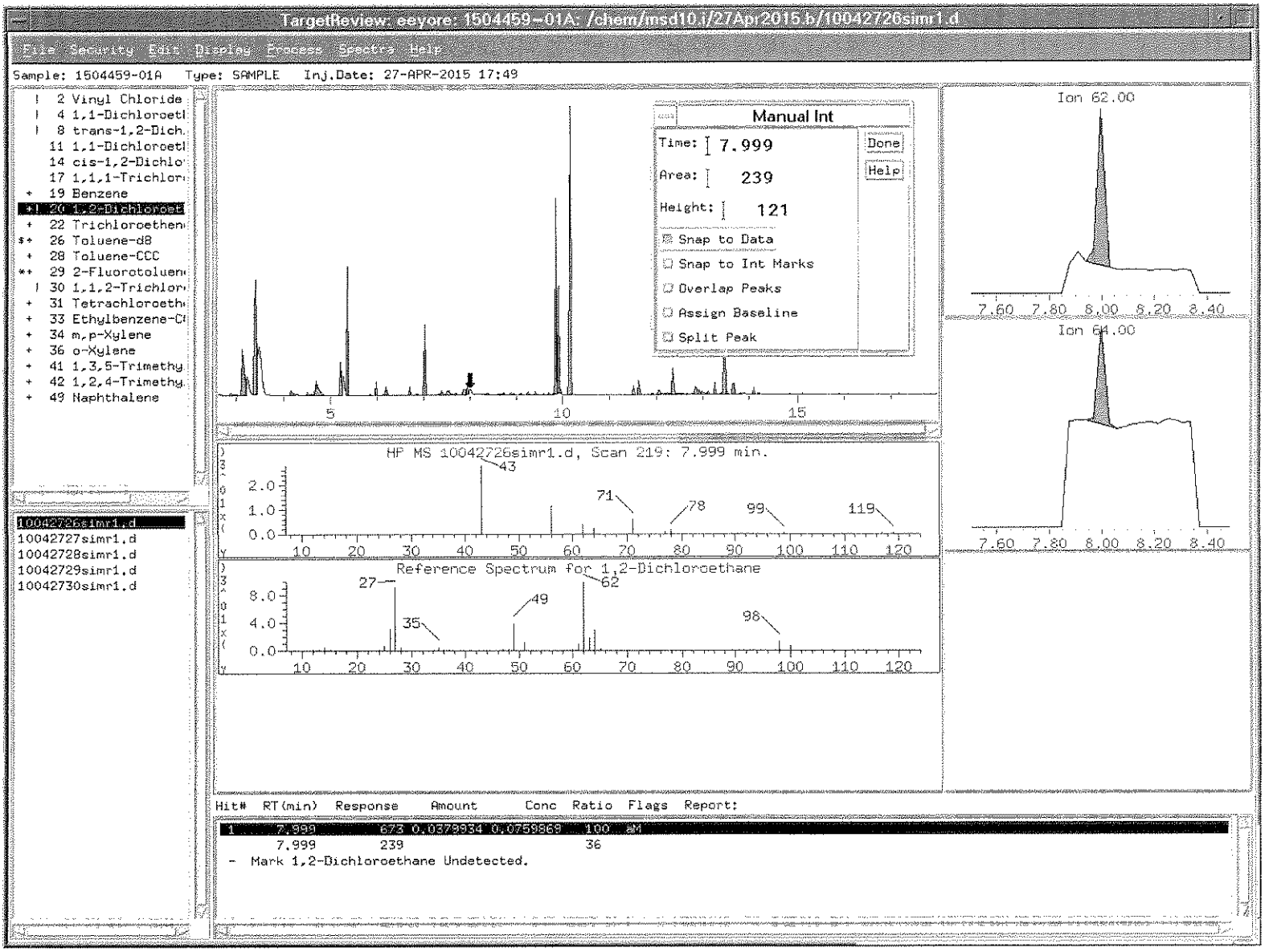
Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	7.907	401	0.0226327	0.0452654	100	a	
	7.907	244			61		
2	7.999	881	0.0497242	0.0994484	100	a	
	7.999	618			70		

- Mark 1,2-Dichloroethane Undetected.

Before

gm

7/13/15



After

Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

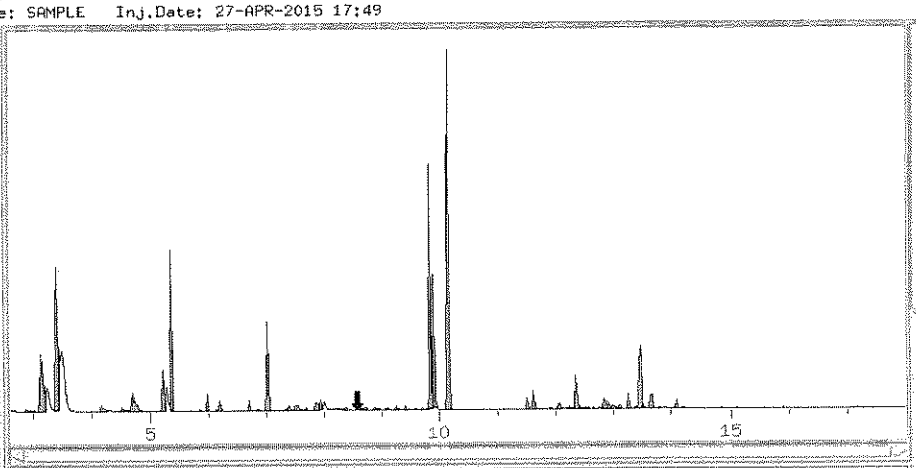
7/13/15

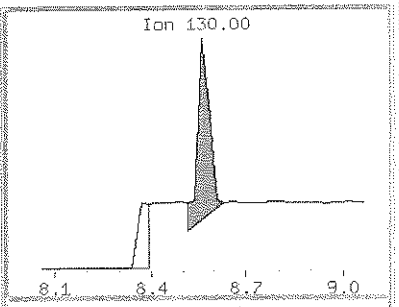
TargetReview: eeyore: 1504459-01A: /chem/msd10.i/27Apr2015.b/10042726simr1.d

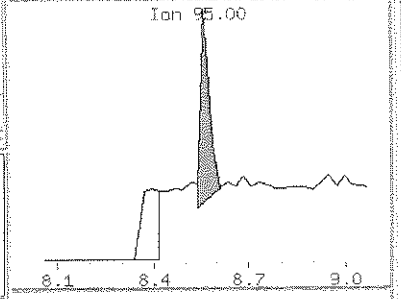
File Security Edit Display Process Spectra Help

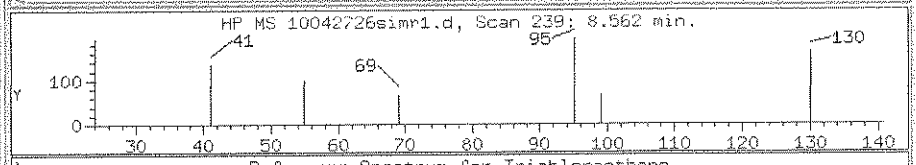
Sample: 1504459-01A Type: SAMPLE Inj.Date: 27-APR-2015 17:49

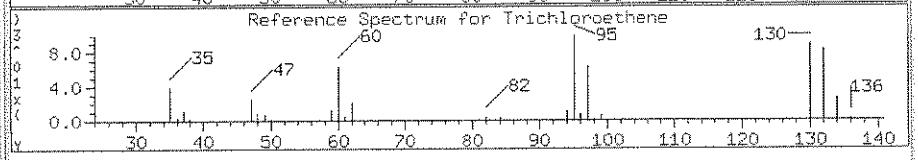
!	2	Vinyl Chloride
!	4	1,1-Dichloroeth
!	8	trans-1,2-Dich
	11	1,1-Dichloroeth
	14	cis-1,2-Dichlo
	17	1,1,1-Trichlor
+	19	Benzene
+!	20	1,2-Dichloroeth
	22	Trichloroethen
$+	26	Toluene-d8
+	28	Toluene-CCC
*+	29	2-Fluorotoluen
!	30	1,1,2-Trichlor
+	31	Tetrachloroeth
+	33	Ethylbenzene-C
+	34	m,p-Xylene
+	36	o-Xylene
+	41	1,3,5-Trimethy
+	42	1,2,4-Trimethy
+	49	Naphthalene











10042726simr1.d
10042727simr1.d
10042728simr1.d
10042729simr1.d
10042730simr1.d

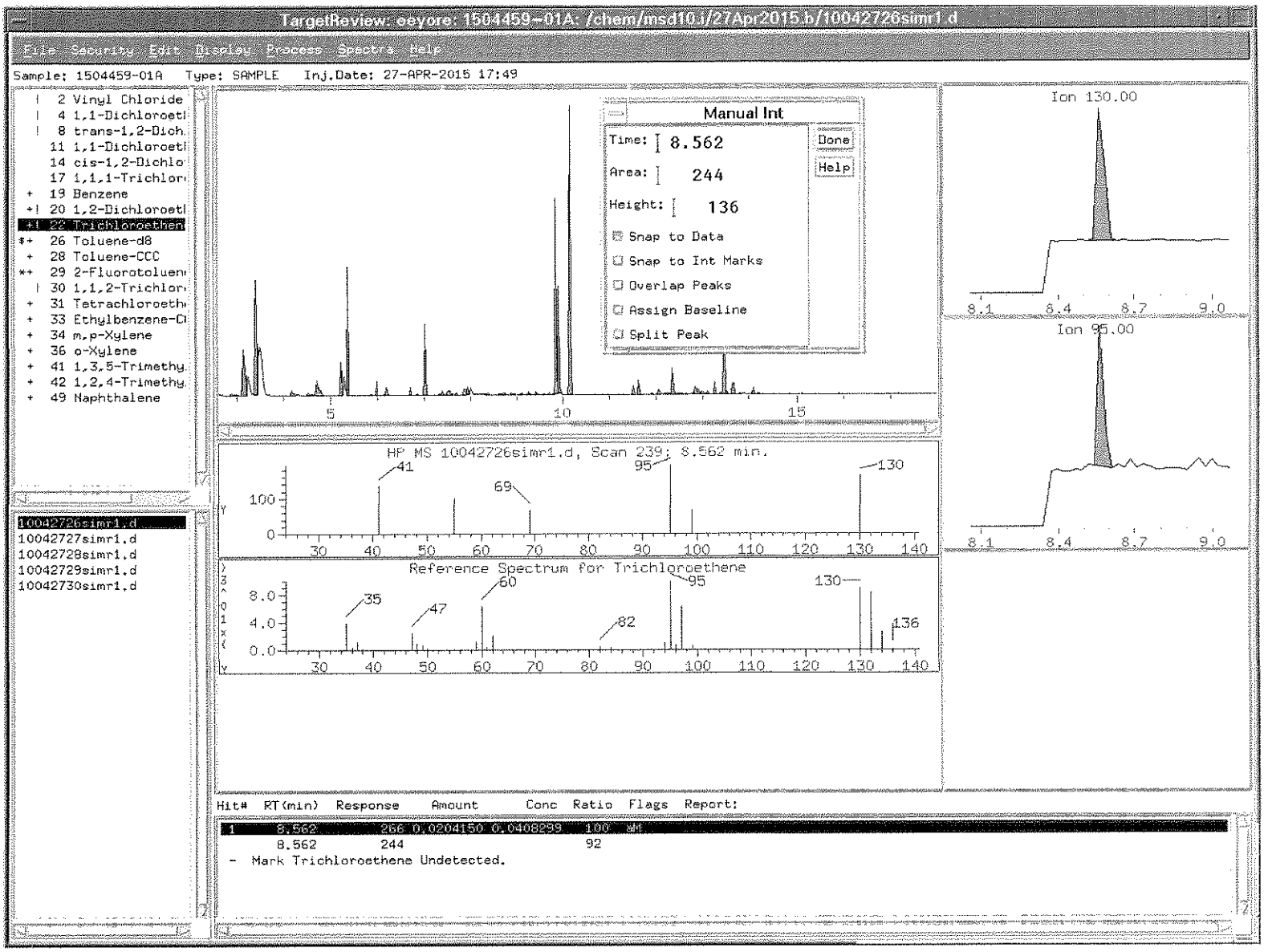
Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	8.369	149	0.0114311	0.0228622	100	a	
	8.393	254			170		
2	8.562	352	0.0270050	0.0540101	100	a	
	8.562	302			86		

- Mark Trichloroethene Undetected.

Before

9m

7/13/15



After	✓
Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

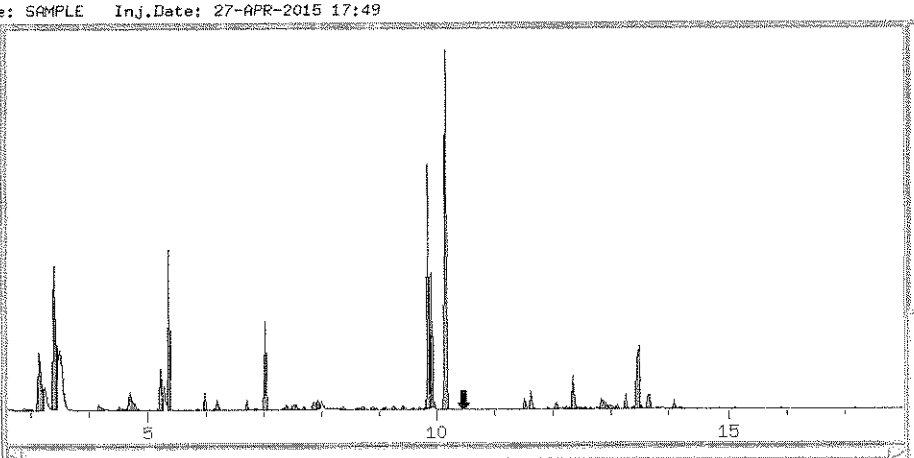
9m
7/13/15

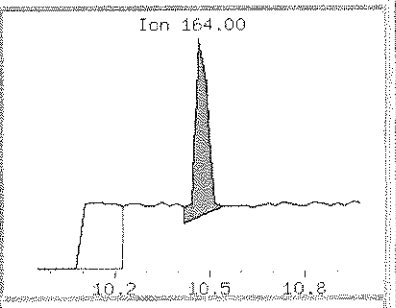
TargetReview: eeyore: 1504459-01A: /chem/msd10.i/27Apr2015.b/10042726simr1.d

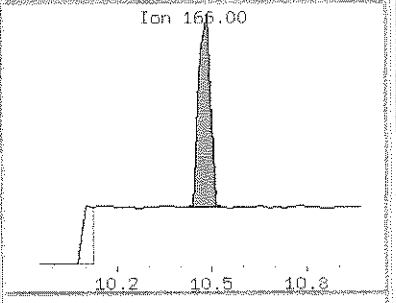
File Security Edit Display Process Spectra Help

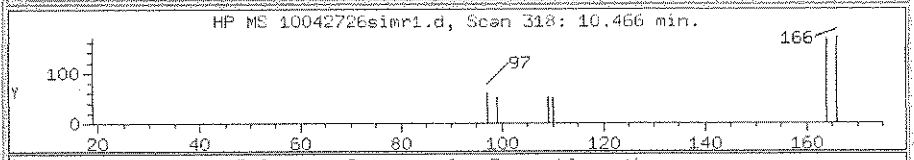
Sample: 1504459-01A Type: SAMPLE Inj.Date: 27-APR-2015 17:49

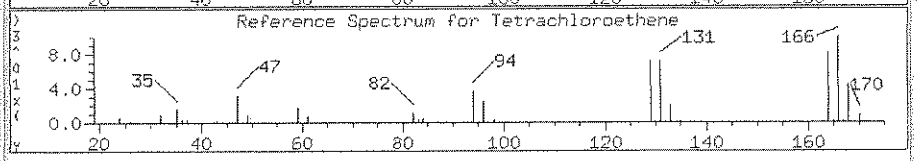
	2	Vinyl Chloride
	4	1,1-Dichloroeth
	8	trans-1,2-Dich
	11	1,1-Dichloroeth
	14	cis-1,2-Dichlo
	17	1,1,1-Trichlor
+	19	Benzene
+|	20	1,2-Dichloroeth
+|	22	Trichloroethen
$+	26	Toluene-d8
+	28	Toluene-CCC
*+	29	2-Fluorotoluen
|	30	1,1,2-Trichlor
+	31	Tetrachloroeth
+	33	Ethylbenzene-C
+	34	m,p-Xylene
+	36	o-Xylene
+	41	1,3,5-Trimethy
+	42	1,2,4-Trimethy
+	49	Naphthalene









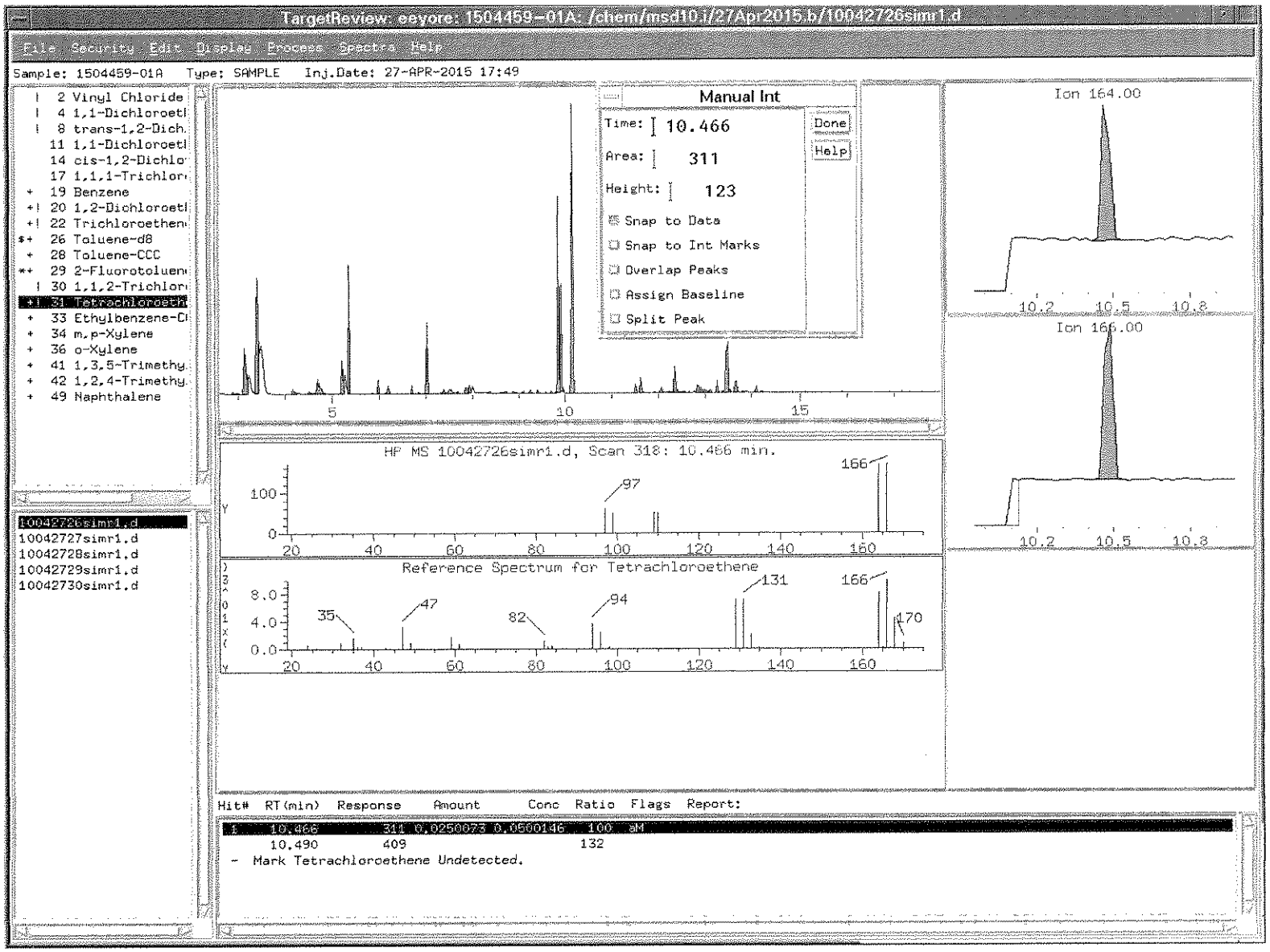


10042726simr1.d
10042727simr1.d
10042728simr1.d
10042729simr1.d
10042730simr1.d

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	10.128	409	0.0328900	0.0657800	100	a	
	10.104	134			33		
2	10.466	367	0.0295125	0.0590250	100	a	
	10.490	409			111		

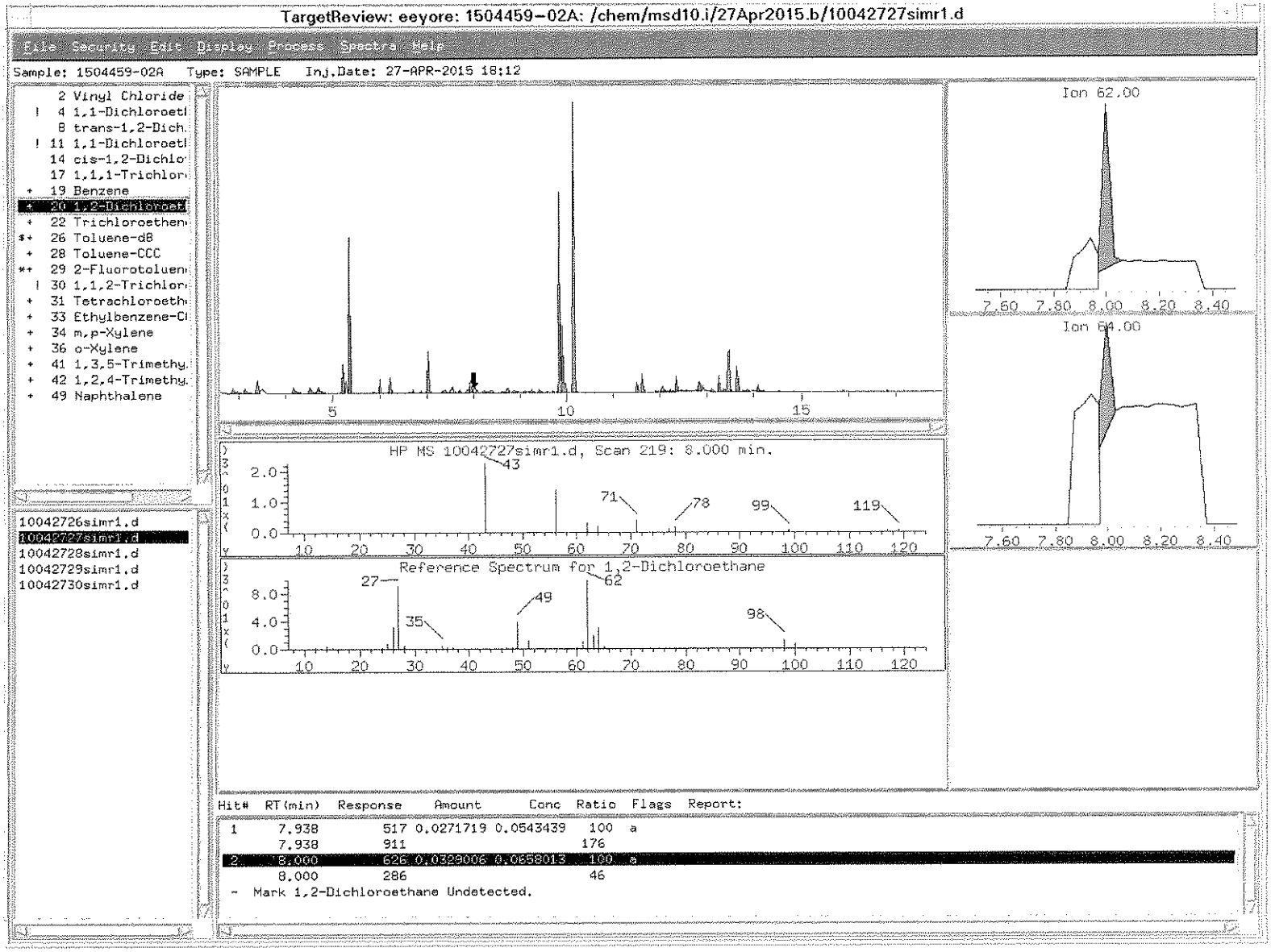
- Mark Tetrachloroethene Undetected.

Before
gm
7/13/15



After	
Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

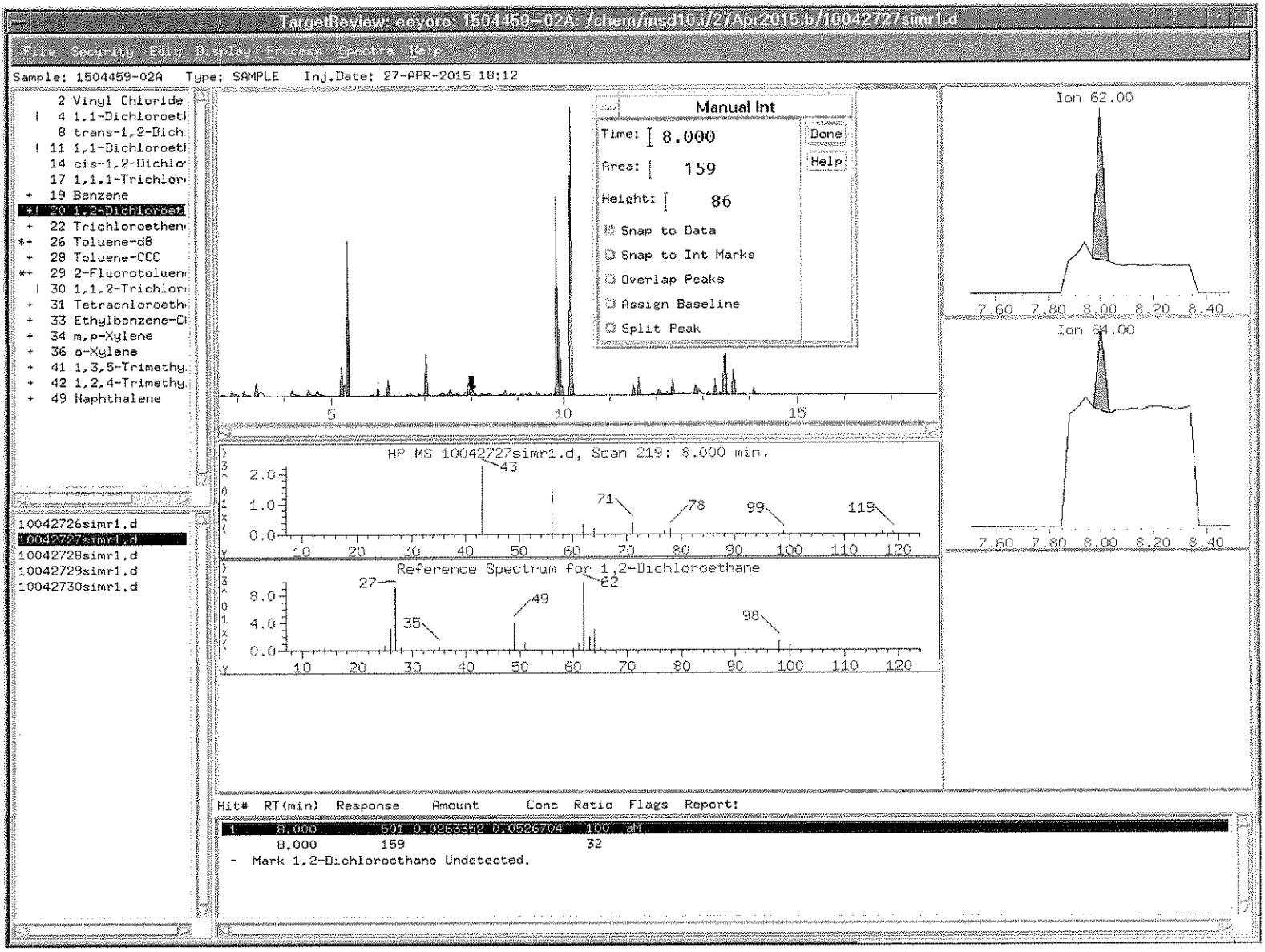
7/13/15



Before

gm

7/13/15



After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

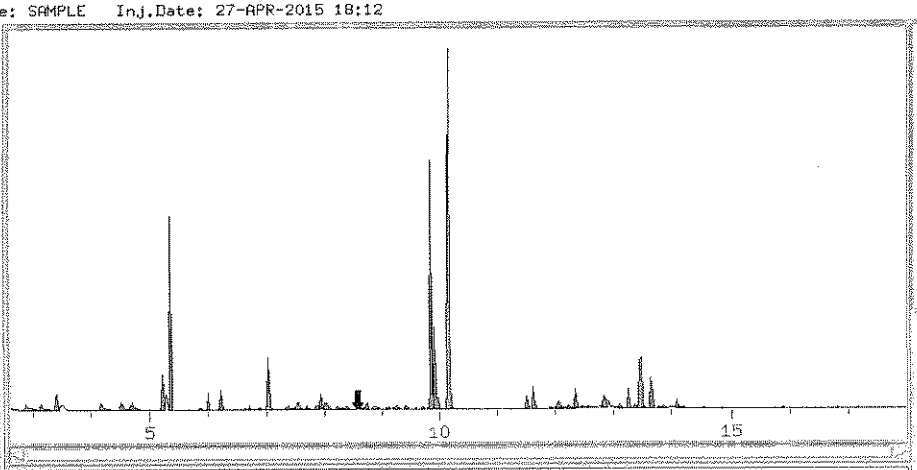
gm
7/13/15

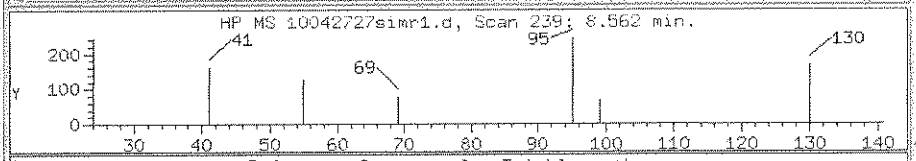
TargetReview: eeyore: 1504459-02A: /chem/msd10.i/27Apr2015.b/10042727simr1.d

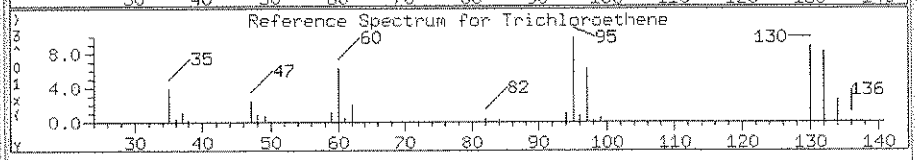
File Security Edit Display Process Spectra Help

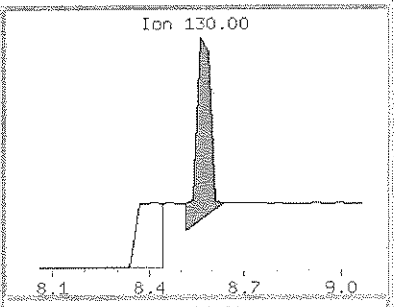
Sample: 1504459-02A Type: SAMPLE Inj.Date: 27-APR-2015 18:12

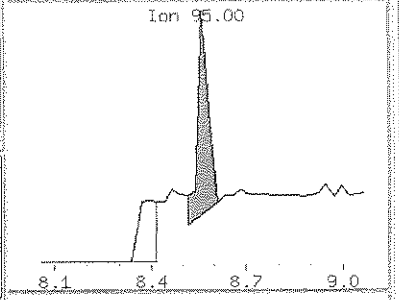
2 Vinyl Chloride
! 4 1,1-Dichloroeth
8 trans-1,2-Dich
! 11 1,1-Dichloroeth
14 cis-1,2-Dichlo
17 1,1,1-Trichlor
+ 19 Benzene
+! 20 1,2-Dichloroeth
+ 22 Trichloroethen
$+ 26 Toluene-d8
+ 28 Toluene-CCC
*+ 29 2-Fluorotoluen
! 30 1,1,2-Trichlor
+ 31 Tetrachloroeth
+ 33 Ethylbenzene-C
+ 34 m,p-Xylene
+ 36 o-Xylene
+ 41 1,3,5-Trimethy
+ 42 1,2,4-Trimethy
+ 49 Naphthalene









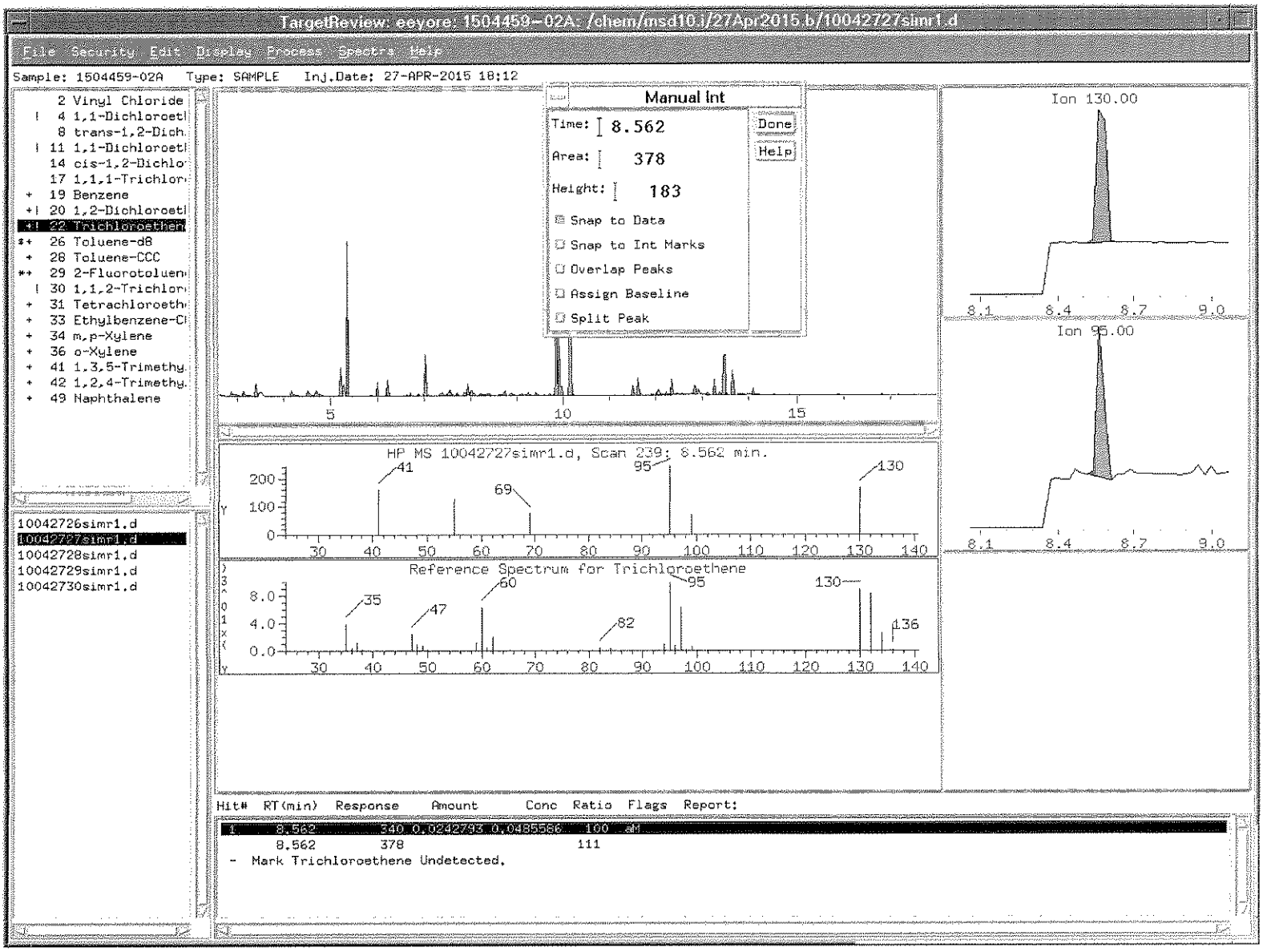


10042726simr1.d
10042727simr1.d
10042728simr1.d
10042729simr1.d
10042730simr1.d

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	8.418	286	0.0204318	0.0408636	100	a	
	8.393	281			98		
2	8.562	426	0.0304334	0.0608667	100	a	
	8.562	483			113		

- Mark Trichloroethene Undetected.

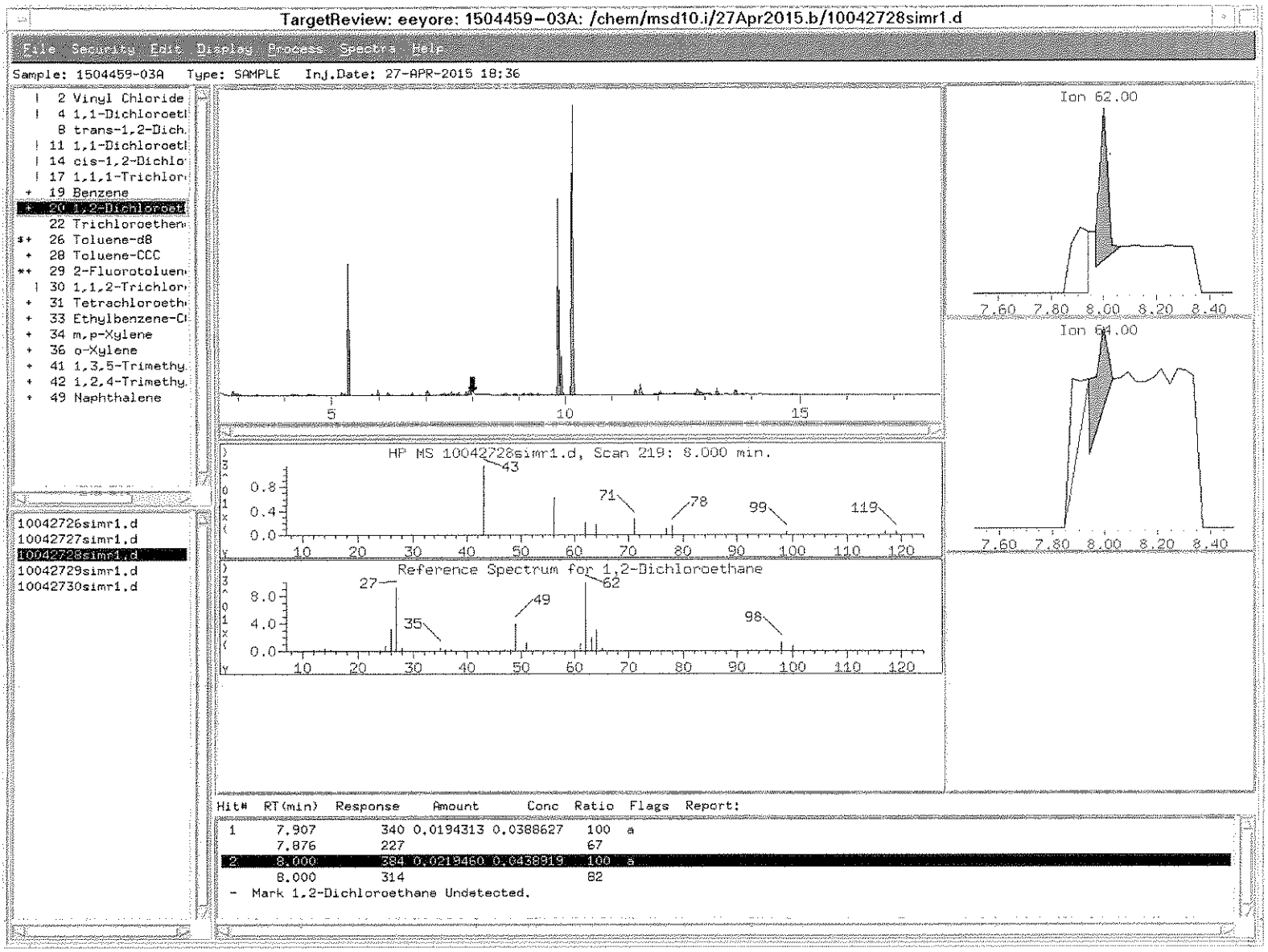
Before
gm
7/13/15



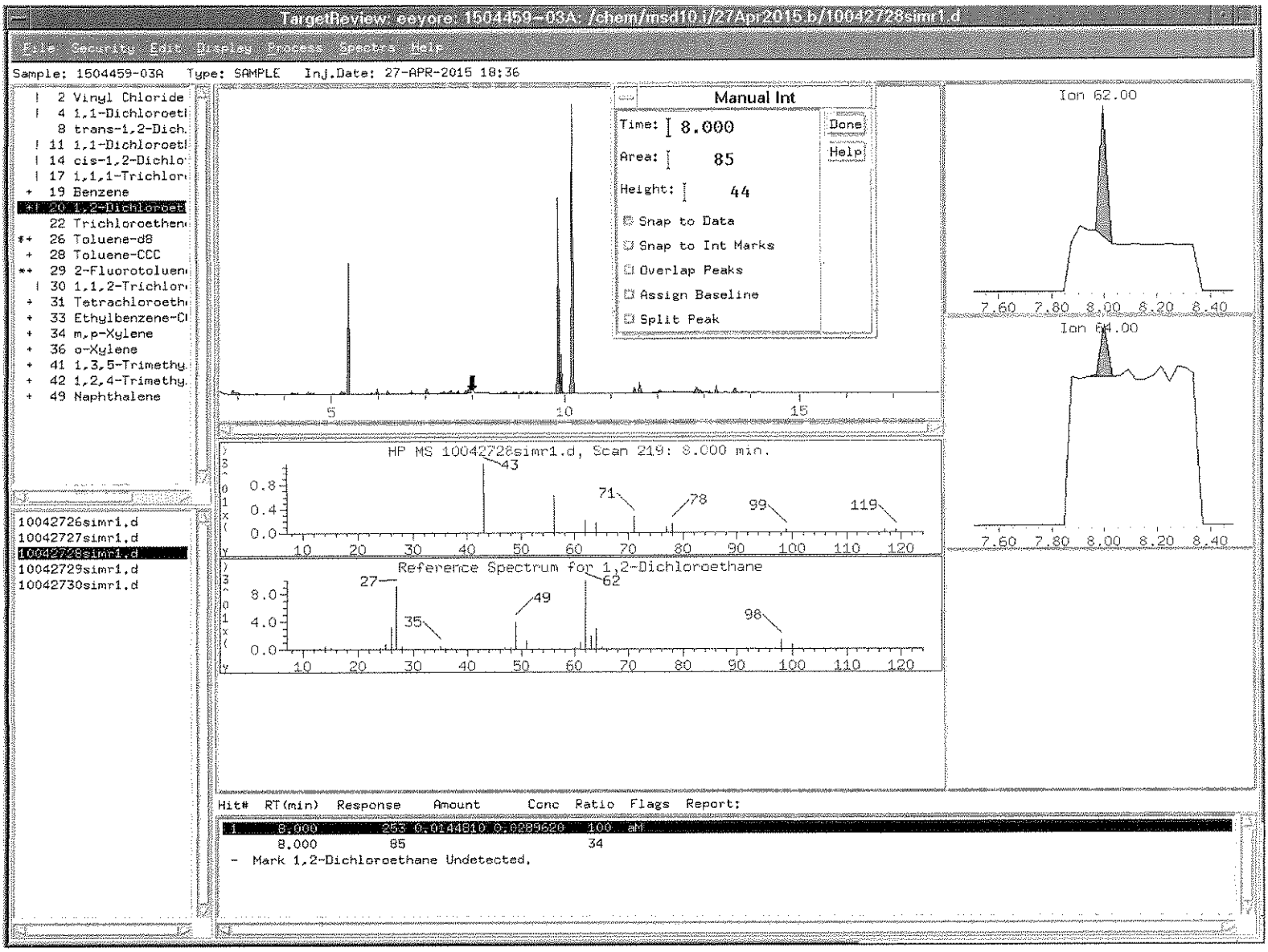
After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

9m
7/13/15



Before
gm
7/13/15



After

Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

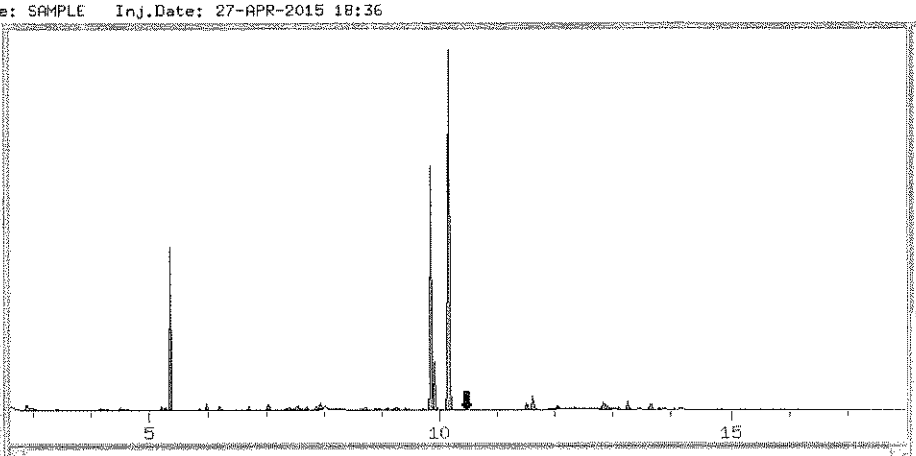
7/13/15

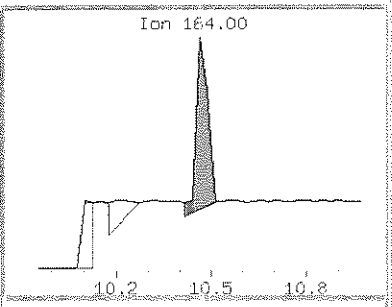
TargetReview: eeyore: 1504459-03A: /chem/msd10.i/27Apr2015.b/10042728simr1.d

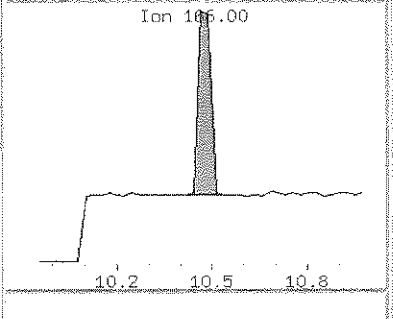
File Scoring Edit Display Process Spectra Help

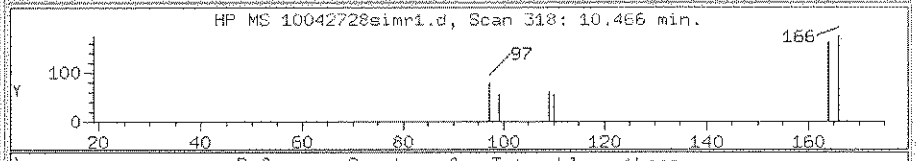
Sample: 1504459-03A Type: SAMPLE Inj.Date: 27-APR-2015 18:36

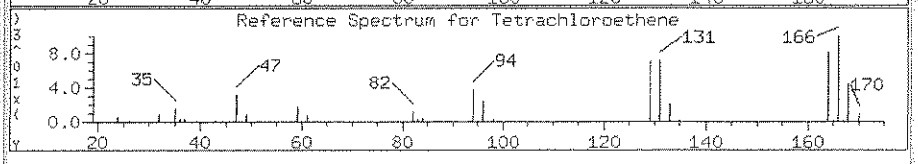
	2	Vinyl Chloride
	4	1,1-Dichloroeth
	8	trans-1,2-Dich
	11	1,1-Dichloroeth
	14	cis-1,2-Dichlo
	17	1,1,1-Trichlor
+	19	Benzene
+|	20	1,2-Dichloroeth
	22	Trichloroethen
$+	26	Toluene-d8
+	28	Toluene-CCC
#+	29	2-Fluorotoluen
	30	1,1,2-Trichlor
+	31	Tetrachloroeth
+	33	Ethylbenzene-C
+	34	m,p-Xylene
+	36	o-Xylene
+	41	1,3,5-Trimethy
+	42	1,2,4-Trimethy
+	49	Naphthalene







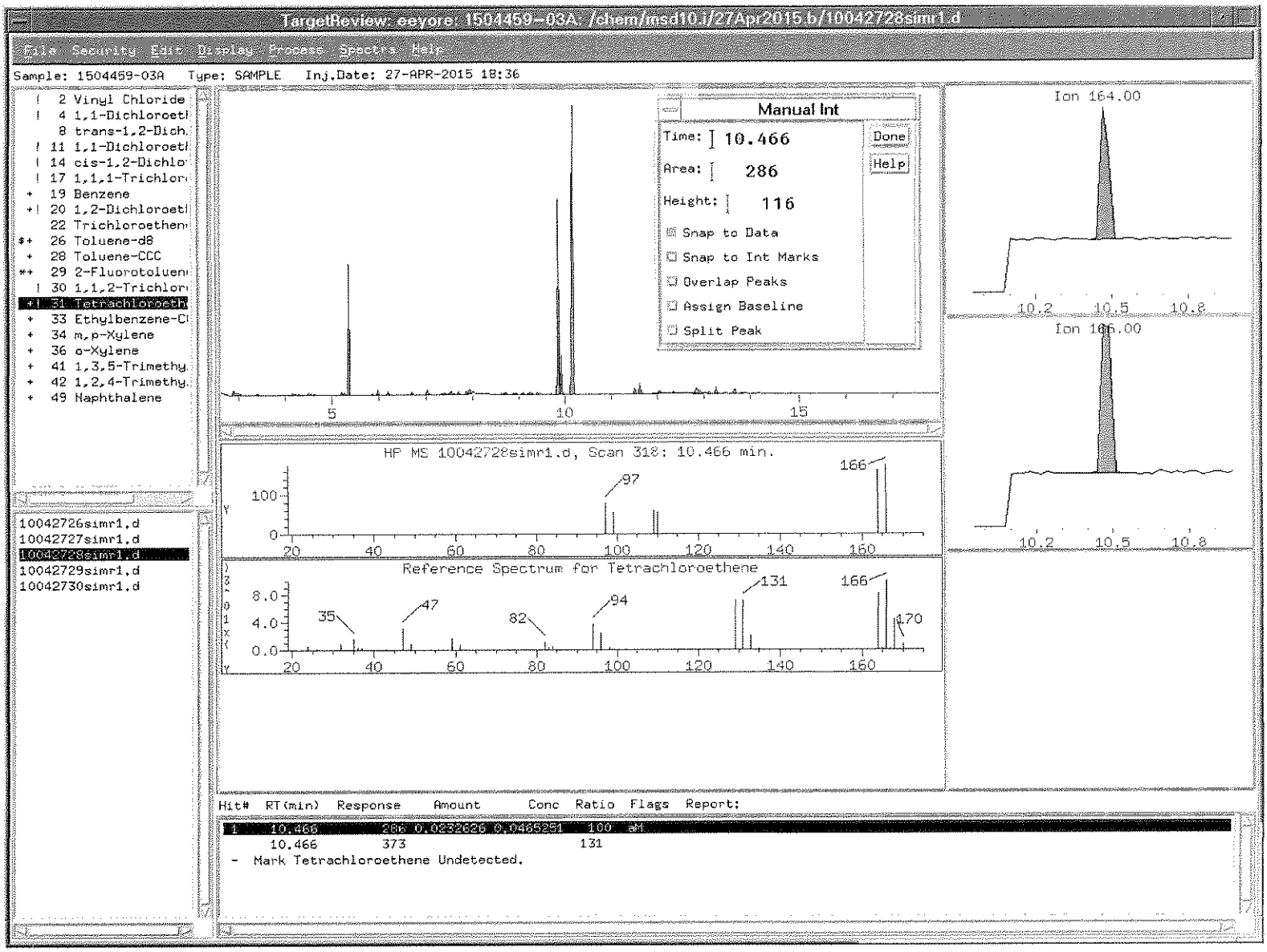




10042726simr1.d
10042727simr1.d
10042728simr1.d
10042729simr1.d
10042730simr1.d

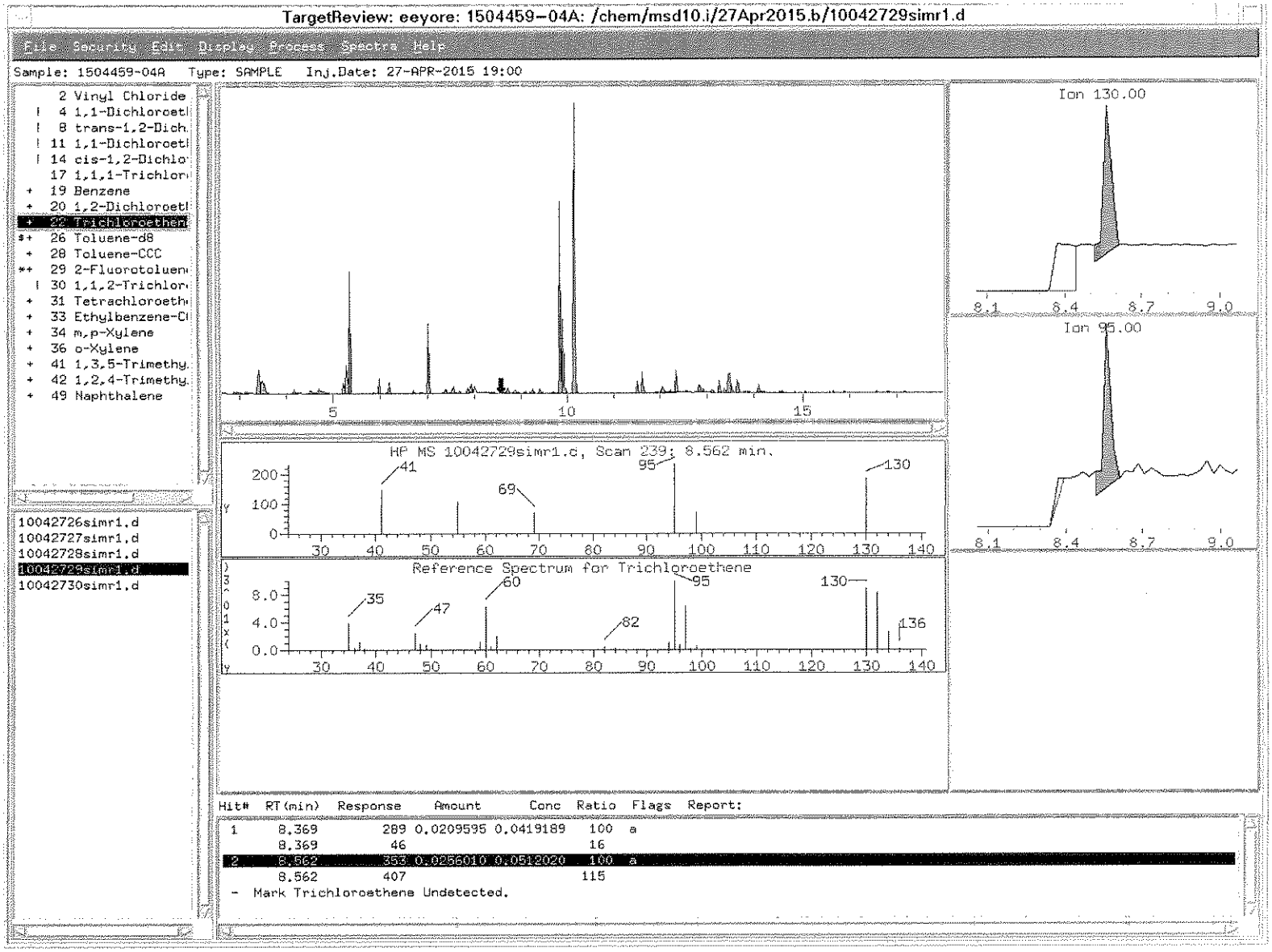
Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	10.104	135	0.0109927	0.0219855	100	a	
	10.466	373			274		
2	10.201	90	0.00732849	0.0146570	100	a	
	10.466	373			413		
3	10.466	325	0.0264640	0.0529280	100	a	
	10.466	373			115		

BE for
9m
7/13/15

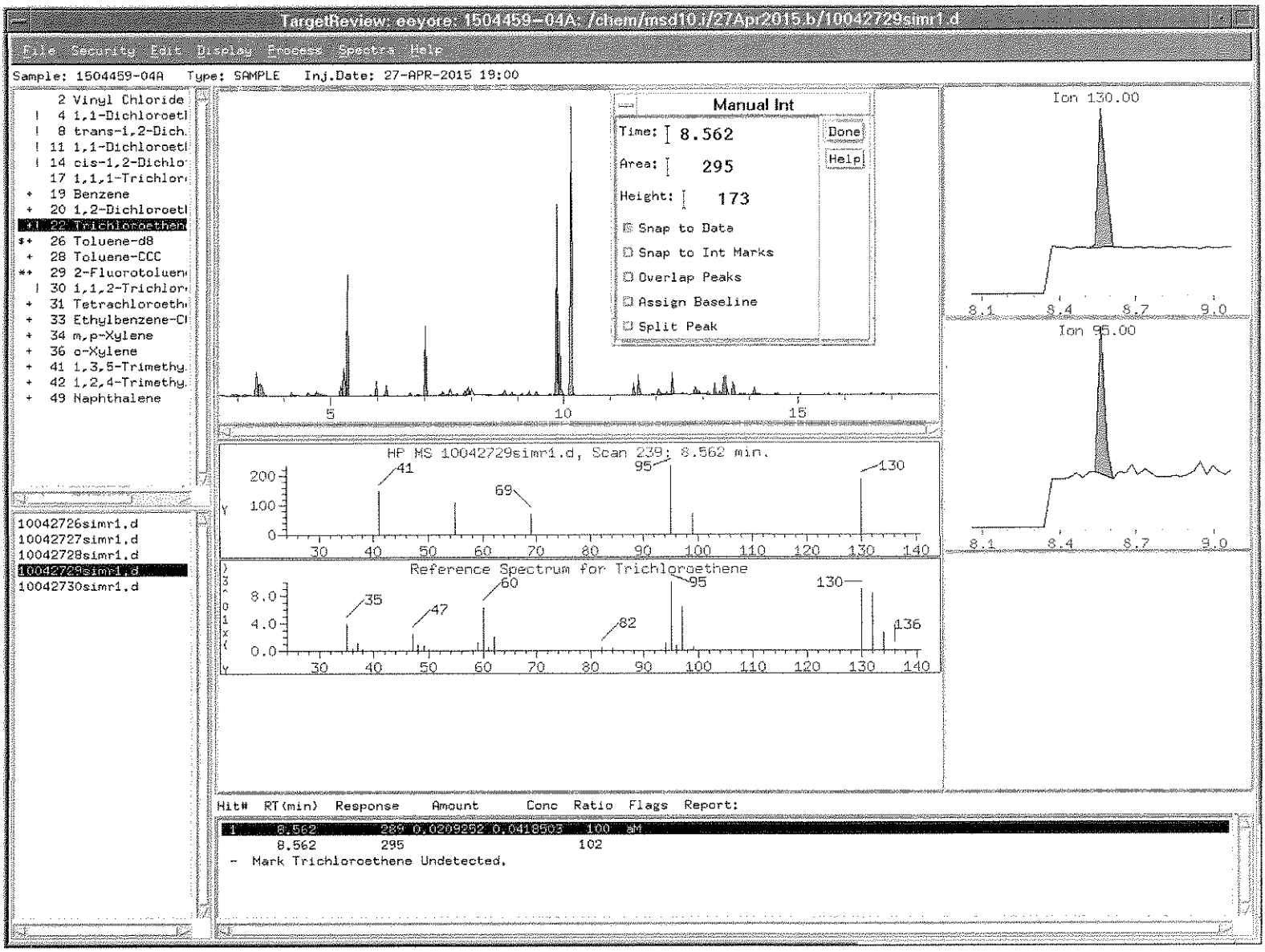


After	
Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

gm
7/13/15



Before
gm
7/13/15



After	
Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

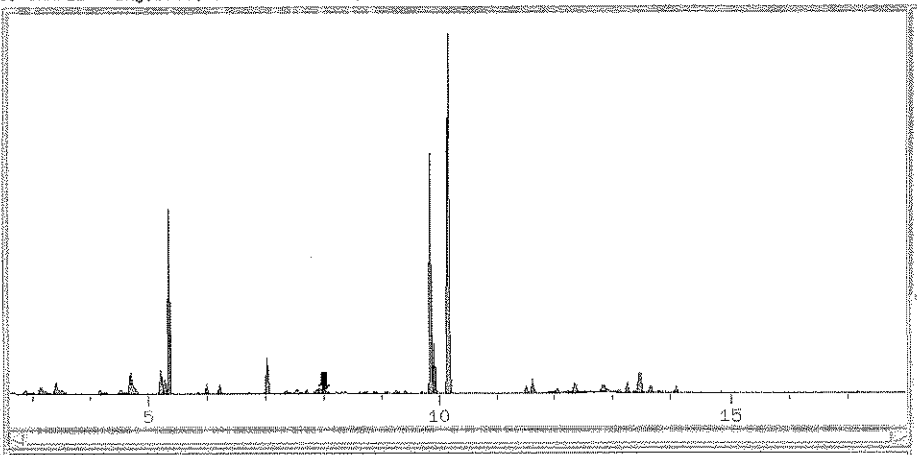
gm 7/13/15

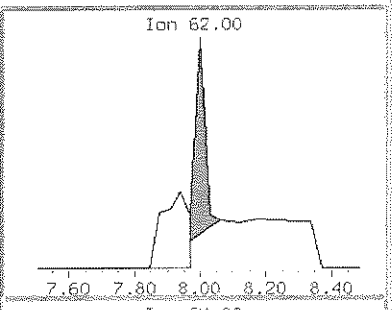
TargetReview: eeyore: 1504459-05A: /chem/msd10.i/27Apr2015.b/10042730simr1.d

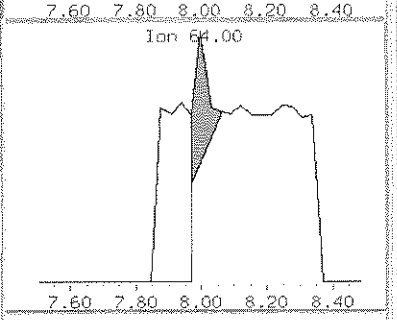
File Security Edit Display Process Spectra Help

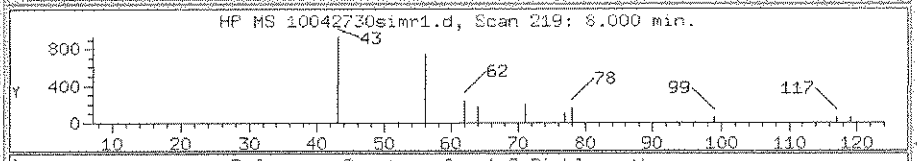
Sample: 1504459-05A Type: SAMPLE Inj.Date: 27-APR-2015 19:24

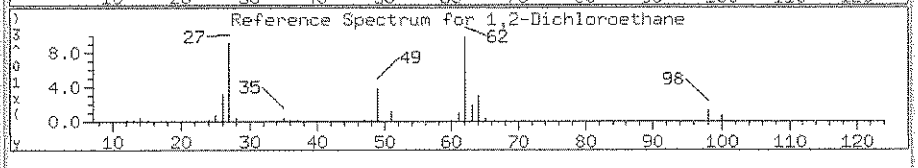
2 Vinyl Chloride
4 1,1-Dichloroeth
8 trans-1,2-Dich
11 1,1-Dichloroeth
14 cis-1,2-Dichlo
17 1,1,1-Trichlor
19 Benzene
20 1,2-Dichloroet
22 Trichloroethen
26 Toluene-d8
28 Toluene-CCC
29 2-Fluorotoluen
30 1,1,2-Trichlor
31 Tetrachloroeth
33 Ethylbenzene-Cl
34 m,p-Xylene
36 o-Xylene
41 1,3,5-Trimethy
42 1,2,4-Trimethy
49 Naphthalene









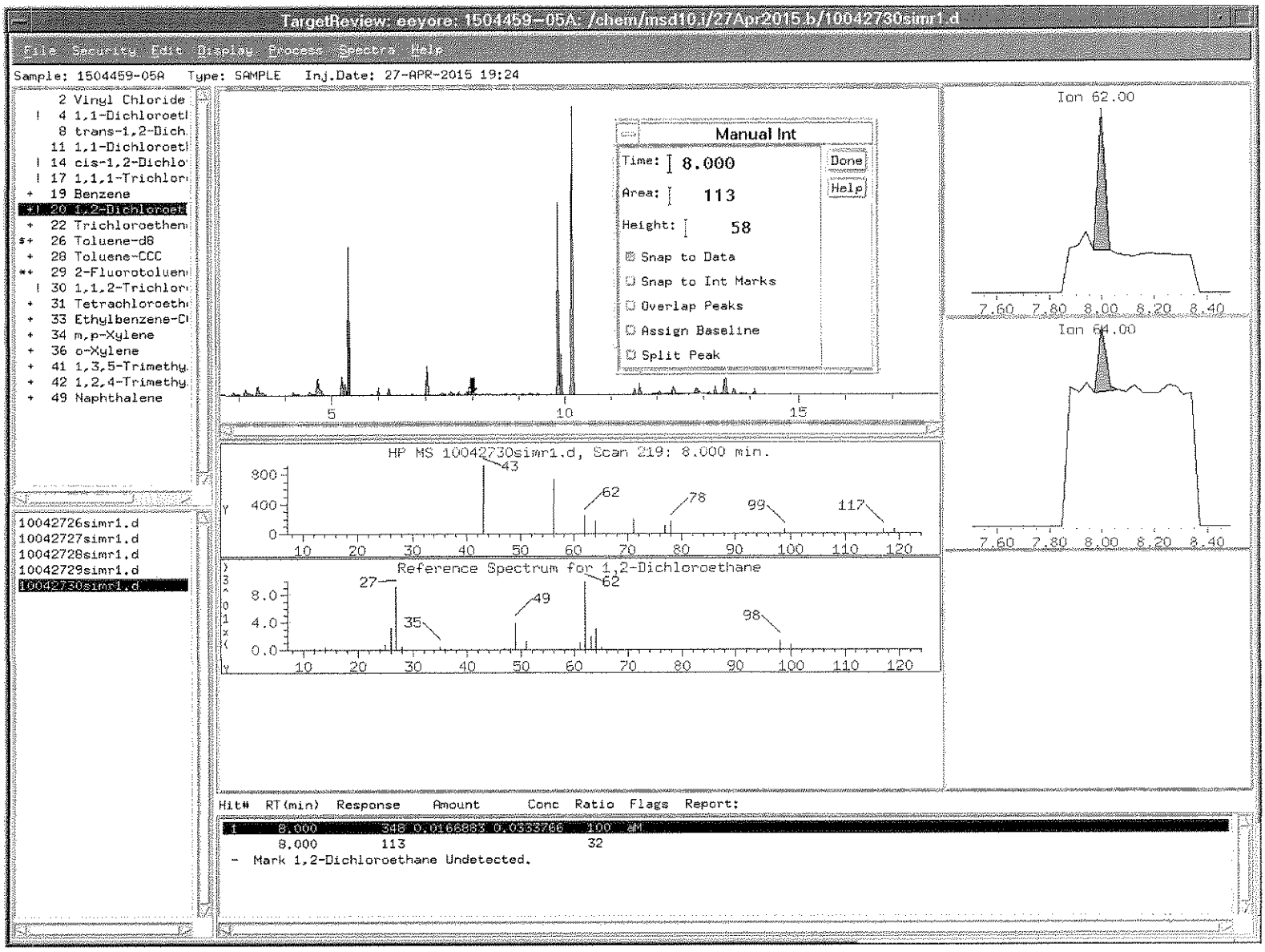


10042726simr1.d
10042727simr1.d
10042728simr1.d
10042729simr1.d
10042730simr1.d

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	7.938	471	0.0226058	0.0452117	100	a	
	7.938	900			191		
2	8.000	456	0.0218859	0.0437718	100	a	
	8.000	305			67		

- Mark 1,2-Dichloroethane Undetected.

Before
gm
7/13/15



After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

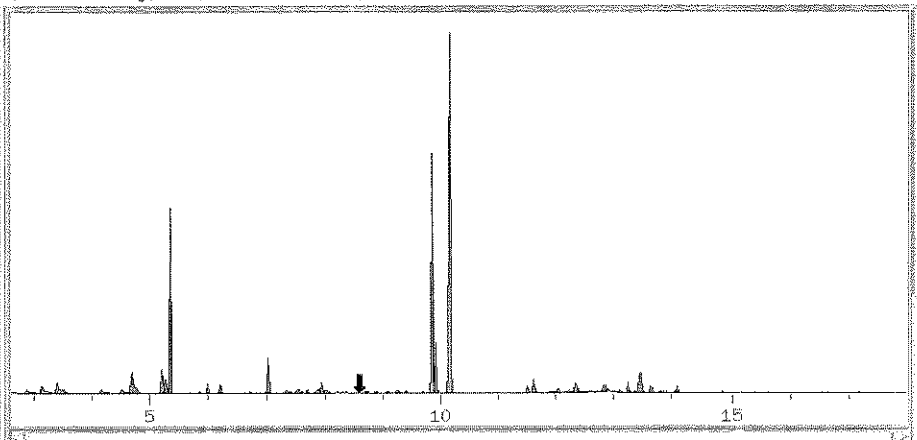
7/13/15

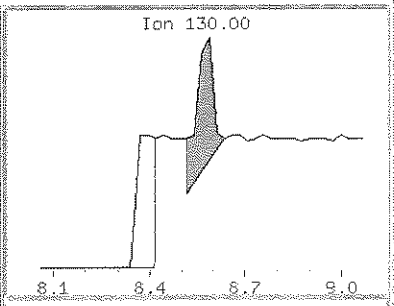
TargetReview: eeyore: 1504459-05A: /chem/msd10.i/27Apr2015.b/10042730simr1.d

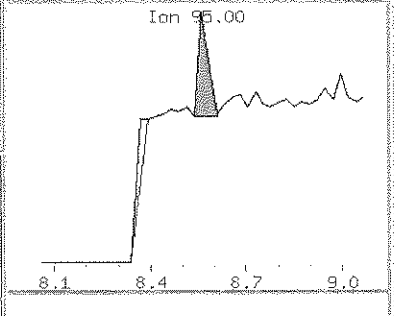
File Security Edit Display Process Spectra Help

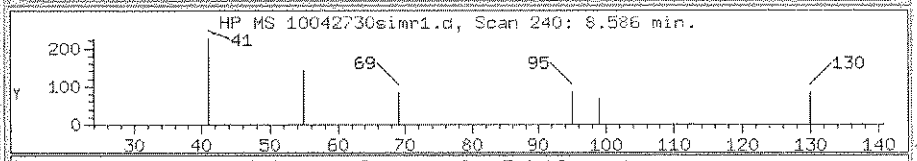
Sample: 1504459-05A Type: SAMPLE Inj.Date: 27-APR-2015 19:24

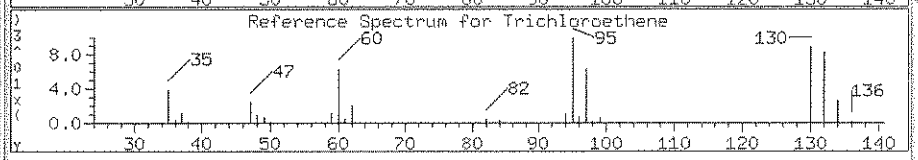
2 Vinyl Chloride
! 4 1,1-Dichloroeth
8 trans-1,2-Dich
11 1,1-Dichloroeth
! 14 cis-1,2-Dichlo
! 17 1,1,1-Trichlor
+ 19 Benzene
+! 20 1,2-Dichloroeth
* 22 Trichloroethen
$+ 26 Toluene-d8
+ 28 Toluene-CCC
** 29 2-Fluorotoluen
! 30 1,1,2-Trichlor
+ 31 Tetrachloroeth
+ 33 Ethylbenzene-C
+ 34 m,p-Xylene
+ 36 o-Xylene
+ 41 1,3,5-Trimethy
+ 42 1,2,4-Trimethy
+ 49 Naphthalene









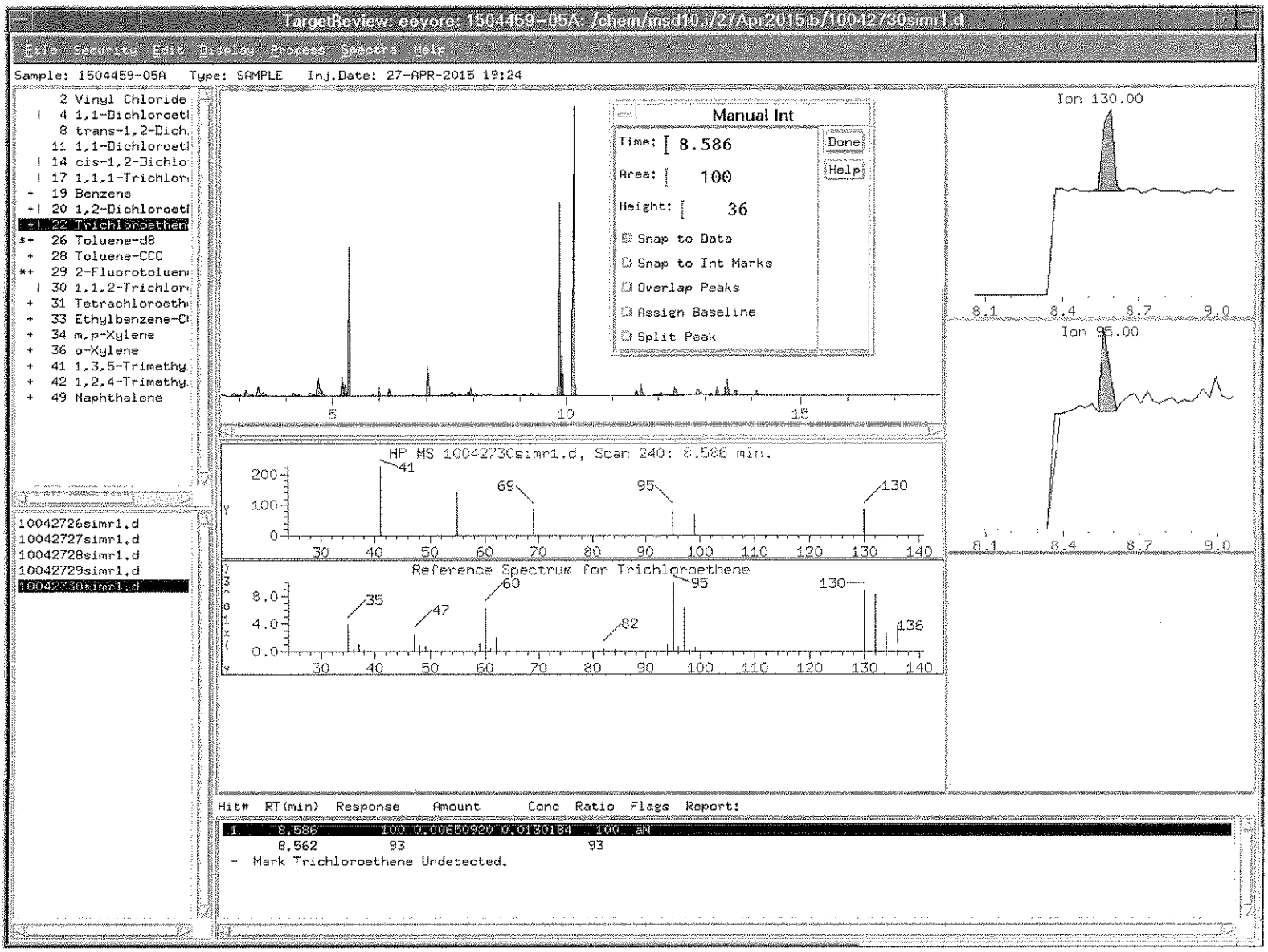


10042726simr1.d
10042727simr1.d
10042728simr1.d
10042729simr1.d
10042730simr1.d

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	8.369	221	0.0144179	0.0288358	100	a	
	8.369	50			23		
2	8.586	186	0.0121345	0.0242690	100	a	
	8.562	93			50		

- Mark Trichloroethene Undetected.

Before
gm
7/13/15



After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

gm 7/13/15

Compound List

Passive SE GC/MS (Sp)-Gilbane (SAIA) v2

CAS Number	Compound	Detection Limit ug	Type
71-55-6	1,1,1-Trichloroethane	0.10	
71-43-2	Benzene	0.40	
107-06-2	1,2-Dichloroethane	0.10	
79-01-6	Trichloroethene	0.10	
108-88-3	Toluene	0.10	
127-18-4	Tetrachloroethene	0.10	
100-41-4	Ethyl Benzene	0.10	
108-38-3	m,p-Xylene	0.10	
95-47-6	o-Xylene	0.10	
91-20-3	Naphthalene	0.10	
75-34-3	1,1-Dichloroethane	0.10	
75-35-4	1,1-Dichloroethene	0.40	
156-59-2	cis-1,2-Dichloroethene	0.10	
156-60-5	trans-1,2-Dichloroethene	0.20	
79-00-5	1,1,2-Trichloroethane	0.10	
95-63-6	1,2,4-Trimethylbenzene	0.10	
108-67-8	1,3,5-Trimethylbenzene	0.10	
75-01-4	Vinyl Chloride	0.40	
2037-26-5	Toluene-d8		

Eurofins Air Toxics, Inc.	Data Review Checklist			Release Date: 03/26/15
Workorder # 1504459	Form F1.27	Revision #11	Revision date: 03/26/15	Page 1 of 2

S1	S2	S3	S4	D	***Section 1* – Spec Out**				
					Initials/Instrument/Date	**S1:** MSD +0 JM 4/28/15	**S2:**	**S3:**	**S4:**
✓				■	Project Identification (PID), Project Requirements Table (PRT), Daily QC and ICAL met Criteria				
MM				■	Lumen QC and ICAL evaluation (ref. SOP/Method) report initialed and in folder				
✓				■	Manual Integrations included and approved				
✓				✓	Chain of Custody verified for special comments (add comments below)				
MM				■	Non-standard Target sublist printed				

Profile, analyses, reporting, special notes and unusual circumstances:

1,1-DCE ✓ MM LCS

A1	A2	A3	A4	D	***Section 2* – Sample Analysis**				
					Initials/Date	**A1:** JM 4/28/15	**A2:**	**A3:**	**A4:**
✓				✓	Internal Standard/Surrogate Recoveries, Dilution Factors, Load Volumes, Initial/Final Pressures, and Canister #s Verified				
MM				MM	**a)** Tedlar Bag IDs verified against COC **b)** Tedlar Bag ID confirmed with loading sequence/leg of instrument				
✓				✓	Manual Integrations/Bag or Can Dilution Forms/Re-pressurization Forms/Bag-Can Transfer Forms present (circle all that apply)				
✓				■	12/24 Hr clock time & Hold Time met for all samples				
MM				MM	Re-analysis of sample(s) have been evaluated for comparability and/or samples have been checked for trends (Inf/Eff).				
✓				✓	All runs have been evaluated for potential carry-over (TPHg/non-Target/over-range compounds etc)				

Analytical and special notes:

J Flag to the MDL

D1	D2	D3	D4	T	3T	***Section 3* – Target Data Reduction**	**Technical Review Needed? Circle one: Yes/No**		**T:**	
						Initials/Instrument/ Date	**D1:** JM 5/8/15	**D2:**	**D3:**	**D4:**
MM					■	CAR # *(if applicable)*				
✓					■	Spectra Verified *(documentation of spectral defense included if applicable)*				
MM					■	TICs resemble reference spectra/ TICs between sample dups. are consistent *(if applicable)*				
✓						Lab Narrative is correct				
MM					■	TPH/NMOC calculations complete and included in folder				

Special notes:

A	3T	***Section 4*- Atlas Data Entry**	**Lumen verified and included in folder**	**Circle one: Yes/No**
		Initials/Date: JM 5/8/15	**3rd Tier:** *(needed only for DOD or per client request)*	
MM		Sample Discrepancy Report (SDR) complete and approved *(if applicable)*		
✓		Manually entered results are checked		
✓		At least one result per sample is verified against Target quant sheets		
✓		Appropriate data qualifier flags are applied		
✓		Final Invoice is correct/ Final PDF report, COC and EDD reviewed and correct		

Special Notes:

Note (1) *Please check all the appropriate boxes. Indicate "NA" for any statement that doesn't apply*
Note (2) 3rd Tier Report Reviewer and Write Up Reviewer must be separate individuals for DoD & Client Specific Projects

Workorder # :	Reason for Reissue:
150459R1	to perform manual integrations

W	T	3T	Q	
✓			✓	Reissue Request form Present
✓			✓	Client or QA or Lab contact present with reason for reissue
✓			✓	Review all affected data
✓			✓	Report header has correct R1, R2 etc
✓			✓	The Lab Narrative clearly explains the reissue (Date, Reason and whether client requested)
✓			✓	Date for Reissue in Report Header matches date in Lab Narrative
✓			✓	Check Project Profile for correct reporting instructions (multiple clients, # hardcopies, etc)
NA			✓	Corrective Action issued - #
✓			✓	The reissued workorder has been approved by QA Manager or a Technical Director

Additional Comments:

Write Up (Initials/Date)	**Tech Review** (Initials/Date)	***3rd Tier Review** ** 3rd Tier Report Review is for DoD & Client Specific projects only* (Initials/Date)	**QA Review** (Initials/Date)
jm 7/13/15			7/14/15

Workorder # :	Reason for Reissue:

W	T	3T	Q	
				Reissue Request form Present
				Client or QA or Lab contact present with reason for reissue
				Review all affected data
				Report header has correct R1, R2 etc
				The Lab Narrative clearly explains the reissue (Date, Reason and whether client requested)
				Date for Reissue in Report Header matches date in Lab Narrative
				Check Project Profile for correct reporting instructions (multiple clients, # hardcopies, etc)
				Corrective Action issued - #
				The reissued workorder has been approved by QA Manager or a Technical Director

Additional Comments:

Write Up (Initials/Date)	**Tech Review** (Initials/Date)	***3rd Tier Review** ** 3rd Tier Report Review is for DoD & Client Specific projects only* (Initials/Date)	**QA Review** (Initials/Date)

Note (1) *Please check all the appropriate boxes. Indicate "NA" for any statement that doesn't apply*
Note (2) 3rd Tier Report Reviewer and Write Up Reviewer must be separate individuals for DoD & Client Specific Projects

Not Applicable

Electronic Comprehensive Validation Package (eCVP)

eurofins | Air Toxics

COMPREHENSIVE VALIDATION PACKAGE

Passive S.E. RAD130/SKC

INVENTORY SHEET

Work Order #: 1504309R2

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	5
a. Lumen Validation Report	--	--
2. Sample Results and Raw Data (Organized by Sample)	6	154
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	155	162
b. Surrogate Recover Summary Form (If Applicable)	163	163
c. Internal Standard Summary Form (If Applicable)	--	--
d. Duplicate Results Summary Sheet	164	164
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	165	277
g. MDL Study (If Applicable)	278	280
h. Continuing Calibration Verification Data (Summary Sheet	281	286
i. Second Source LCS(Summary + Raw Data)	287	390
j. Extraction Logs	391	392
k. Instrument Run Logs/Software Verification	393	394
l. GC/MS Tune (Results + Raw Data)	395	403
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	404	405
b. Chain-of-Custody Records	406	406
c. Sample Log-In Sheet	407	407
d. Misc Shipping/Receiving Records (list of individual records)		
Sample Receipt Discrepancy Report	--	--
5. Other Records (describe or list)		
a. Manual Spectral Defense	--	--
b. Manual Integrations	408	420
c. Manual Calculations	--	--
d. Canister Dilution Factors	--	--
e. Laboratory Corrective Action Request	--	--
f. CAS Number Reference	421	421
g. Variance Table	--	--
h. Canister Certification	--	--
i. Data Review Check Sheet	422	423

Comments:

Completed by:

Vera Belitsky	Vera Belitsky / Document Control	7/22/15
(Signature)	(Print Name & Title)	(Date)

CONFIDENTIALITY NOTICE: This communication and any accompanying documents are confidential and privileged. The proprietary information contained in this e-mail message, and any files transmitted with it, is intended for the use of the recipient(s) named above. If you received this transmission in error, you are advised that any disclosure, copying, distribution, or the taking of any action in reliance upon the communication is strictly prohibited. If you have received this communication in error, please contact Eurofins Air Toxics, Inc. at (916)-985-1000.

eurofins | Air Toxics

WORK ORDER #: 1504309R2

Work Order Summary

CLIENT:	Mr. Thomas Beer Gilbane Company 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598	**BILL TO:**	Mr. Thomas Beer Gilbane Company 2730 Shadelands Drive Suite 100 Walnut Creek, CA 94598
PHONE:	925-946-3100	**P.O. #**	J163006400-002
FAX:	925-256-8998	**PROJECT #**	07163 - 0064 SAIA
DATE RECEIVED:	04/18/2015	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	05/01/2015		
DATE REISSUED:	07/17/2015		

FRACTION #	NAME	TEST
01A	5227-IA02-0415	Passive S.E. RAD130/SKC
02A	5230-IA01-0415	Passive S.E. RAD130/SKC
03A	5230-OA01-0415	Passive S.E. RAD130/SKC
04A	5230-FB01-0415	Passive S.E. RAD130/SKC
05A	5211-IA01-0415	Passive S.E. RAD130/SKC
06A	5211-CS01-0415	Passive S.E. RAD130/SKC
07A	5234-IA01-0415	Passive S.E. RAD130/SKC
08A	5234-CS01-0415	Passive S.E. RAD130/SKC
09A	5215-CS01-0415	Passive S.E. RAD130/SKC
10A	Lab Blank	Passive S.E. RAD130/SKC
11A	LCS	Passive S.E. RAD130/SKC
11AA	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY: Heidi Hayes

Technical Director

DATE: 07/17/15

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

eurofins | Air Toxics

LABORATORY NARRATIVE
Passive SE GC/MS
Gilbane Company
Workorder# 1504309R2

Nine Radiello 130 (Solvent) samples were received on April 18, 2015. The laboratory extracted the charcoal sorbent bed of the passive sampler using carbon disulfide. An aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

If validated uptake rates were not available, rates were estimated using the chemical's diffusion coefficient in air and the geometric constant of the sampler. Chemicals that are poorly retained by the sorbent over the sampling duration may exhibit a low bias. All concentrations calculated using estimated rates are qualified with a "C" flag.

To calculate ug/m3 concentrations in the Lab Blank, a sampling duration of 10155 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

The workorder was reissued on 5/10/2015 to amend the reporting list and to report estimated values for target compound hits that are below the reporting limit but greater than the method detection limit.

The workorder was reissued on July 17, 2015 for the following reasons:

1) To correct the baseline for 1,2-Dichloroethane in samples 5230-IA01-0415, 5230-FB01-0415, 5211-CS01-0415, 5234-CS01-0415; for Trichloroethene in samples 5230-FB01-0415 and for Tetrachloroethene in sample 5230-IA01-0415. The manual integrations resulted in a change in the reported values.
2) To report the correct results for Trichloroethene in sample 5227-IA02-0415.

Definition of Data Qualifying Flags

Nine qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not

performed).

J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.
C - Estimated concentration due to calculated sampling rate

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
5227-IA02-0415	1504309R2-01A	4/16/2015	4/18/2015	4/23/2015	7	4/23/2015	0	Good
5230-IA01-0415	1504309R2-02A	4/16/2015	4/18/2015	4/23/2015	7	4/23/2015	0	Good
5230-OA01-0415	1504309R2-03A	4/16/2015	4/18/2015	4/23/2015	7	4/23/2015	0	Good
5230-FB01-0415	1504309R2-04A	4/16/2015	4/18/2015	4/23/2015	7	4/23/2015	0	Good
5211-IA01-0415	1504309R2-05A	4/17/2015	4/18/2015	4/23/2015	6	4/23/2015	0	Good
5211-CS01-0415	1504309R2-06A	4/17/2015	4/18/2015	4/23/2015	6	4/23/2015	0	Good
5234-IA01-0415	1504309R2-07A	4/17/2015	4/18/2015	4/23/2015	6	4/23/2015	0	Good
5234-CS01-0415	1504309R2-08A	4/17/2015	4/18/2015	4/23/2015	6	4/23/2015	0	Good
5215-CS01-0415	1504309R2-09A	4/17/2015	4/18/2015	4/23/2015	6	4/23/2015	0	Good
Lab Blank	1504309R2-10A	NA	NA	4/23/2015	NA	4/23/2015	0	Good
LCS	1504309R2-11A	NA	NA	4/23/2015	NA	4/23/2015	0	Good
LCSD	1504309R2-11A	NA	NA	4/23/2015	NA	4/23/2015	0	Good

Sample Results and Raw Data

eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 5227-IA02-0415

Lab ID#: 1504309R2-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Benzene	0.40	0.48	0.51	0.61
1,2-Dichloroethane	0.10	0.12	0.090 J	0.11 J
Toluene	0.10	0.13	1.4	1.8
Tetrachloroethene	0.10	0.16	0.072 J	0.12 J
Ethyl Benzene	0.10	0.14	0.31	0.44
m,p-Xylene	0.10	0.14	0.74	1.0
o-Xylene	0.10	0.15	0.24	0.36
1,2,4-Trimethylbenzene	0.10	0.19	0.21	0.40
1,3,5-Trimethylbenzene	0.10	0.18	0.060 J	0.11 J

eurofins | Air Toxics

Client Sample ID: 5227-IA02-0415

Lab ID#: 1504309R2-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042309simr2**	**Date of Collection: 4/16/15 1:02:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 12:35 PM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	0.51	0.61
1,2-Dichloroethane	0.10	0.12	0.090 J	0.11 J
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Toluene	0.10	0.13	1.4	1.8
Tetrachloroethene	0.10	0.16	0.072 J	0.12 J
Ethyl Benzene	0.10	0.14	0.31	0.44
m,p-Xylene	0.10	0.14	0.74	1.0
o-Xylene	0.10	0.15	0.24	0.36
Naphthalene	0.10	0.38	Not Detected	Not Detected
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	0.21	0.40
1,3,5-Trimethylbenzene	0.10	0.18	0.060 CJ	0.11 CJ
Vinyl Chloride	0.40	0.43	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.6F , duration time = 10052 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	112	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042309simr2.d
Lab Smp Id: 1504309R2-01A
Inj Date : 23-APR-2015 12:35
Operator : gm Inst ID: msdc.i
Smp Info : ;1504309R2-01A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 26-Jun-2015 14:36 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
	2 Vinyl Chloride	62	Compound Not Detected.					
	4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
	8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
	14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	17 1,1,1-Trichloroethane	97	Compound Not Detected.					
	19 Benzene	78	8.603	8.603	(0.783)	14373	0.25529	0.510584
	20 1,2-Dichloroethane	62	8.696	8.696	(0.791)	1166	0.04507	0.0901421(a)
	22 Trichloroethene	130	Compound Not Detected.					
$	25 Toluene-d8	98	10.656	10.656	(0.969)	299121	5.60571	11.2114
	26 Toluene-CCC	92	10.729	10.728	(0.976)	31516	0.68377	1.36753
*	27 2-Fluorotoluene	109	10.994	10.993	(1.000)	324177	5.00000	
	28 1,1,2-Trichloroethane	97	Compound Not Detected.					
	29 Tetrachloroethene	164	11.331	11.331	(1.031)	766	0.03612	0.0722493(a)
	31 Ethylbenzene-CCC	106	12.377	12.377	(1.126)	4658	0.15716	0.314327
	33 m,p-Xylene	106	12.506	12.506	(1.138)	15427	0.37198	0.743951

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	12.956	12.956	(1.178)	3983	0.12084	0.241686
40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	2222	0.02986	0.0597263(aM)
41 1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	9769	0.10411	0.208220
48 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 13-Jul-2015 13:44

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042309simr2.d
Lab Smp Id: 1504309R2-01A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	324177	-0.12

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504309R2-01A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	11.2114	112.11	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

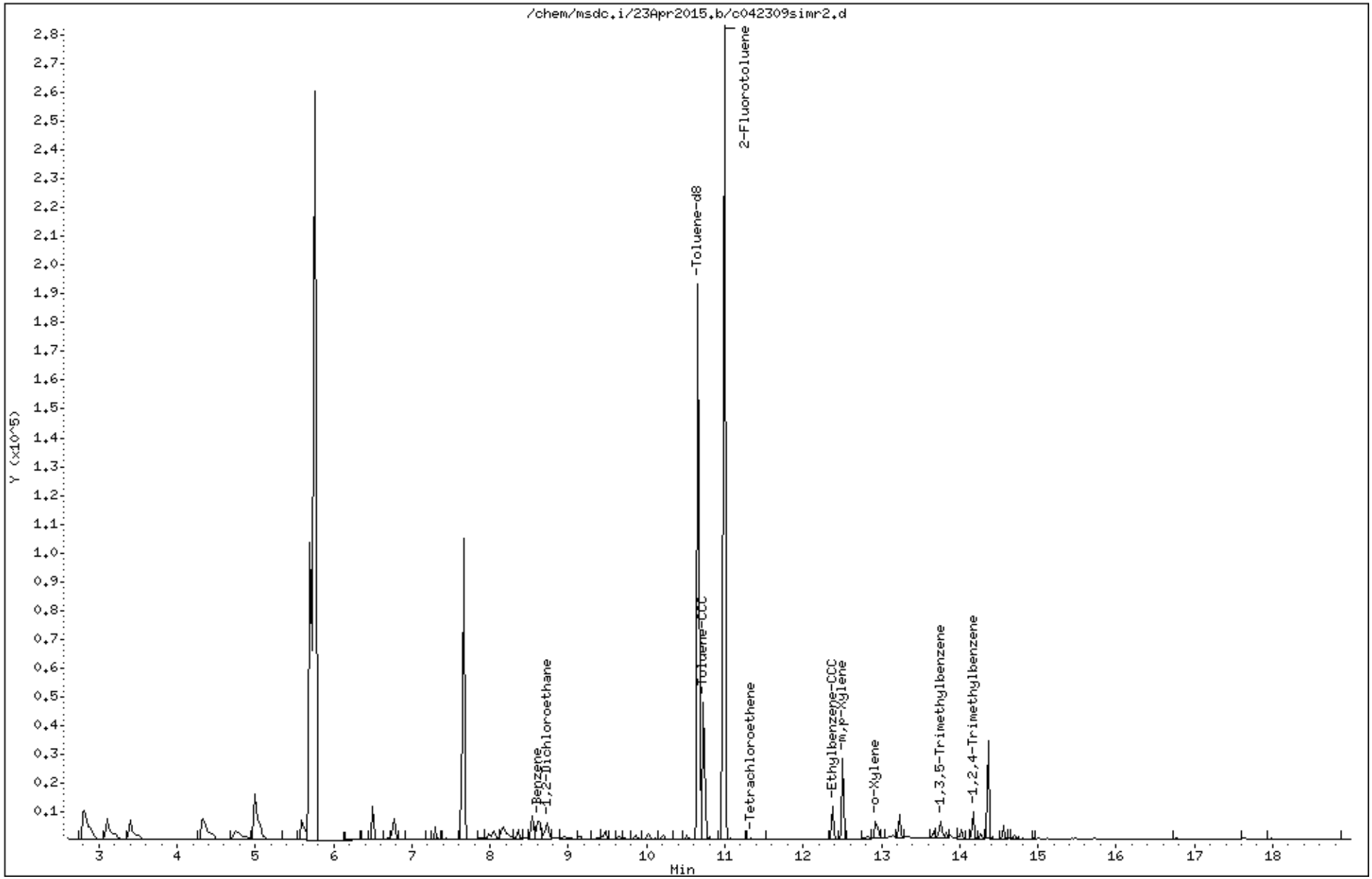
Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

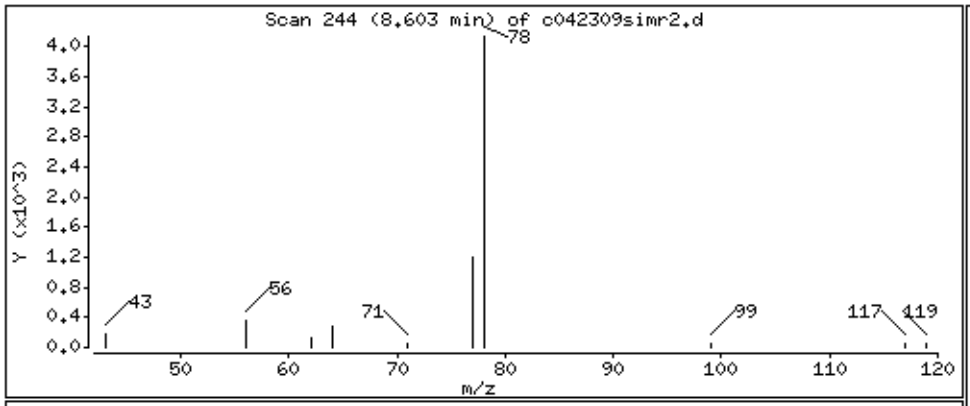
Operator: gm

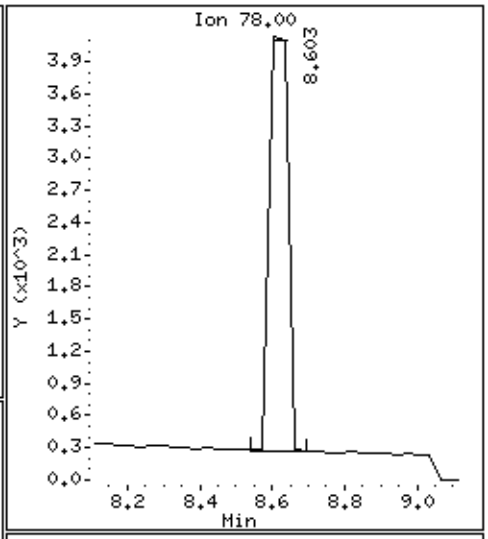
Column phase: DB-5.625

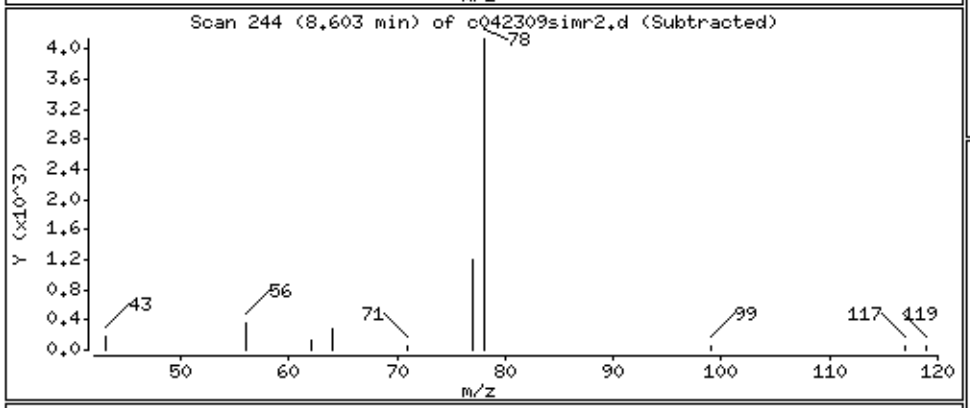
Column diameter: 0.25

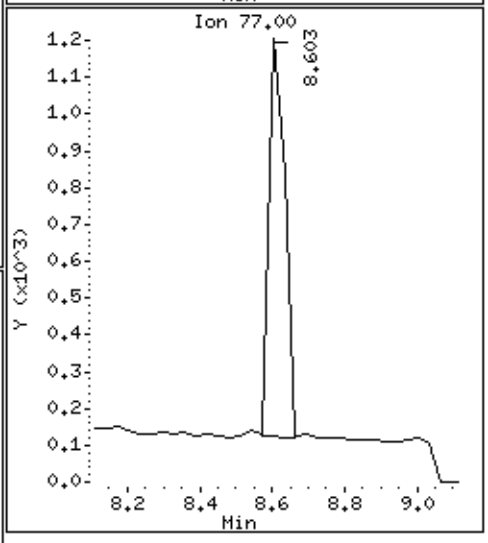
19 Benzene

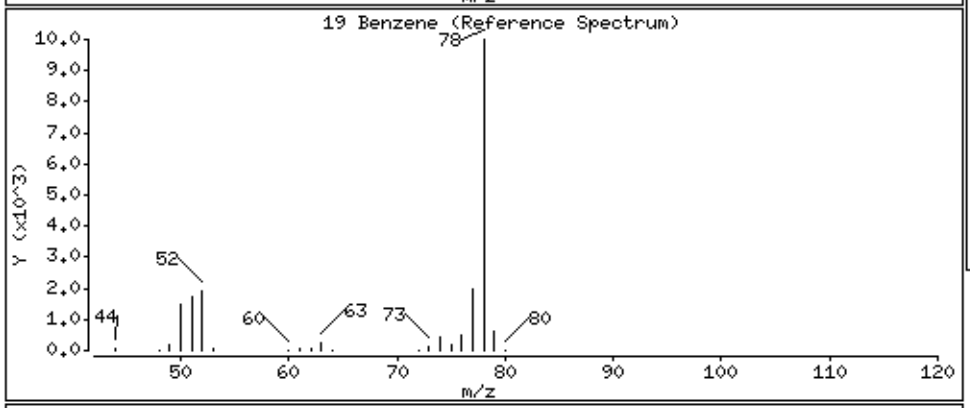
Concentration: 0.510584 ug

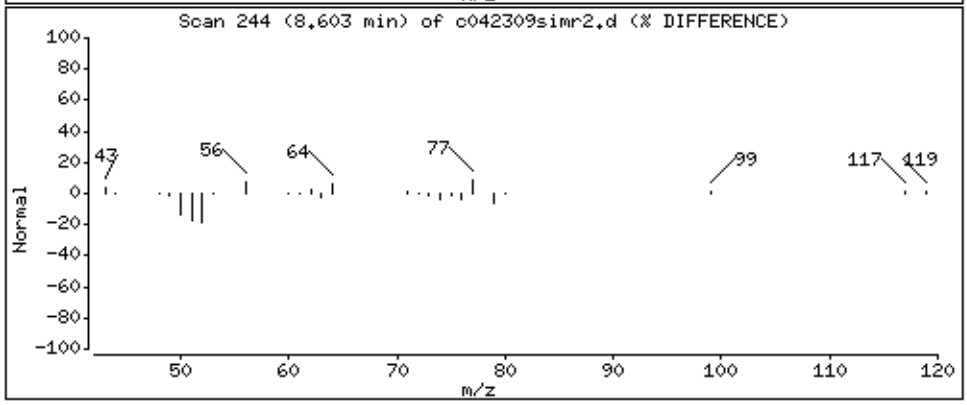












Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

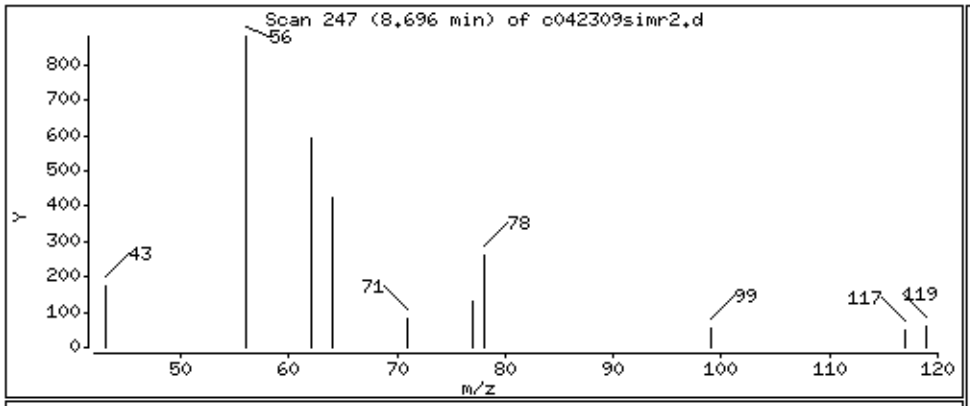
Operator: gm

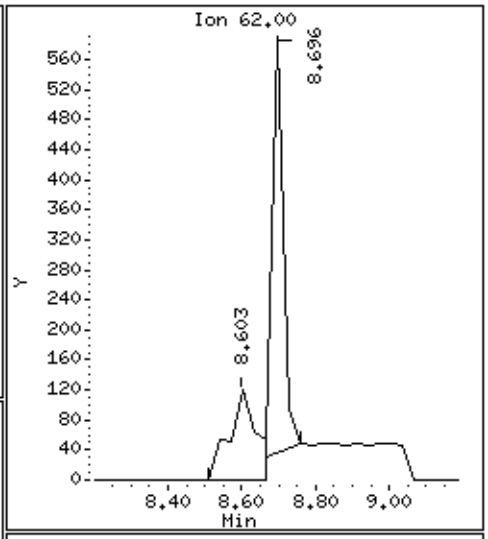
Column phase: DB-5.625

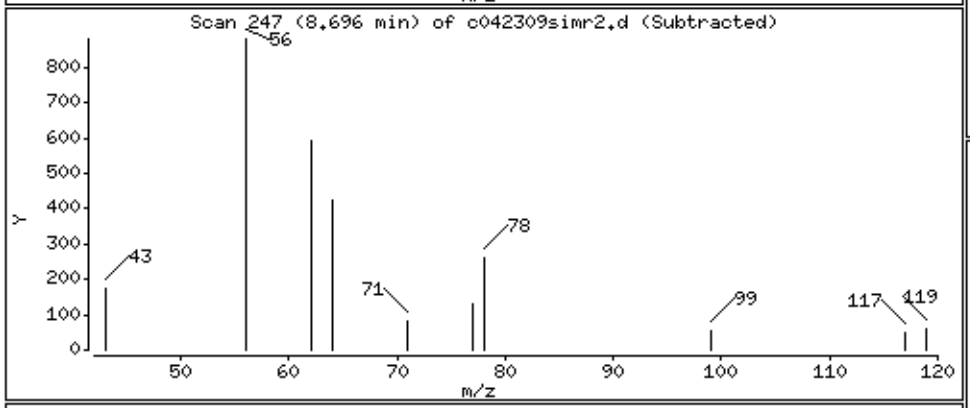
Column diameter: 0.25

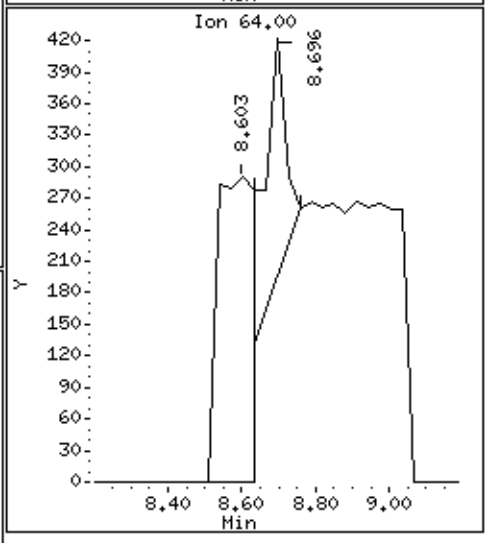
20 1,2-Dichloroethane

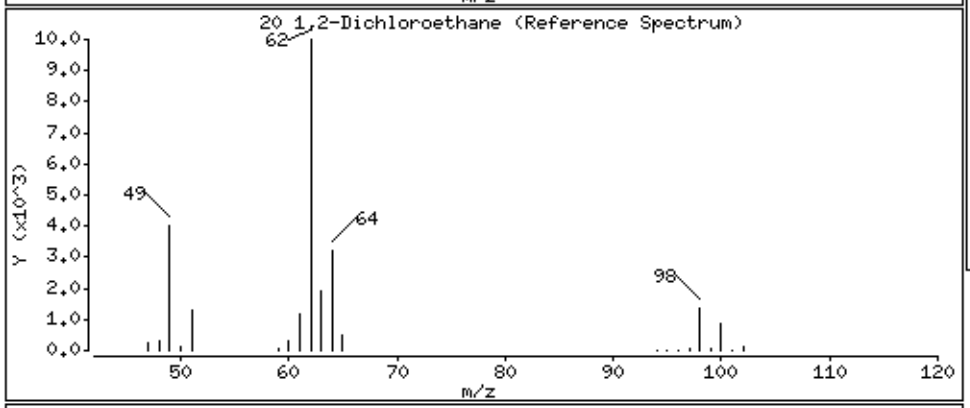
Concentration: 0.0901421 ug

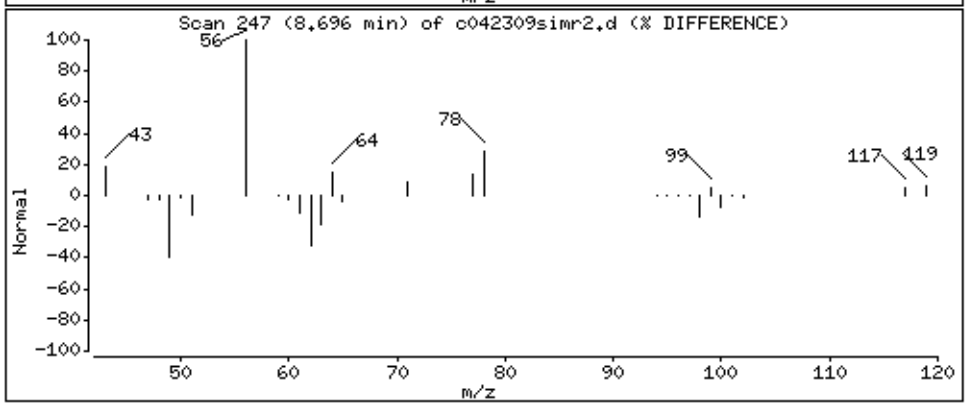












Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

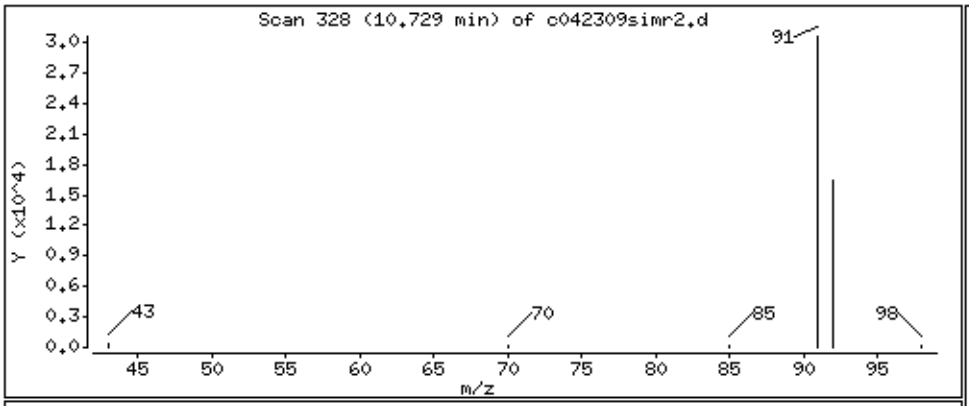
Operator: gm

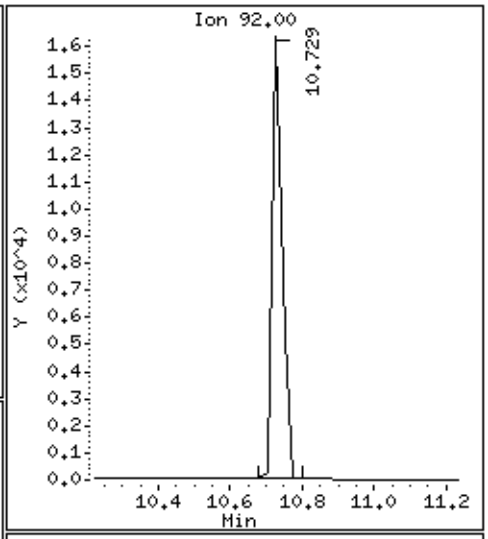
Column phase: DB-5.625

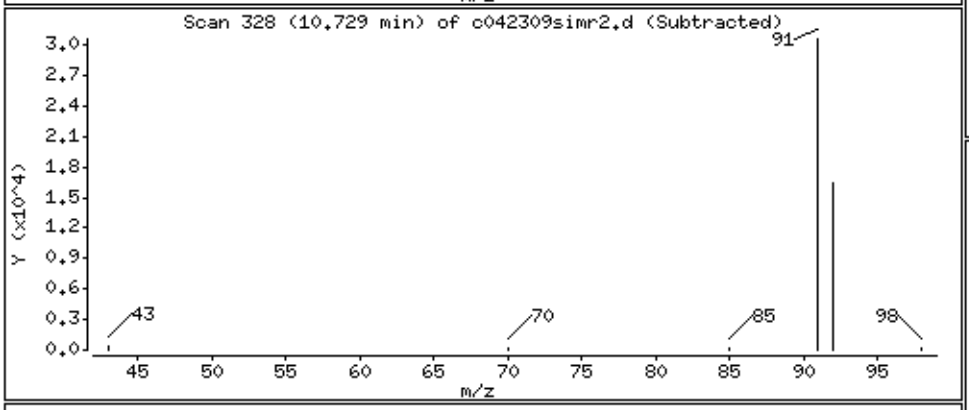
Column diameter: 0.25

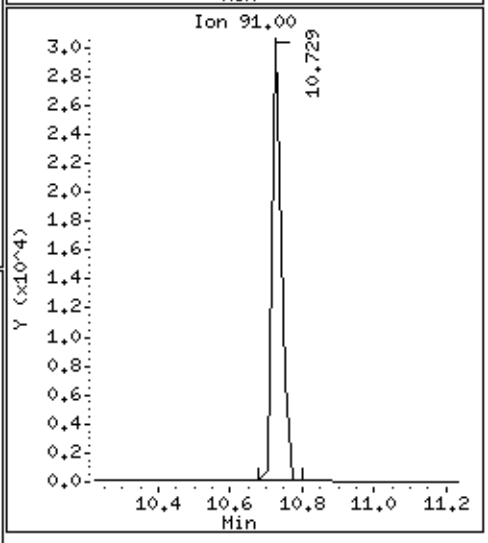
26 Toluene-CCC

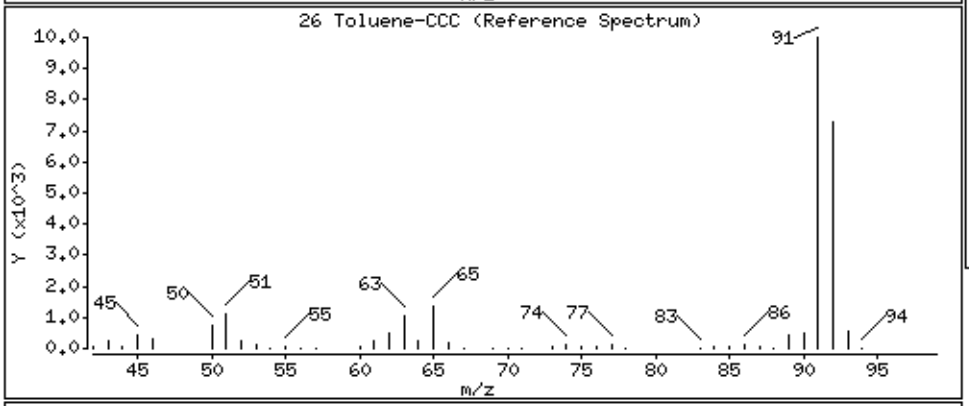
Concentration: 1.36753 ug

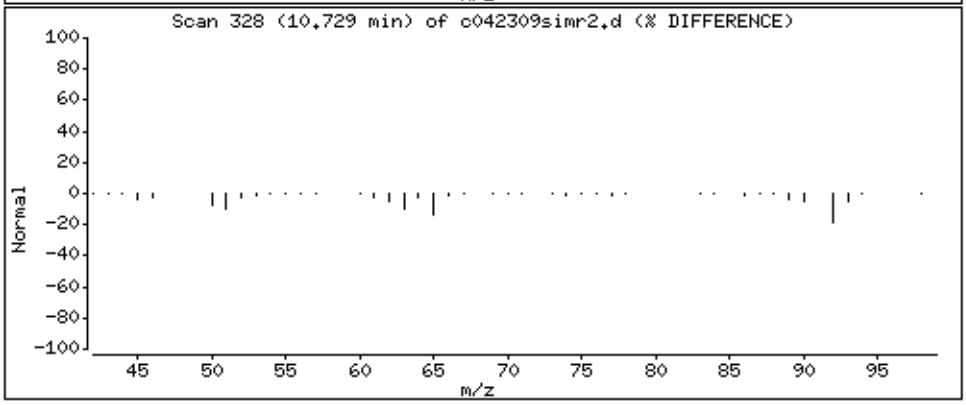












Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

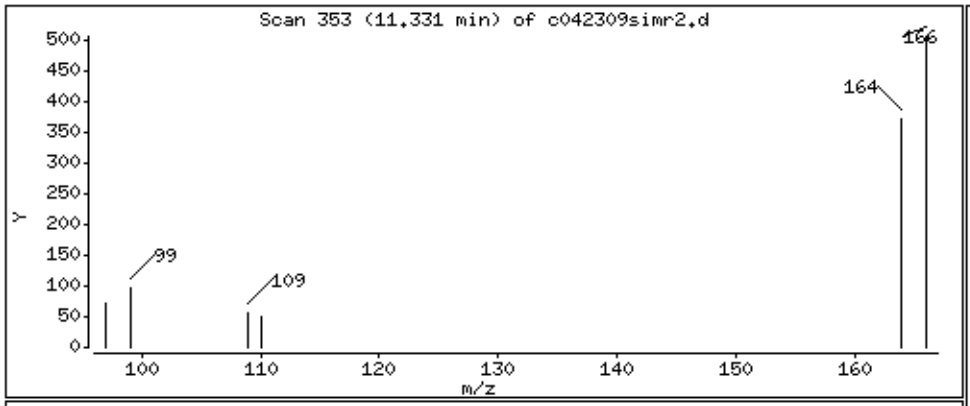
Operator: gm

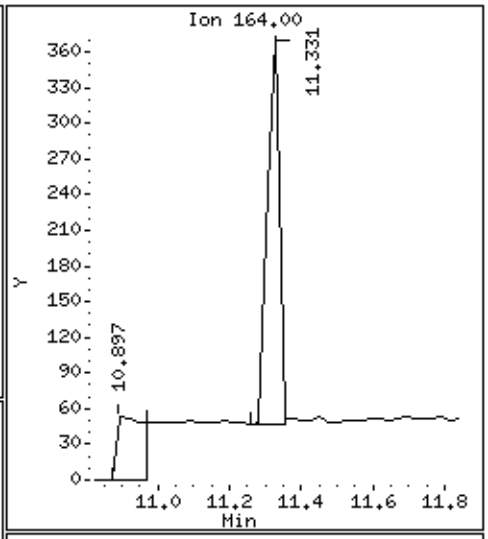
Column phase: DB-5.625

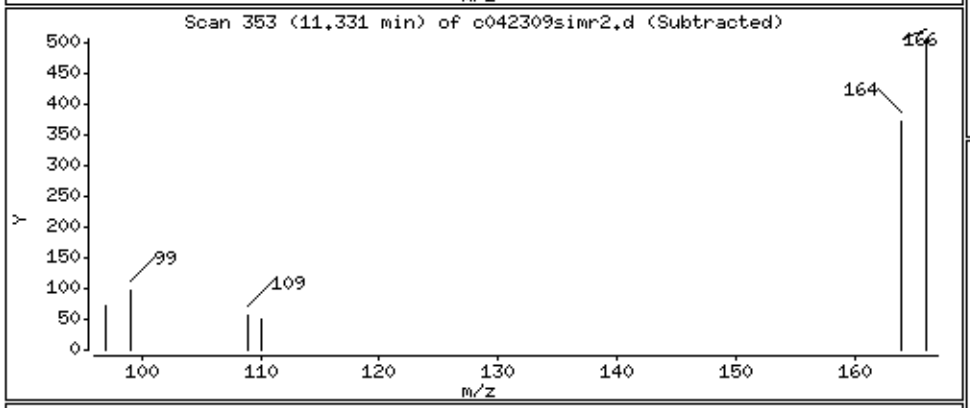
Column diameter: 0.25

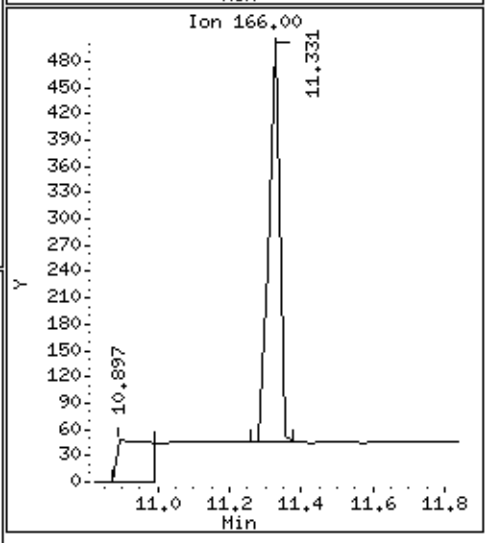
29 Tetrachloroethene

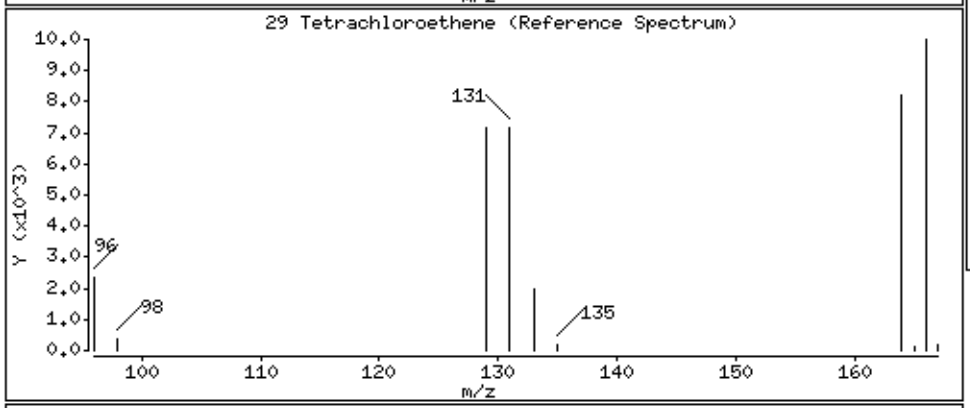
Concentration: 0.0722493 ug

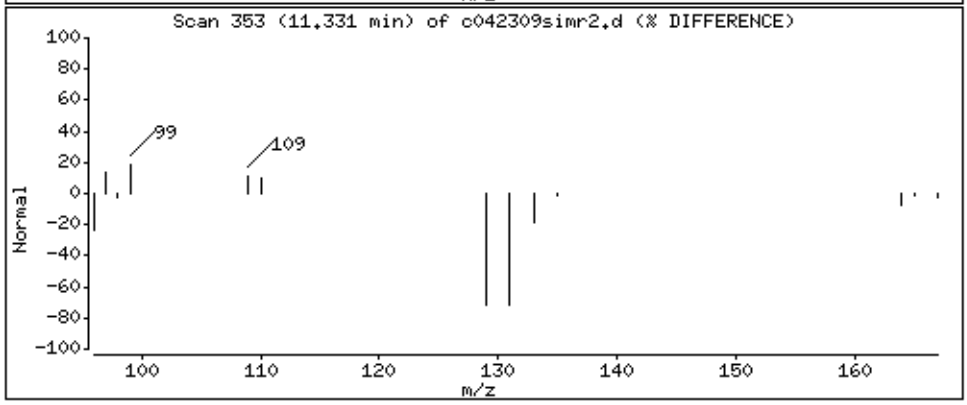












Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

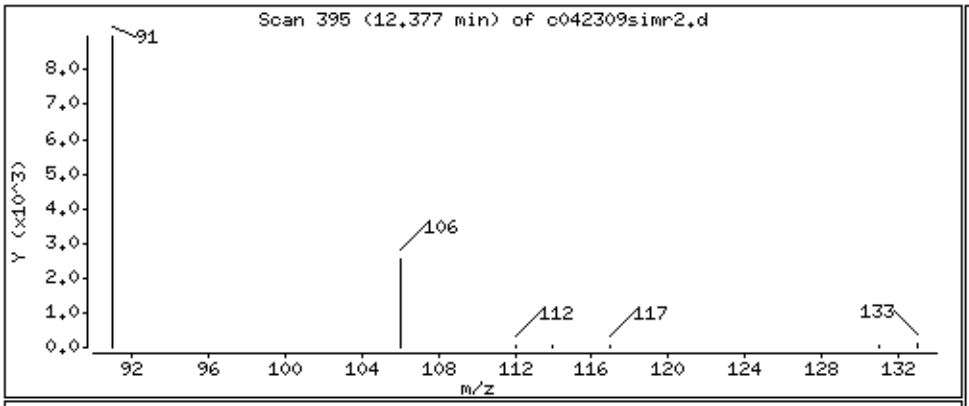
Operator: gm

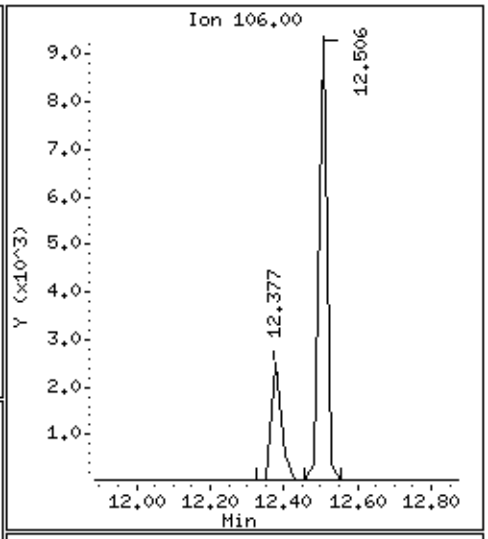
Column phase: DB-5.625

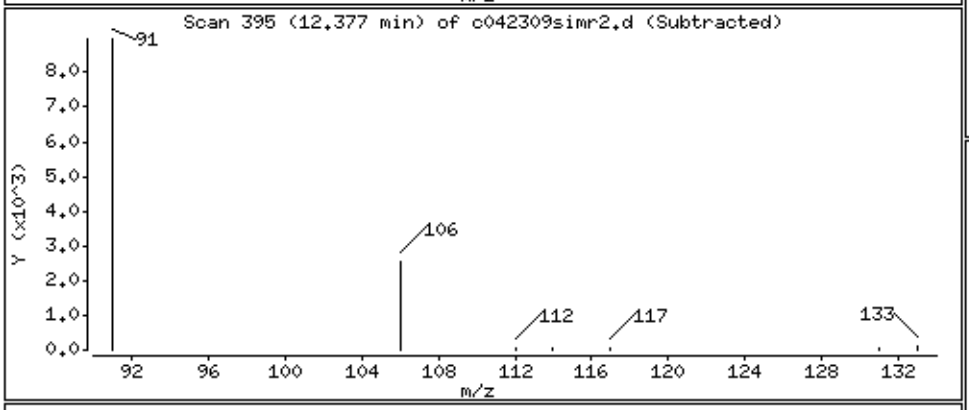
Column diameter: 0.25

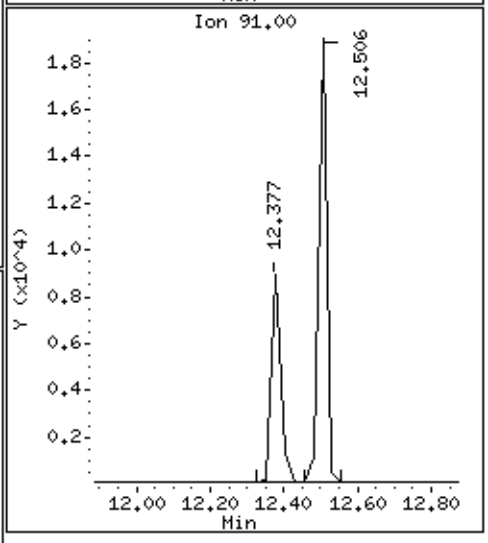
31 Ethylbenzene-CCC

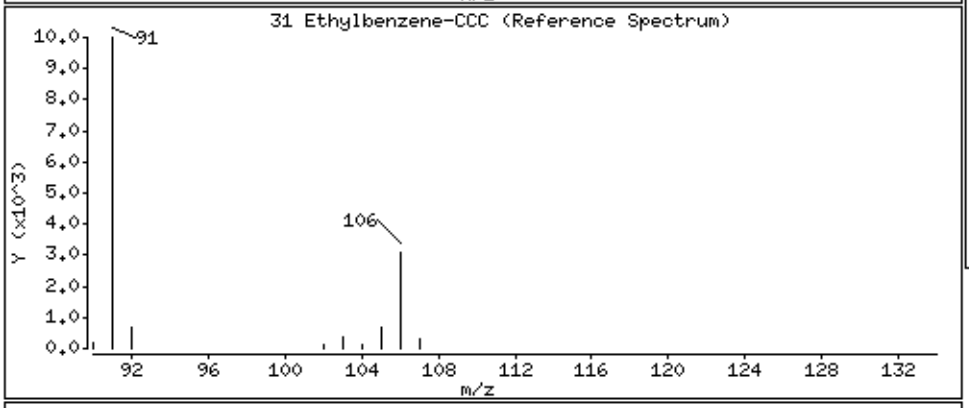
Concentration: 0.314327 ug

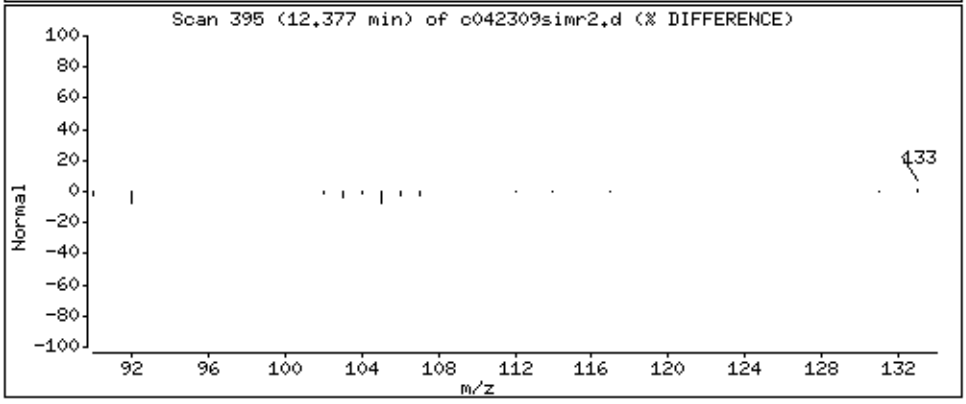












Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

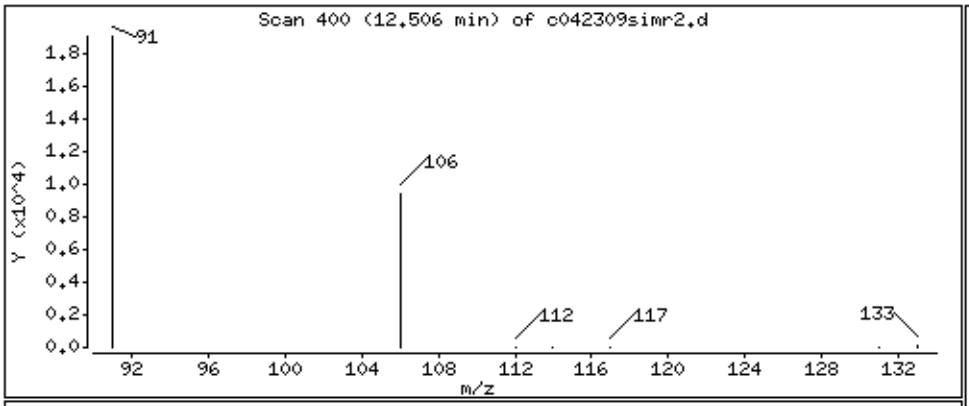
Operator: gm

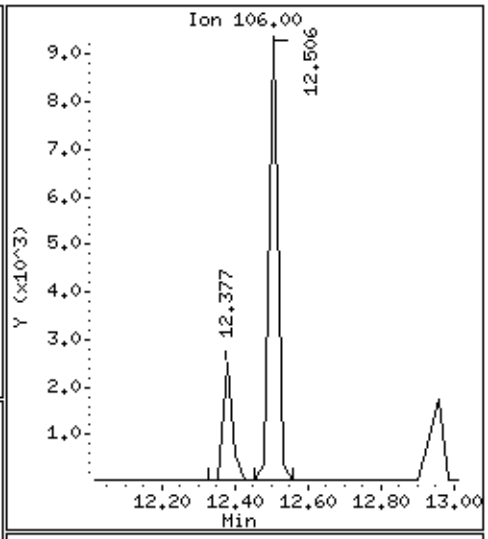
Column phase: DB-5.625

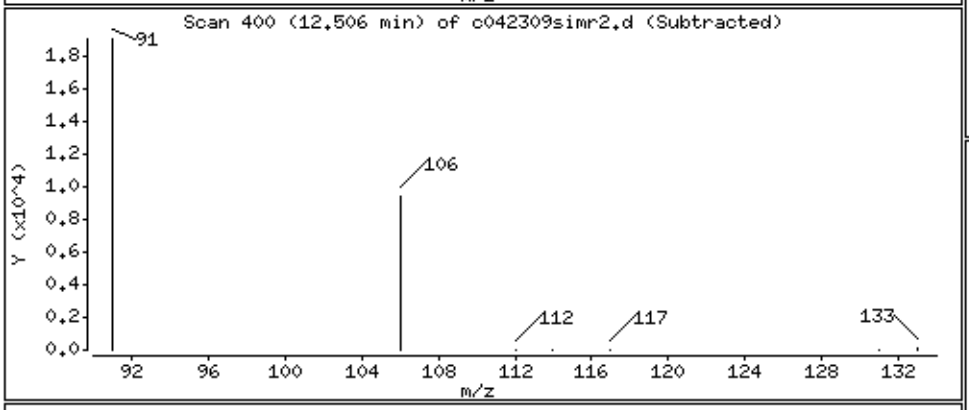
Column diameter: 0.25

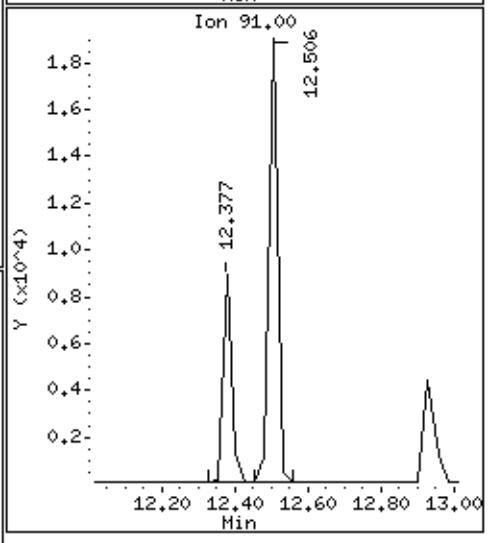
33 m,p-Xylene

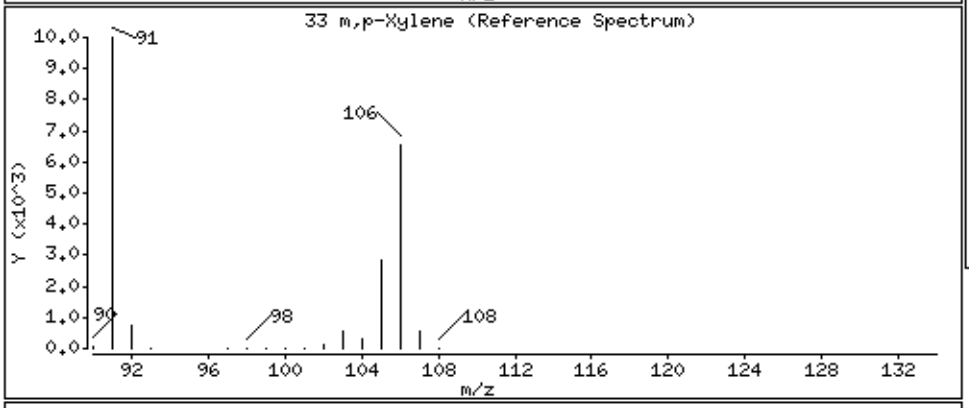
Concentration: 0.743951 ug

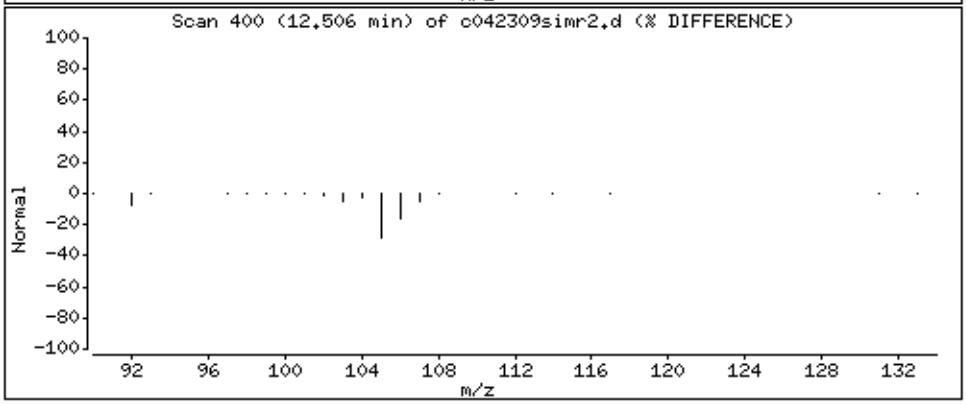












Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

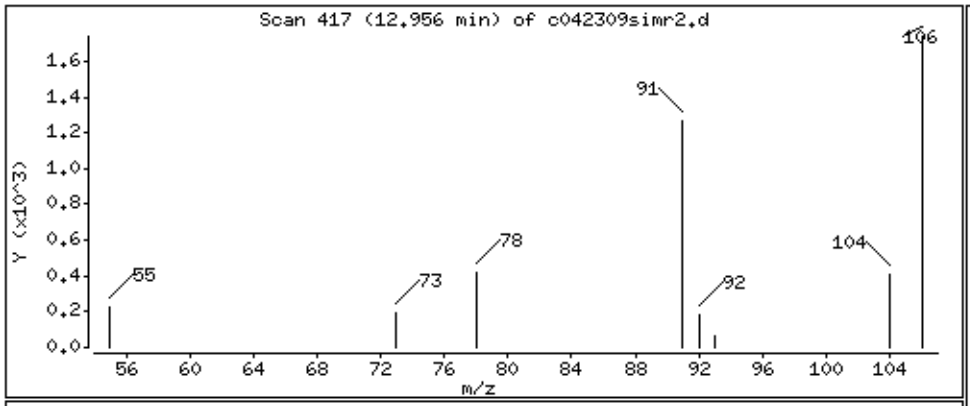
Operator: gm

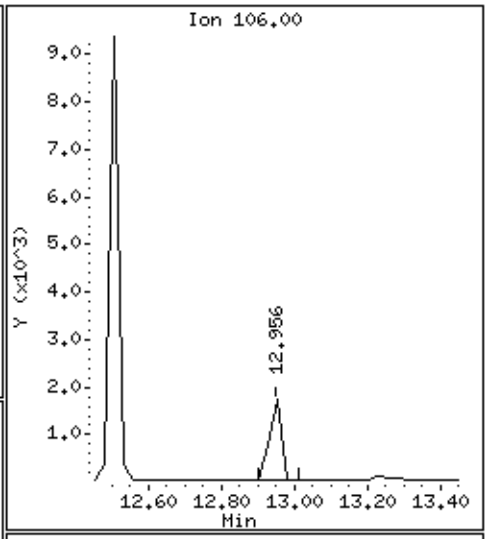
Column phase: DB-5.625

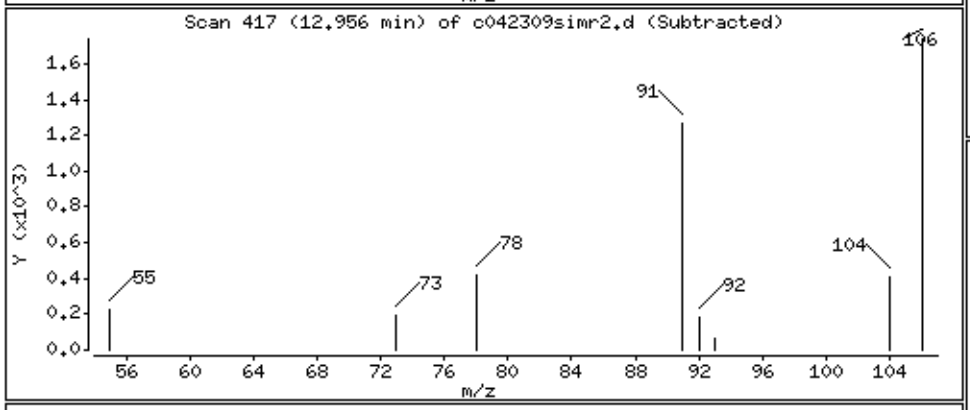
Column diameter: 0.25

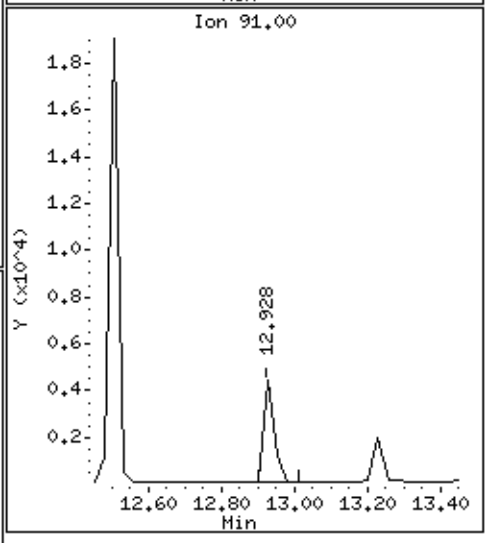
34 o-Xylene

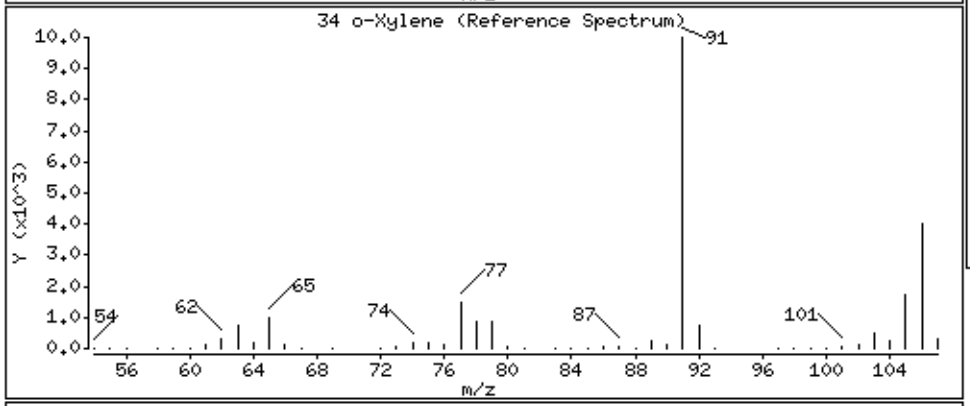
Concentration: 0.241686 ug

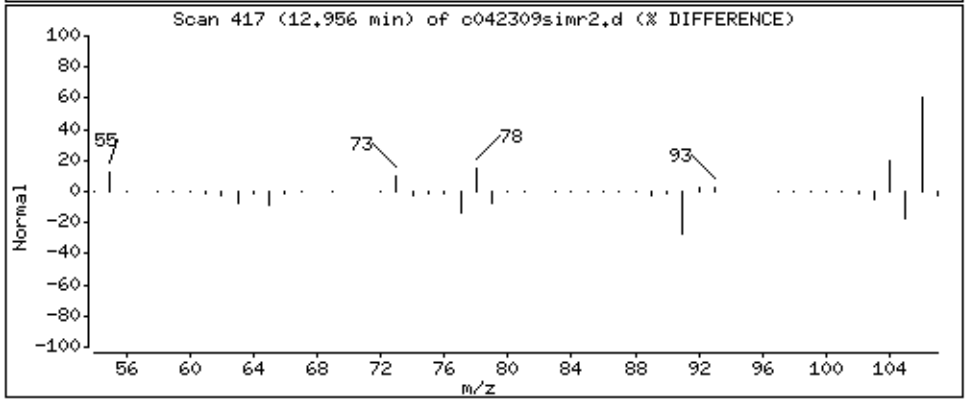












Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

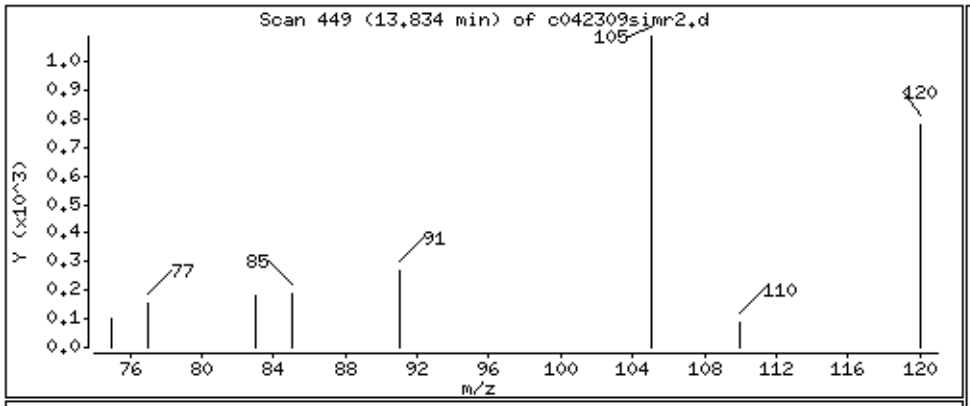
Operator: gm

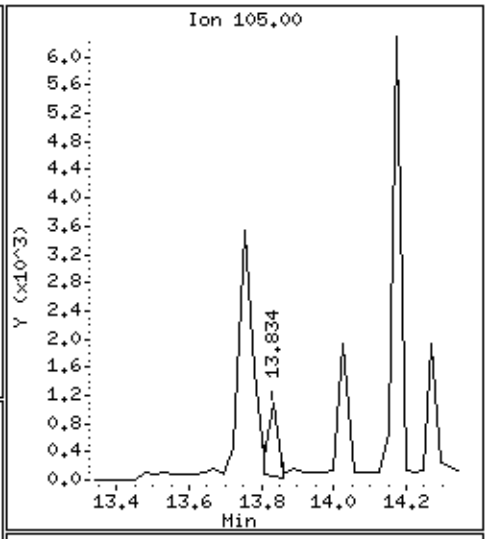
Column phase: DB-5.625

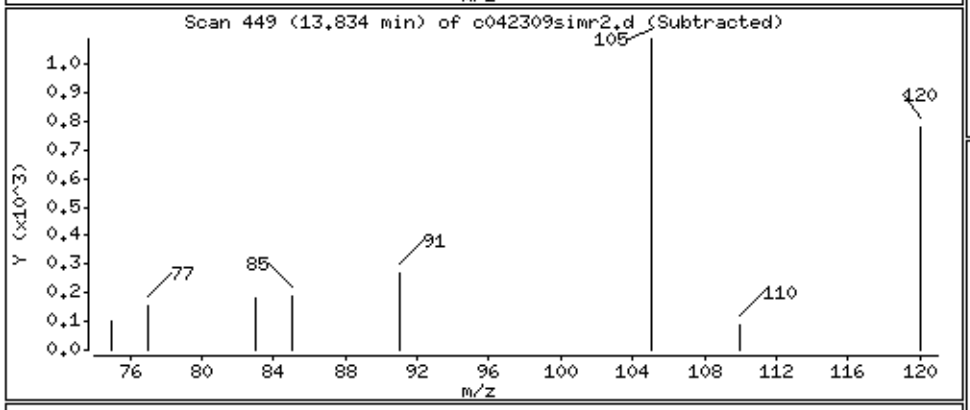
Column diameter: 0.25

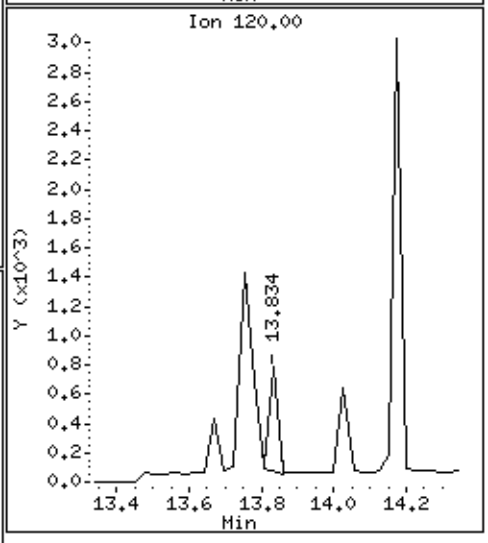
40 1,3,5-Trimethylbenzene

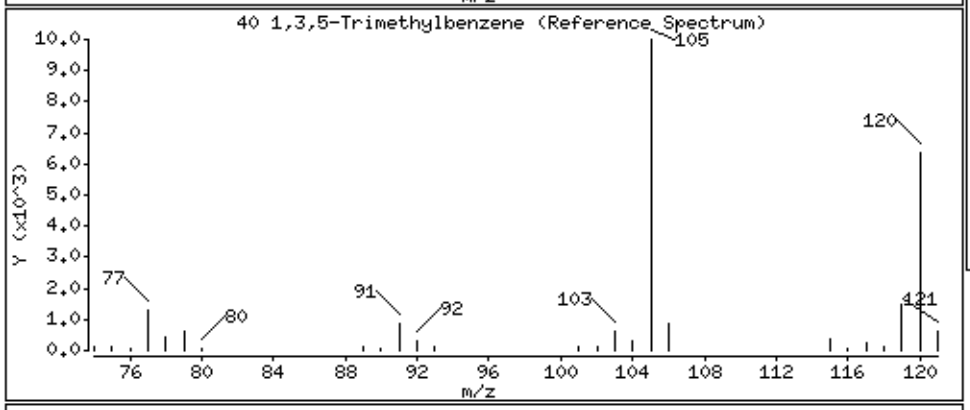
Concentration: 0.0597263 ug

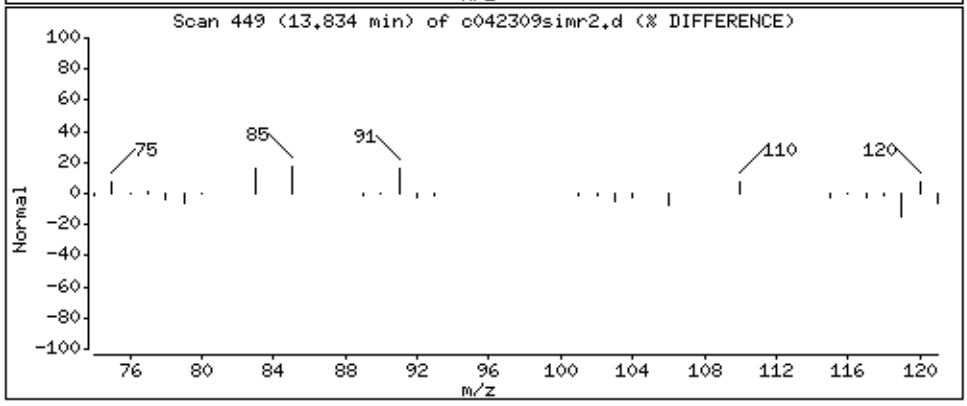












Data File: /chem/msdc.i/23Apr2015.b/c042309simr2.d

Date : 23-APR-2015 12:35

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-01A;

Volume Injected (uL): 1.0

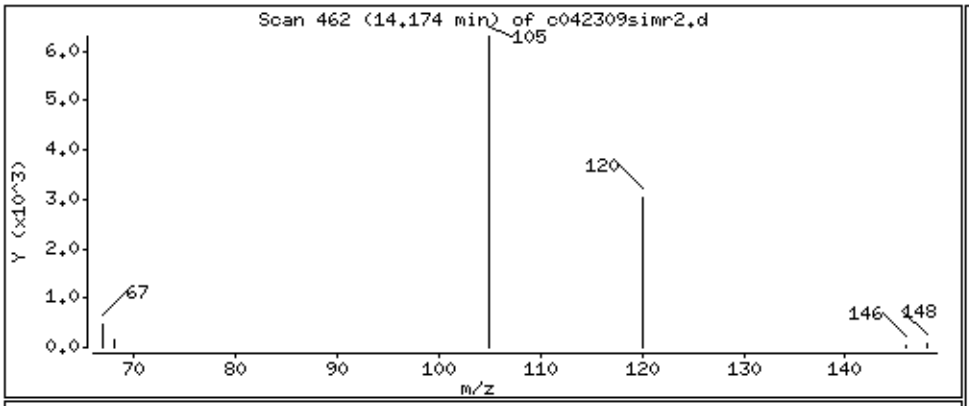
Operator: gm

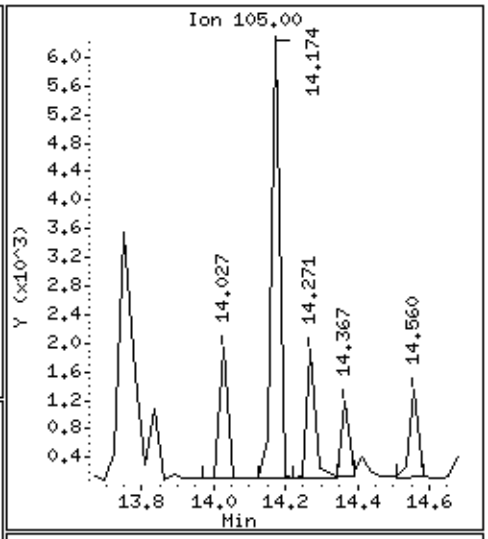
Column phase: DB-5.625

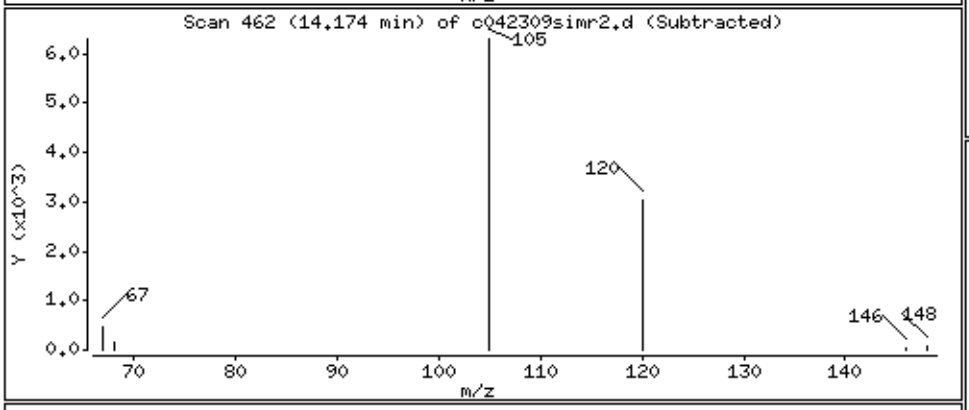
Column diameter: 0.25

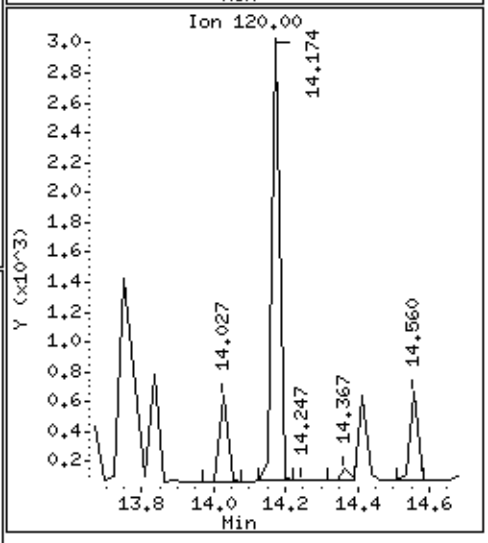
41 1,2,4-Trimethylbenzene

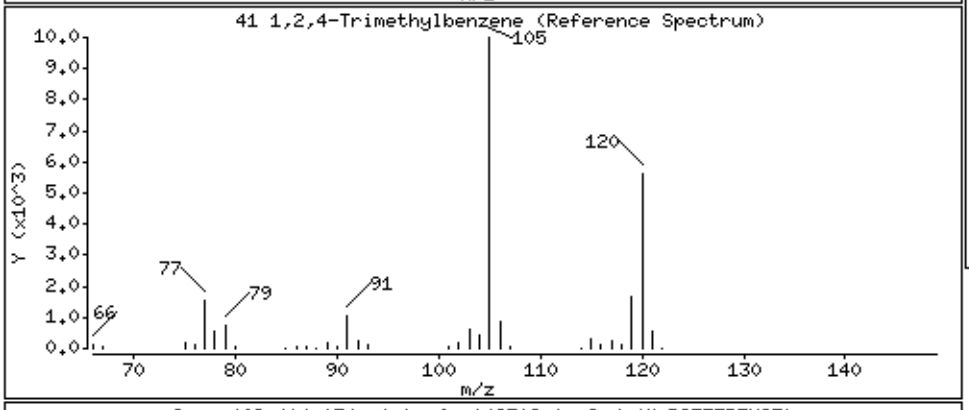
Concentration: 0.208220 ug

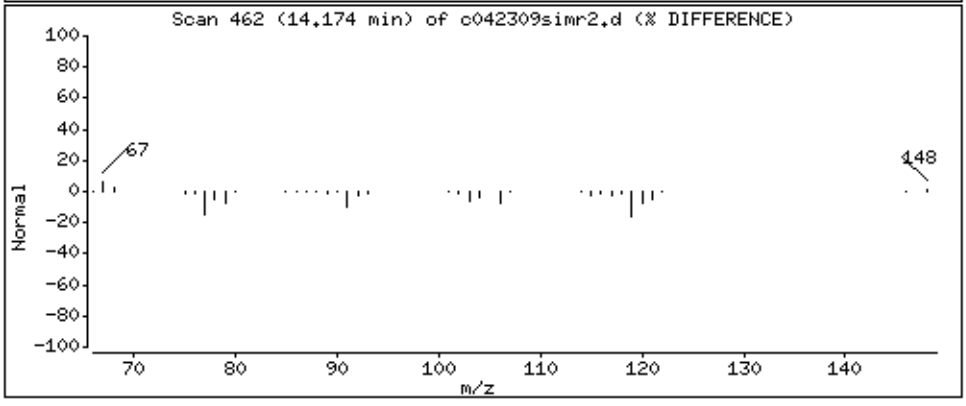












eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 5230-IA01-0415

Lab ID#: 1504309R2-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Benzene	0.40	0.48	0.63	0.76
1,2-Dichloroethane	0.10	0.12	0.072 J	0.090 J
Trichloroethene	0.10	0.14	0.038 J	0.052 J
Toluene	0.10	0.13	2.0	2.6
Tetrachloroethene	0.10	0.16	0.083 J	0.14 J
Ethyl Benzene	0.10	0.14	0.48	0.67
m,p-Xylene	0.10	0.14	1.6	2.2
o-Xylene	0.10	0.15	0.41	0.60
1,2,4-Trimethylbenzene	0.10	0.19	0.26	0.51
1,3,5-Trimethylbenzene	0.10	0.18	0.076 J	0.14 J

eurofins | Air Toxics

Client Sample ID: 5230-IA01-0415

Lab ID#: 1504309R2-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042310simr2**	**Date of Collection: 4/16/15 2:00:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 01:00 PM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	0.63	0.76
1,2-Dichloroethane	0.10	0.12	0.072 J	0.090 J
Trichloroethene	0.10	0.14	0.038 J	0.052 J
Toluene	0.10	0.13	2.0	2.6
Tetrachloroethene	0.10	0.16	0.083 J	0.14 J
Ethyl Benzene	0.10	0.14	0.48	0.67
m,p-Xylene	0.10	0.14	1.6	2.2
o-Xylene	0.10	0.15	0.41	0.60
Naphthalene	0.10	0.38	Not Detected	Not Detected
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	0.26	0.51
1,3,5-Trimethylbenzene	0.10	0.18	0.076 CJ	0.14 CJ
Vinyl Chloride	0.40	0.43	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.6F , duration time = 10060 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	113	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042310simr2.d
Lab Smp Id: 1504309R2-02A
Inj Date : 23-APR-2015 13:00
Operator : gm Inst ID: msdc.i
Smp Info : ;1504309R2-02A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 26-Jun-2015 14:36 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
	2 Vinyl Chloride	62	Compound Not Detected.					
	4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
	8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
	14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	17 1,1,1-Trichloroethane	97	Compound Not Detected.					
	19 Benzene	78	8.603	8.603	(0.783)	15899	0.31610	0.632204
	20 1,2-Dichloroethane	62	8.696	8.696	(0.791)	835	0.03617	0.0723352(aM)
	22 Trichloroethene	130	9.331	9.331	(0.849)	313	0.01885	0.0377017(a)
$	25 Toluene-d8	98	10.656	10.656	(0.969)	269305	5.64931	11.2986
	26 Toluene-CCC	92	10.728	10.728	(0.976)	41522	1.00837	2.01675
*	27 2-Fluorotoluene	109	10.993	10.993	(1.000)	289611	5.00000	
	28 1,1,2-Trichloroethane	97	Compound Not Detected.					
	29 Tetrachloroethene	164	11.331	11.331	(1.031)	787	0.04157	0.0831407(aM)
	31 Ethylbenzene-CCC	106	12.377	12.377	(1.126)	6302	0.23801	0.476023
	33 m,p-Xylene	106	12.506	12.506	(1.138)	30150	0.81374	1.62749

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	12.956	12.956	(1.178)	5994	0.20356	0.407122
40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	2520	0.03791	0.0758210(aM)
41 1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	11133	0.13281	0.265614
48 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042310simr2.d
Lab Smp Id: 1504309R2-02A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	289611	-10.77

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504309R2-02A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	11.2986	112.99	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

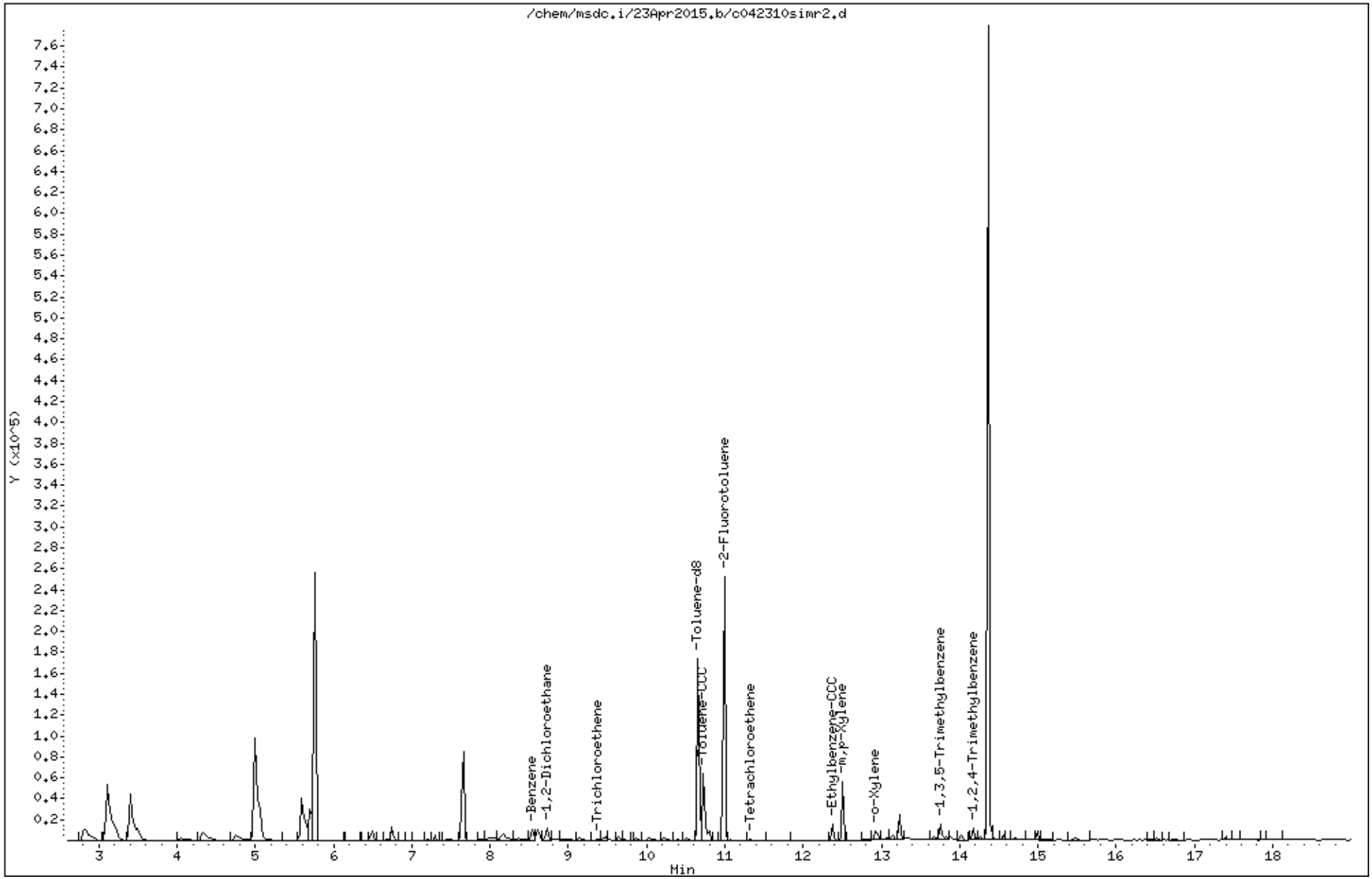
Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

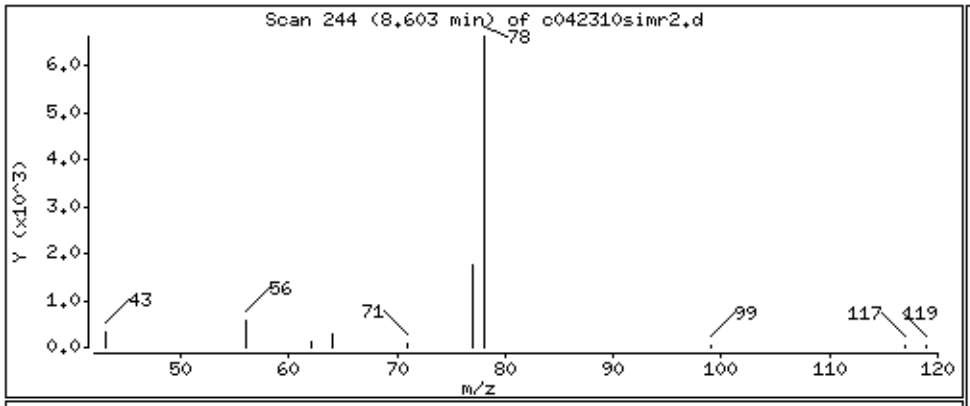
Operator: gm

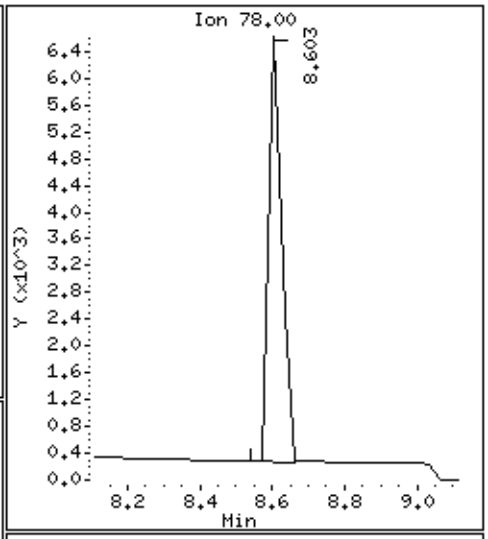
Column phase: DB-5.625

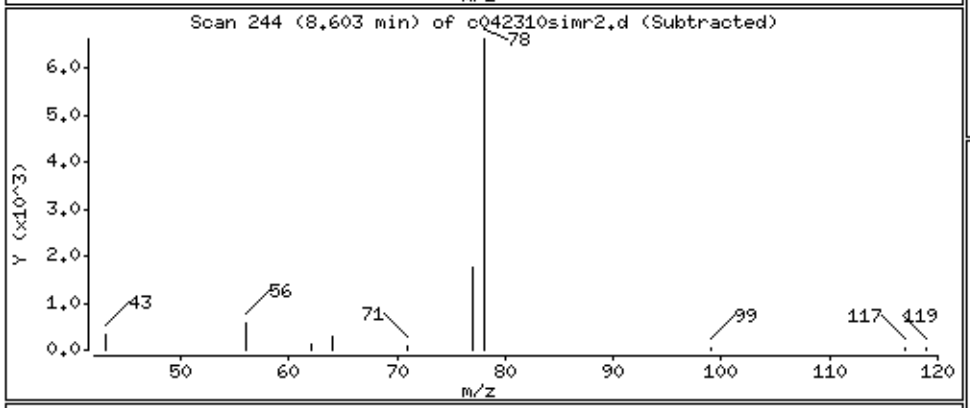
Column diameter: 0.25

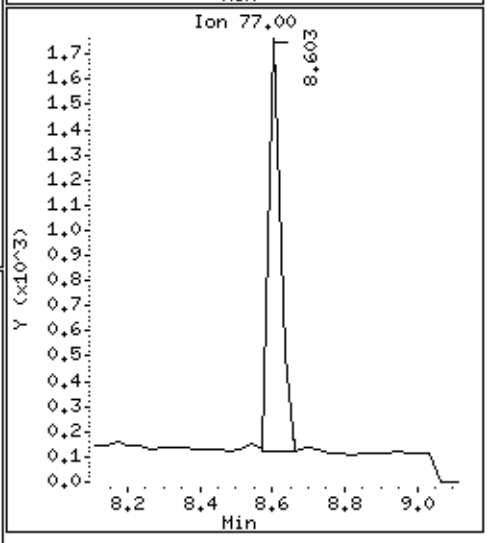
19 Benzene

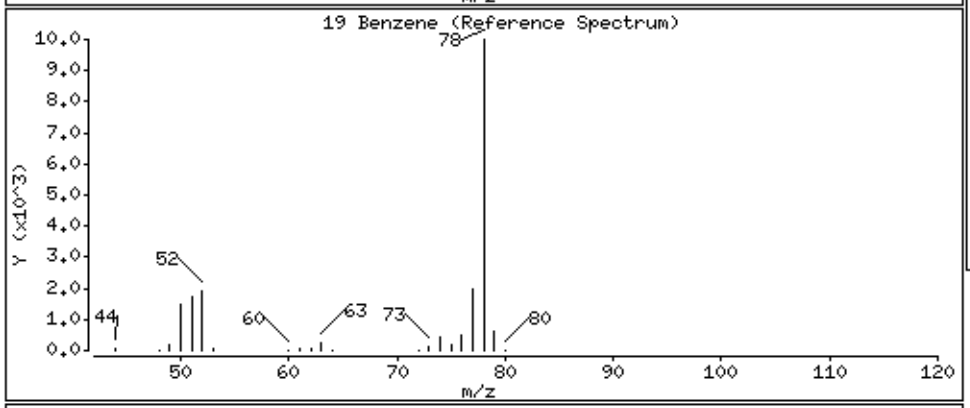
Concentration: 0.632204 ug

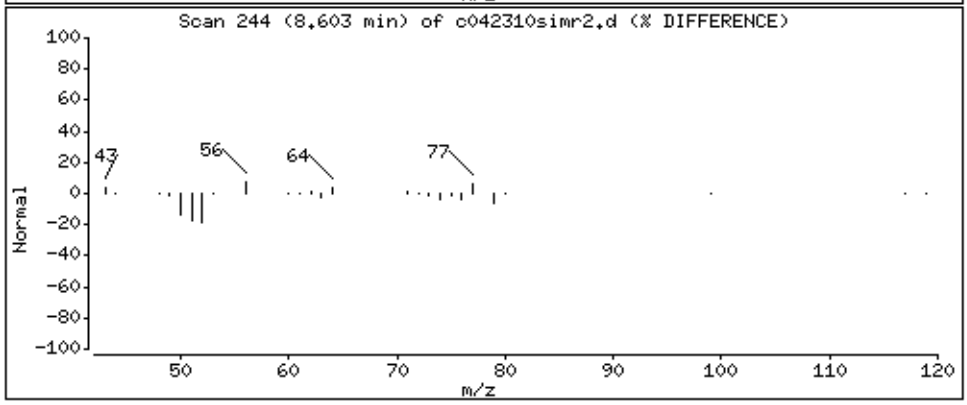












Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

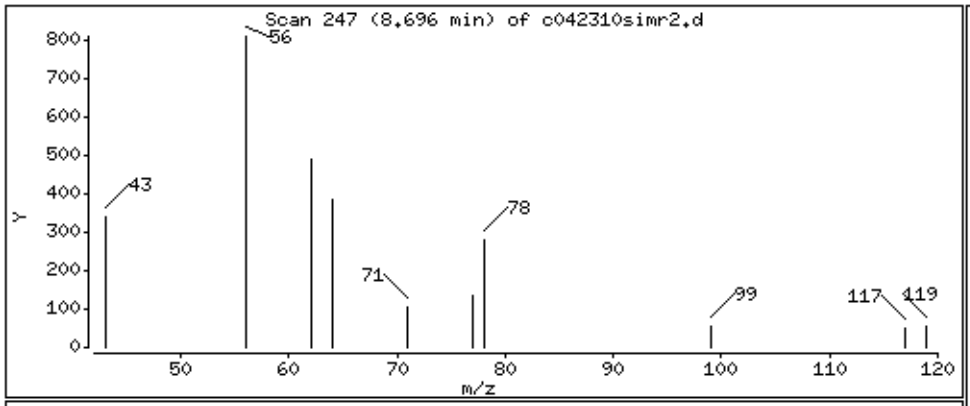
Operator: gm

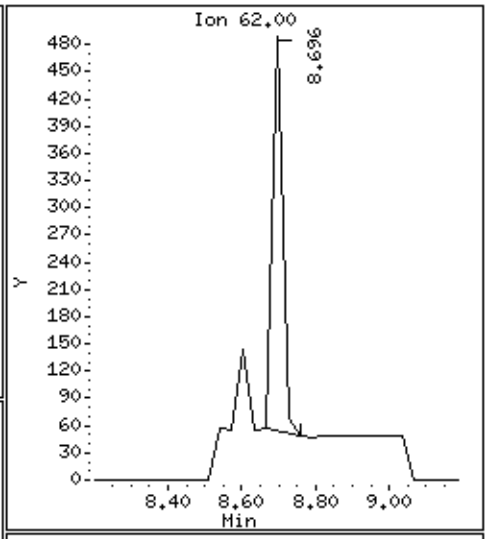
Column phase: DB-5.625

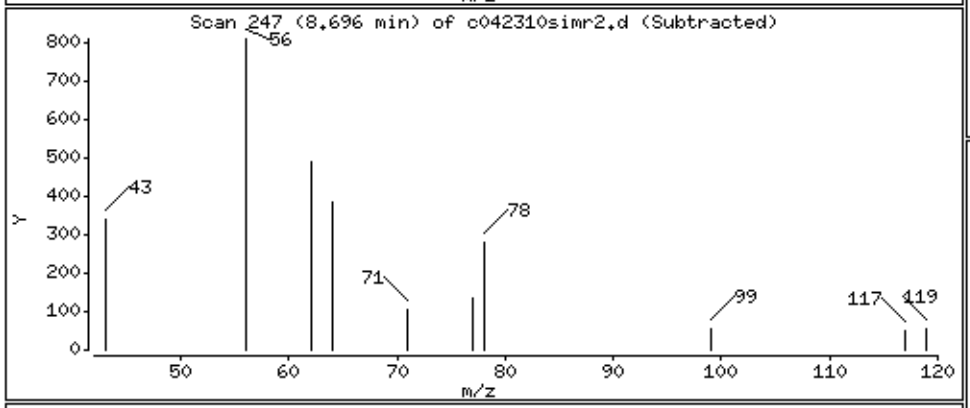
Column diameter: 0.25

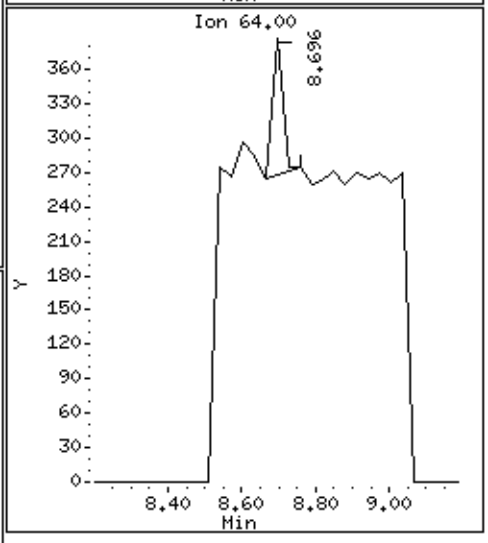
20 1,2-Dichloroethane

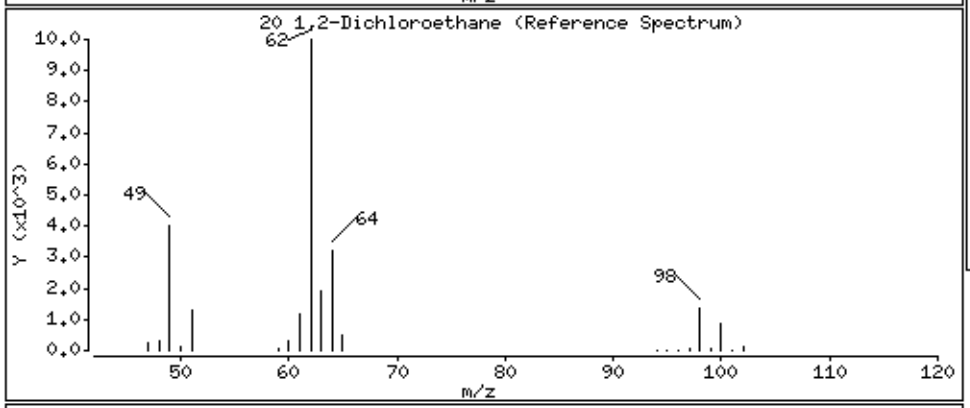
Concentration: 0.0723352 ug

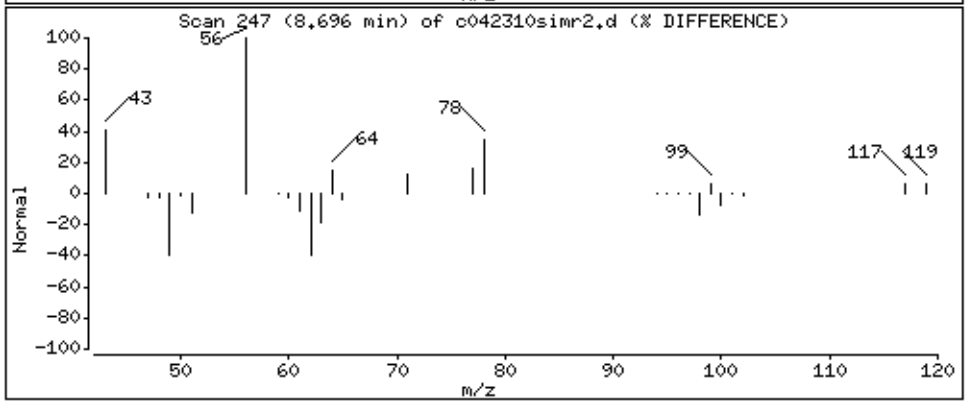












Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

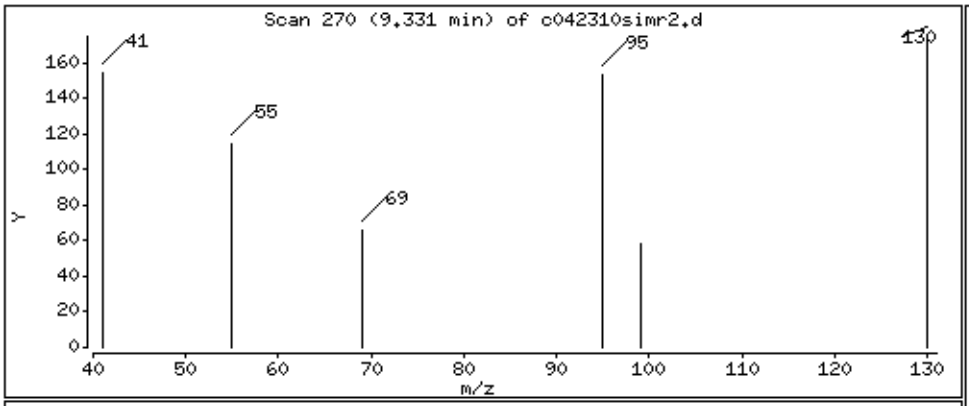
Operator: gm

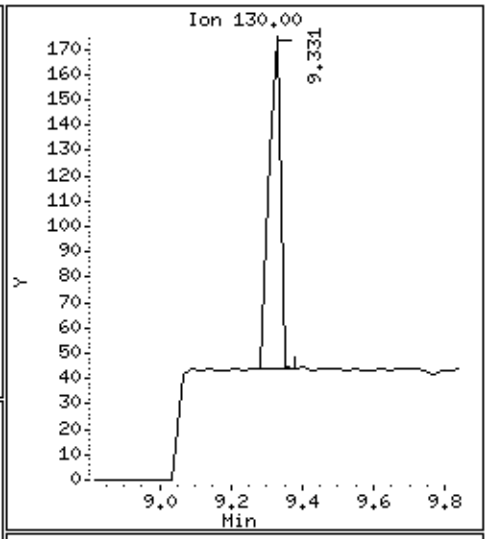
Column phase: DB-5.625

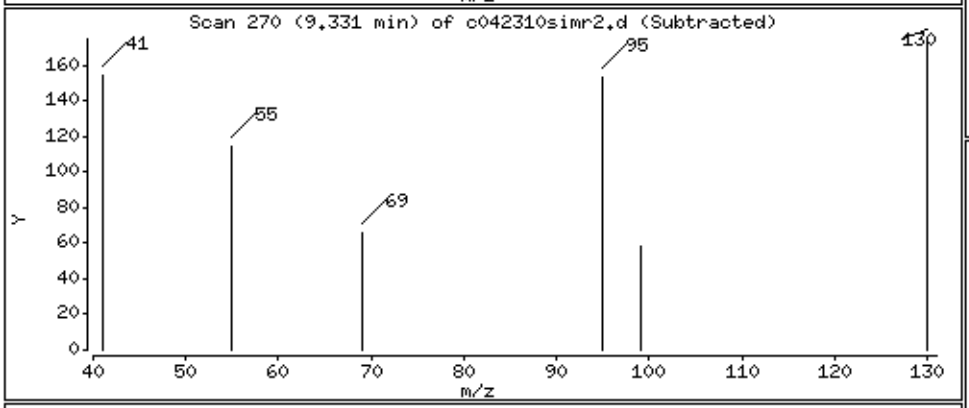
Column diameter: 0.25

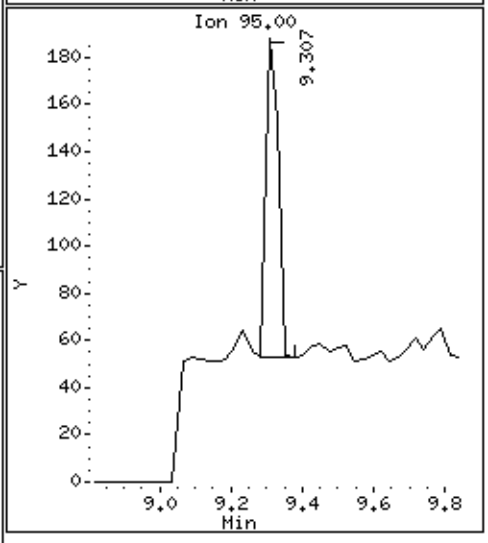
22 Trichloroethene

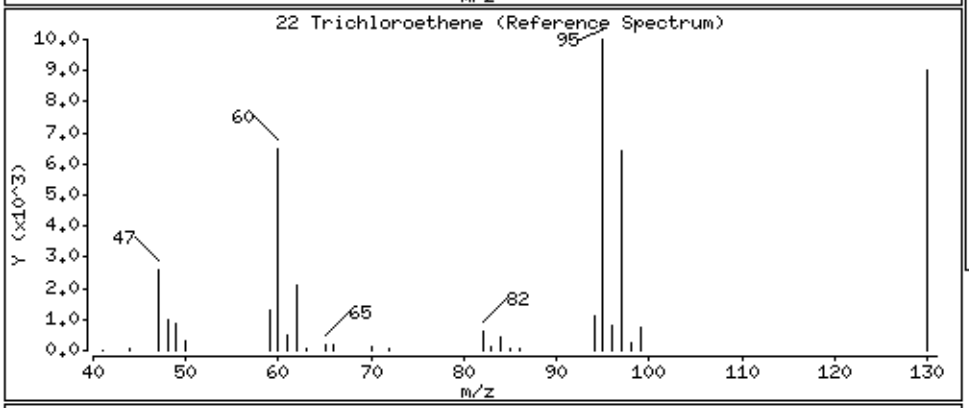
Concentration: 0.0377017 ug

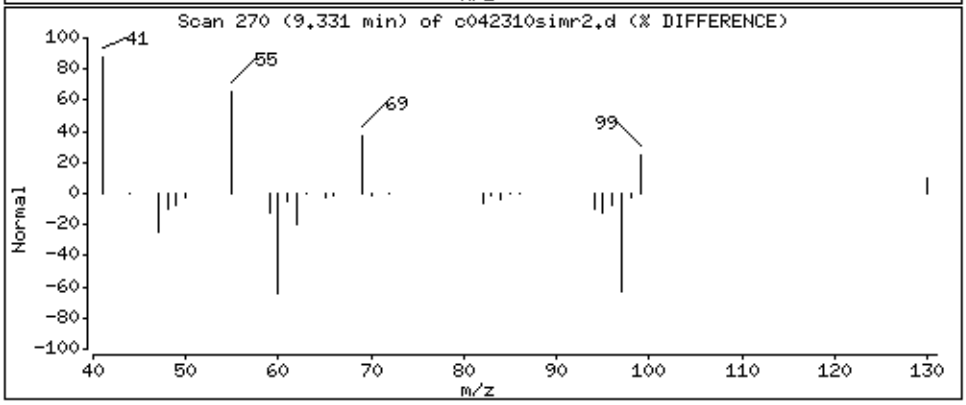












Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

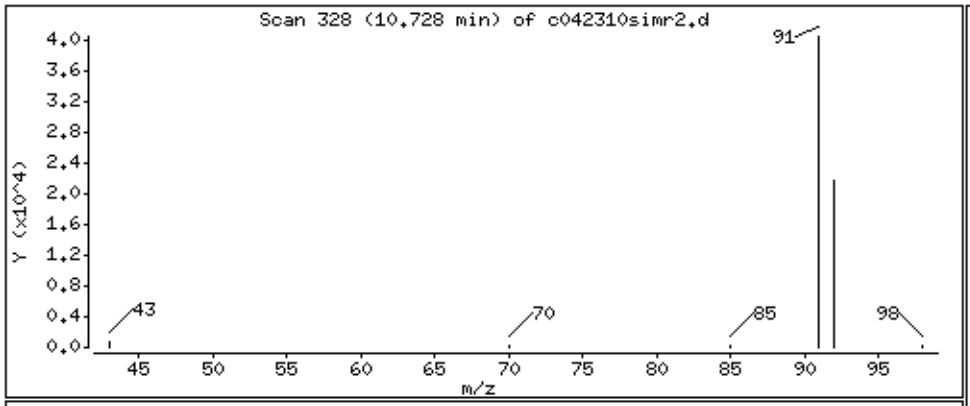
Operator: gm

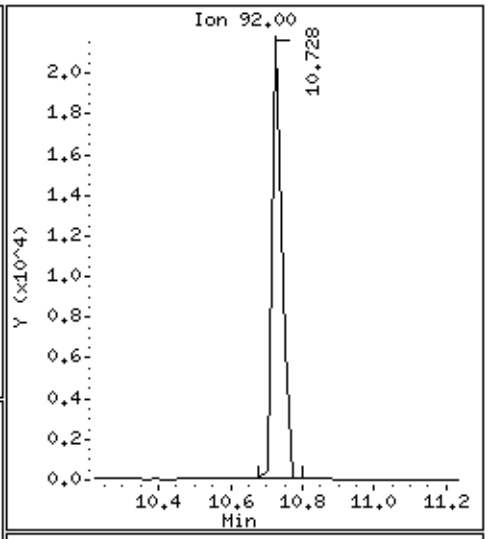
Column phase: DB-5.625

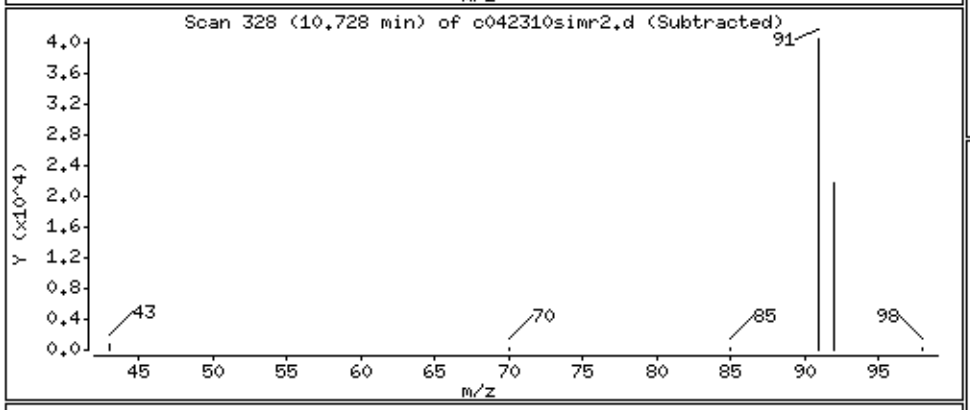
Column diameter: 0.25

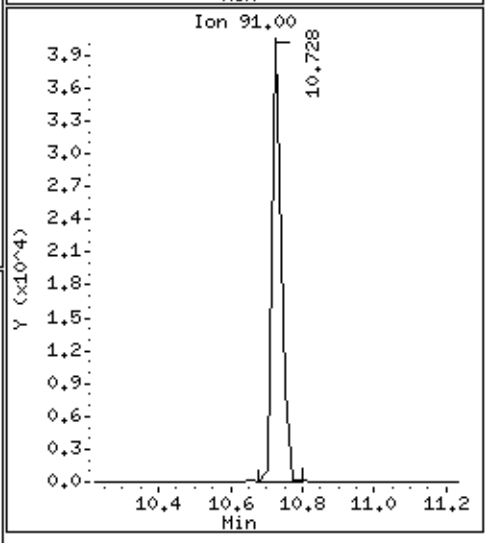
26 Toluene-CCC

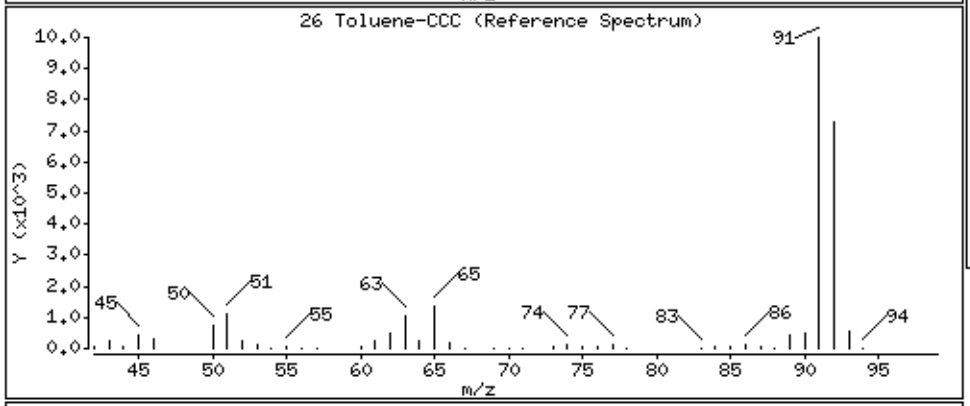
Concentration: 2.01675 ug

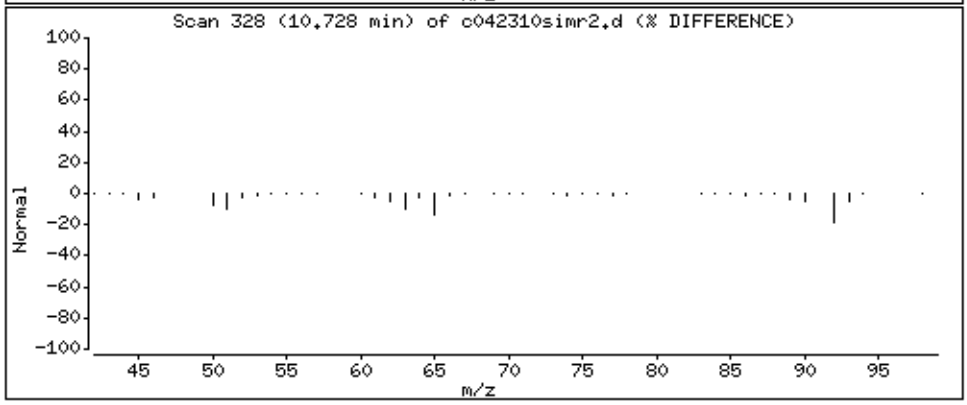












Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

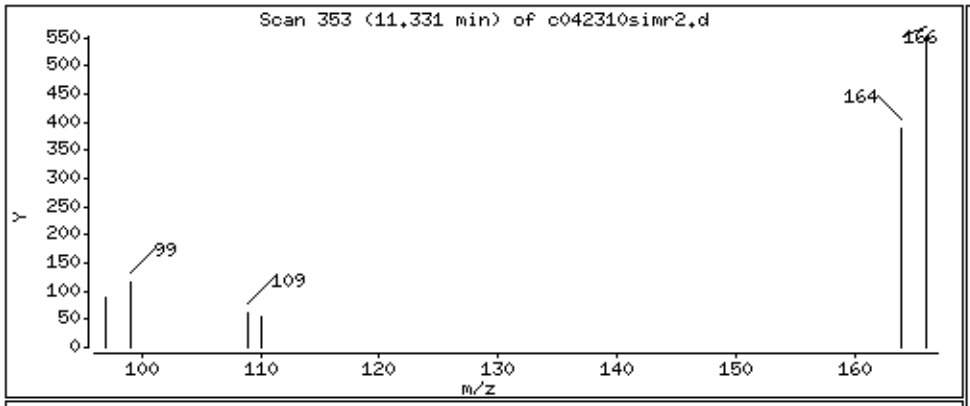
Operator: gm

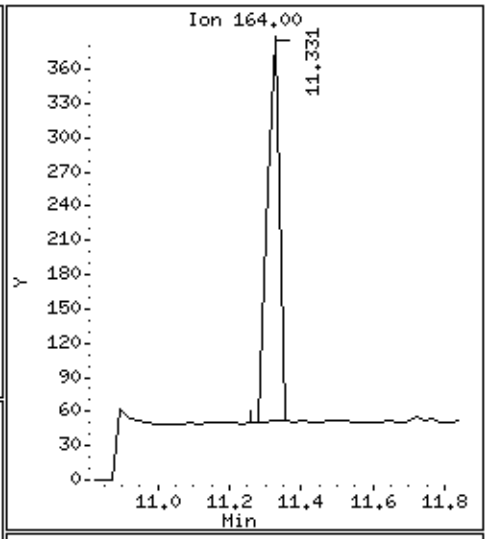
Column phase: DB-5.625

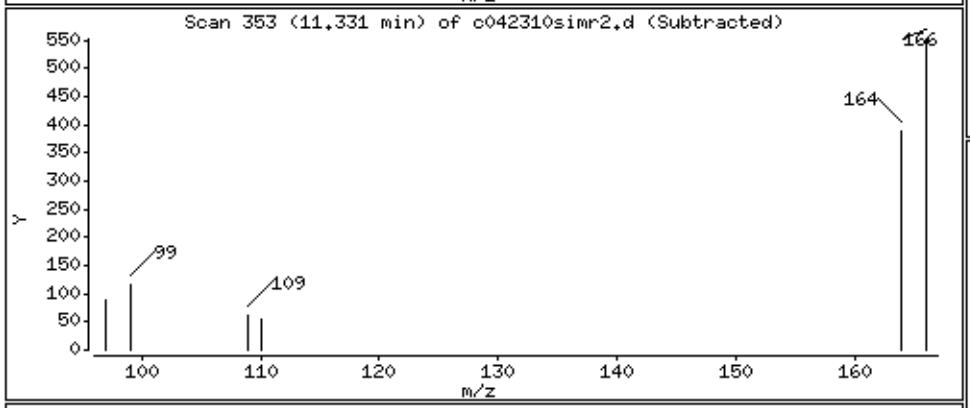
Column diameter: 0.25

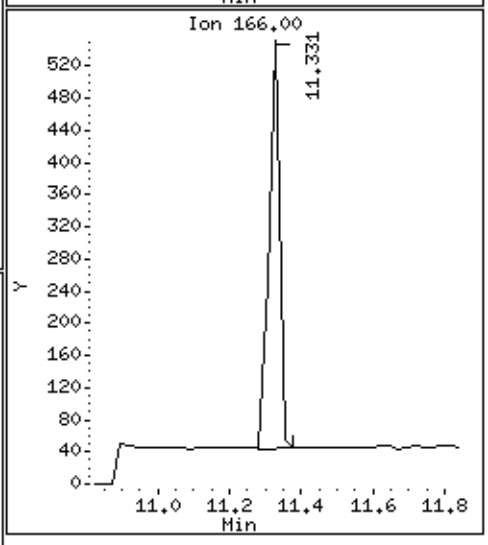
29 Tetrachloroethene

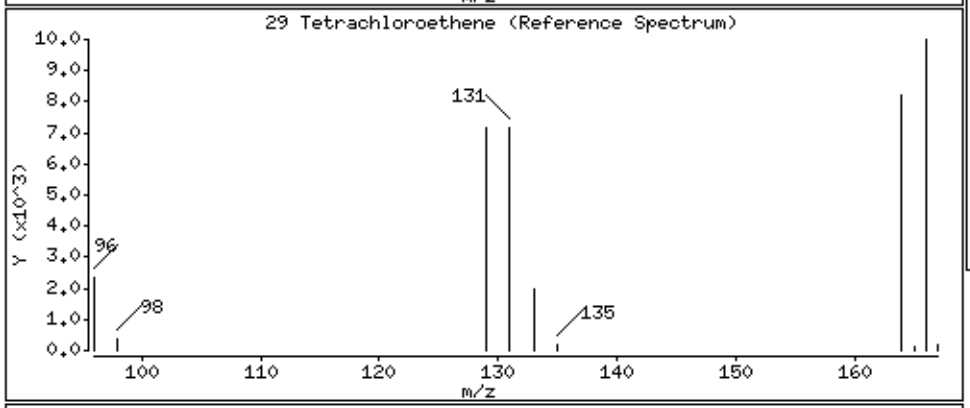
Concentration: 0.0831407 ug

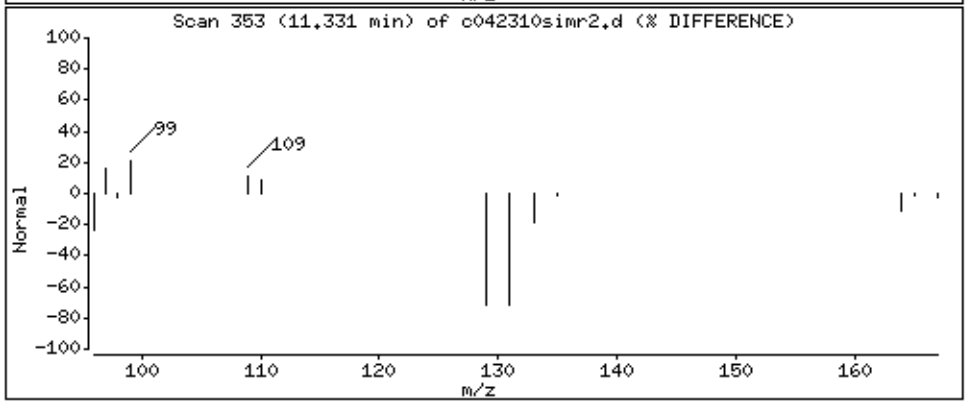












Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

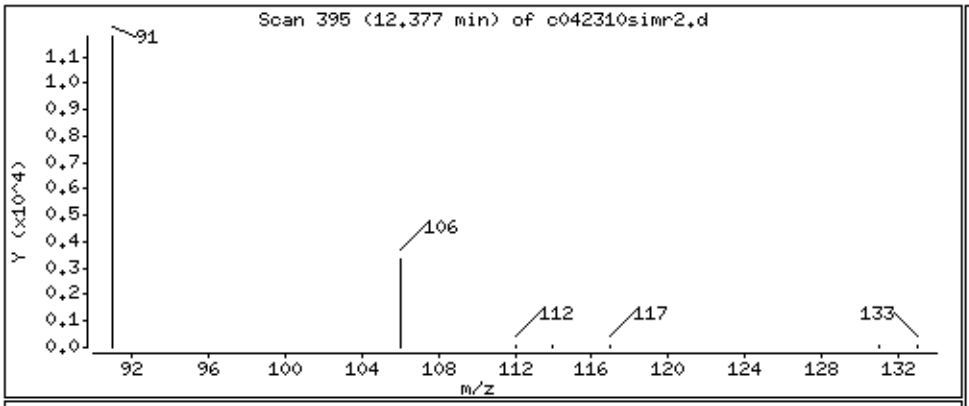
Operator: gm

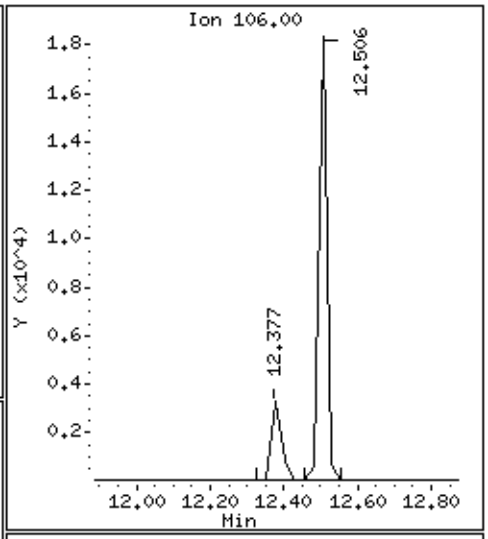
Column phase: DB-5.625

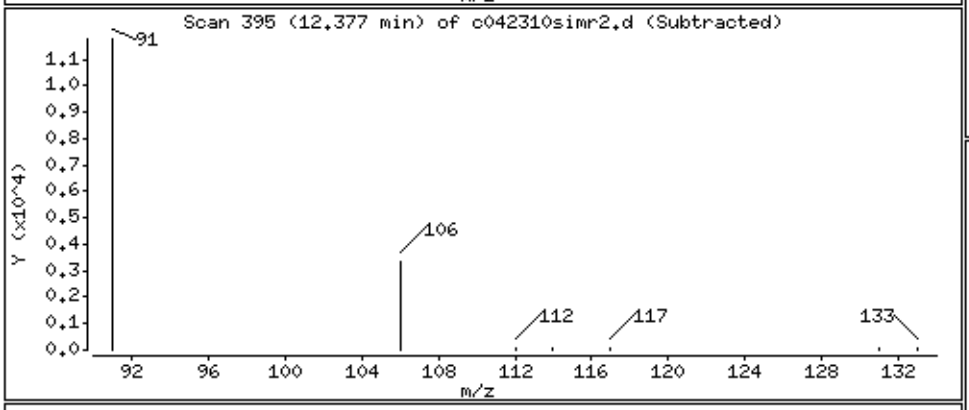
Column diameter: 0.25

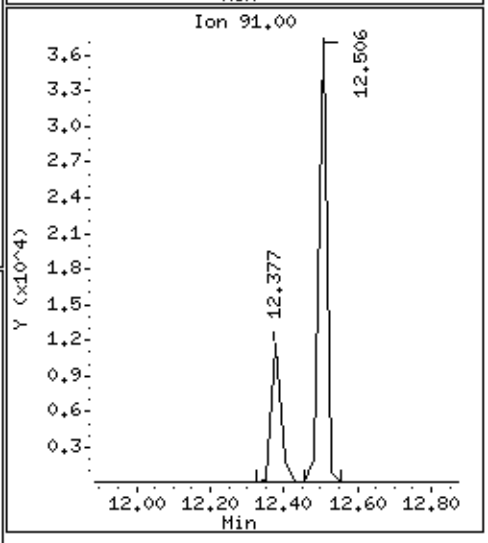
31 Ethylbenzene-CCC

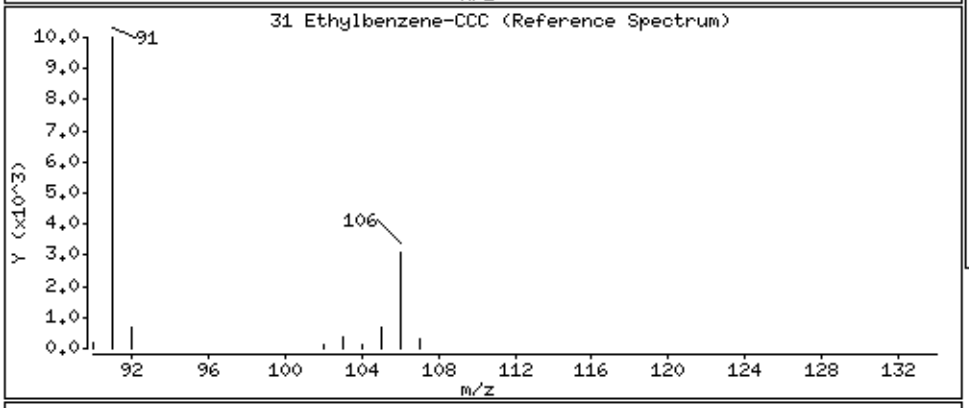
Concentration: 0.476023 ug

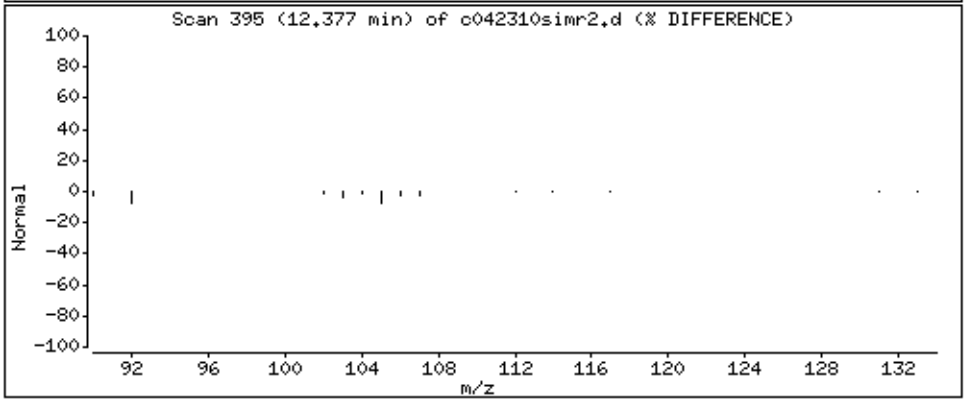












Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

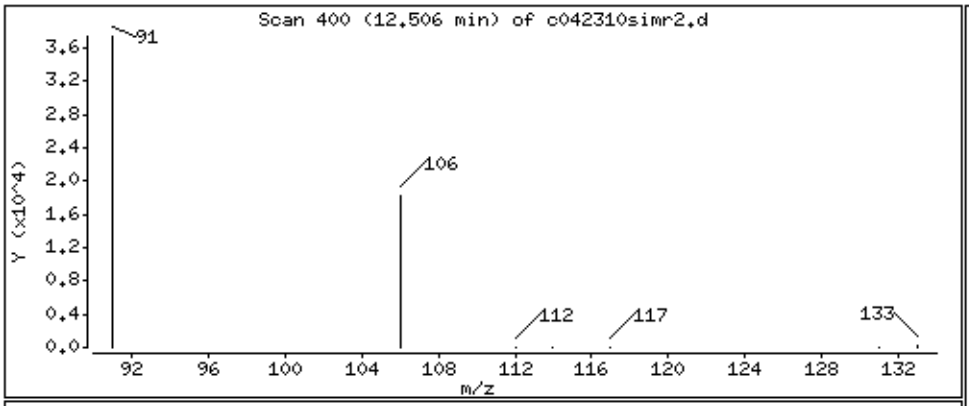
Operator: gm

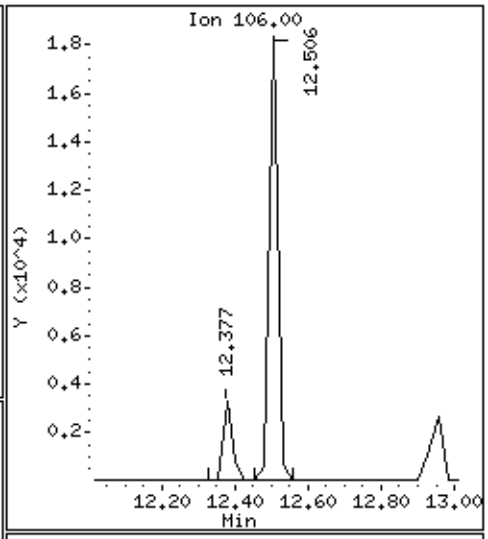
Column phase: DB-5.625

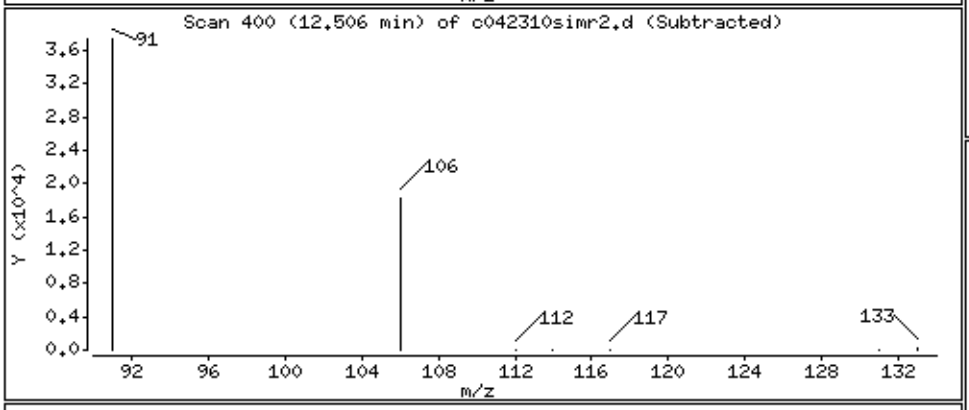
Column diameter: 0.25

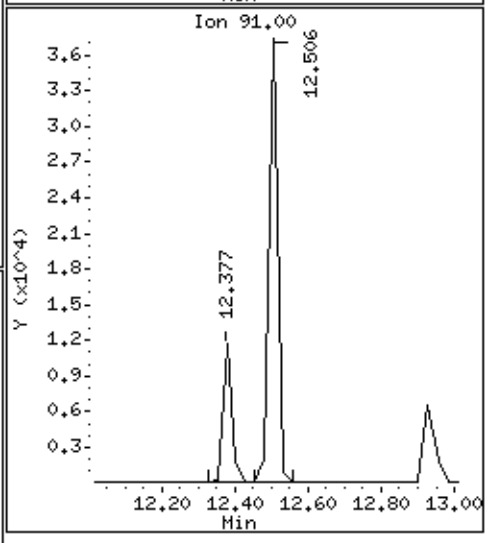
33 m,p-Xylene

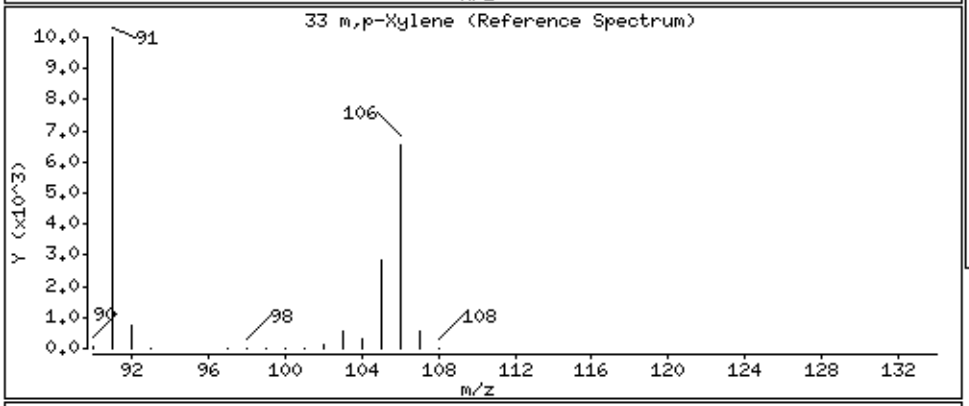
Concentration: 1.62749 ug

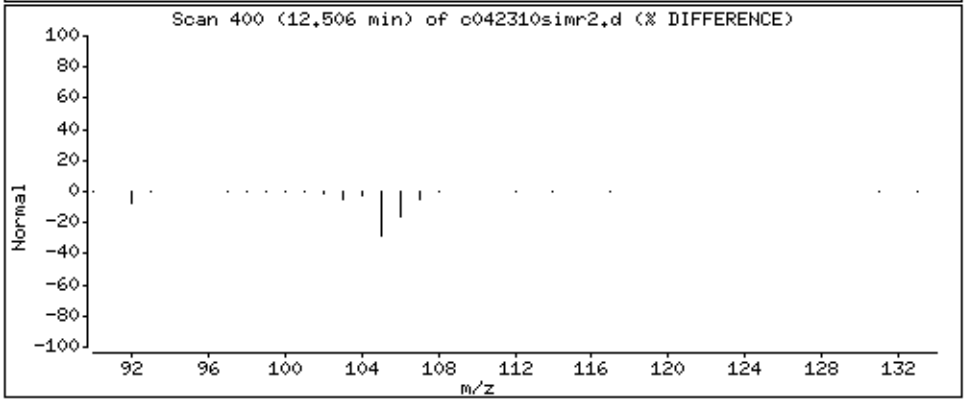












Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

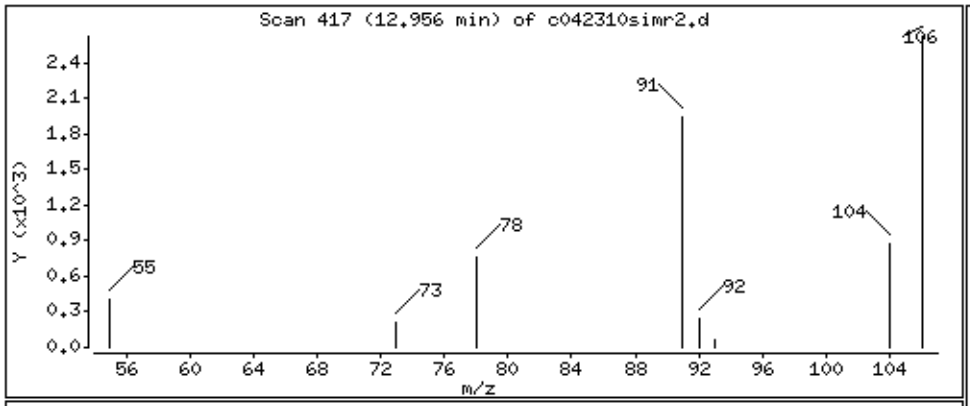
Operator: gm

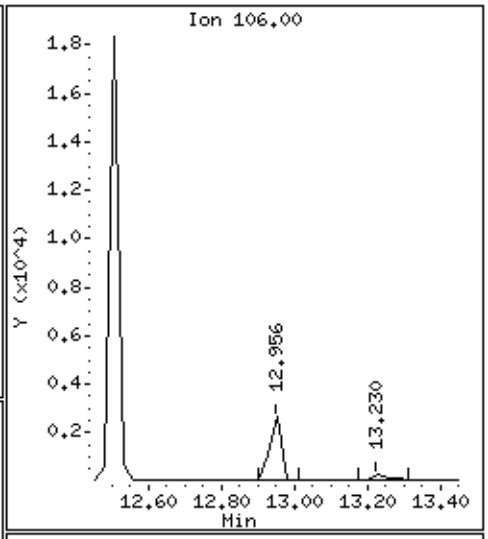
Column phase: DB-5.625

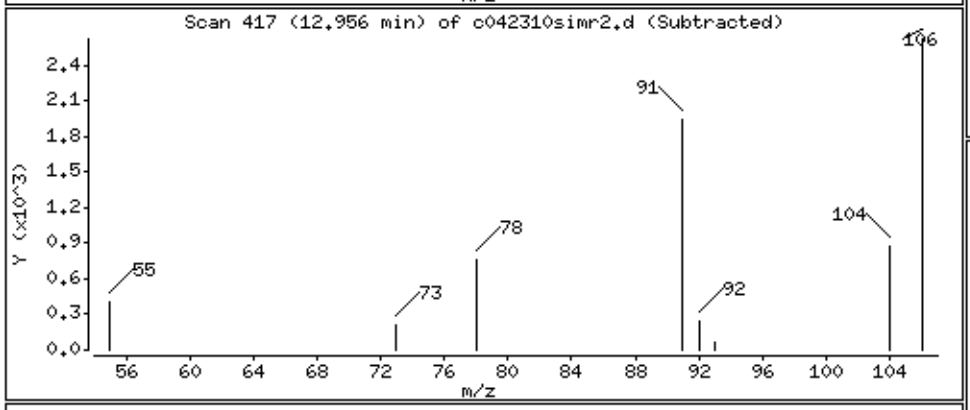
Column diameter: 0.25

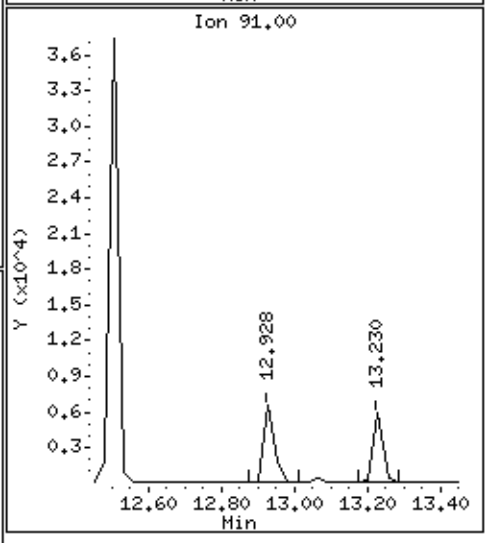
34 o-Xylene

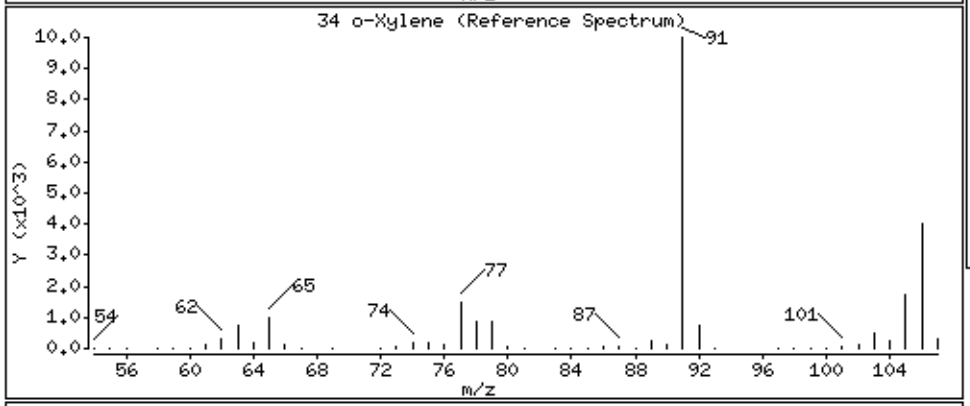
Concentration: 0.407122 ug

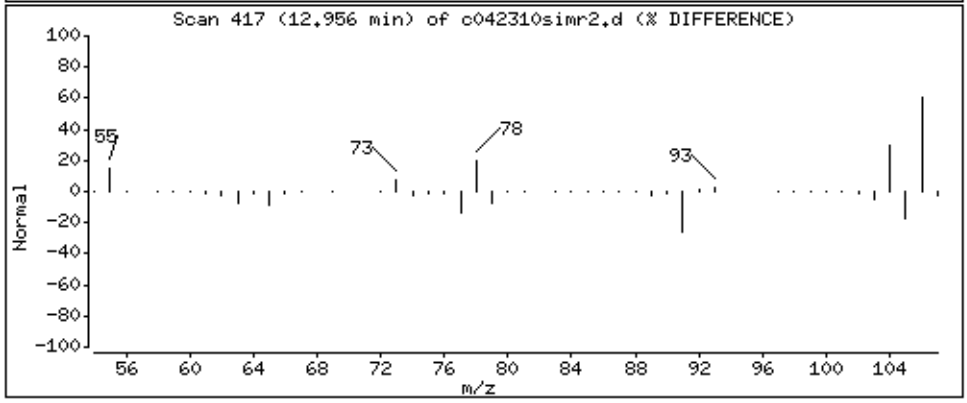












Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

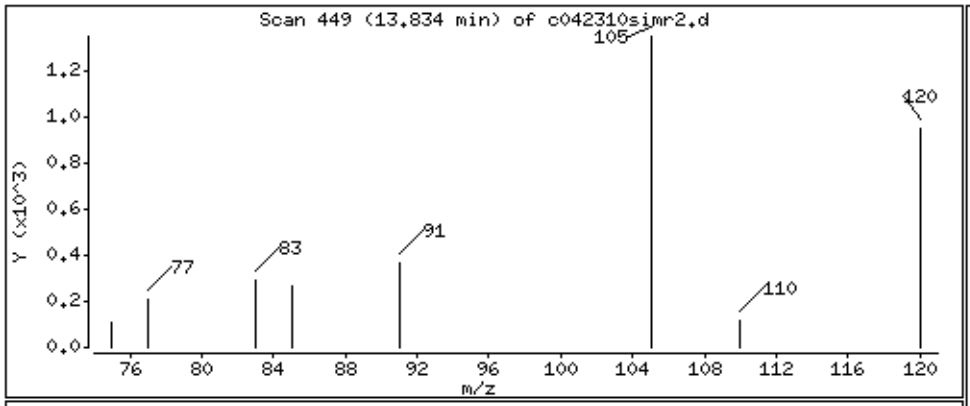
Operator: gm

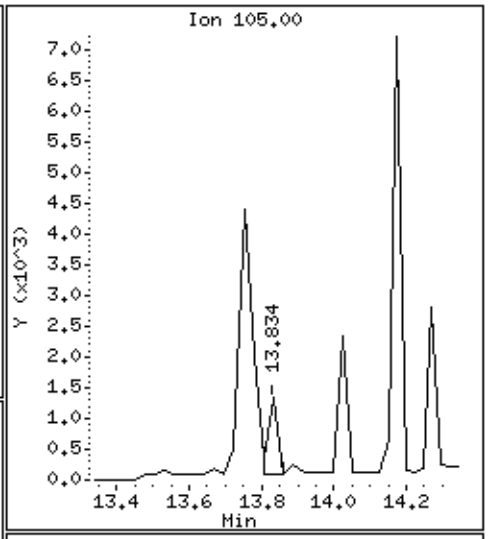
Column phase: DB-5.625

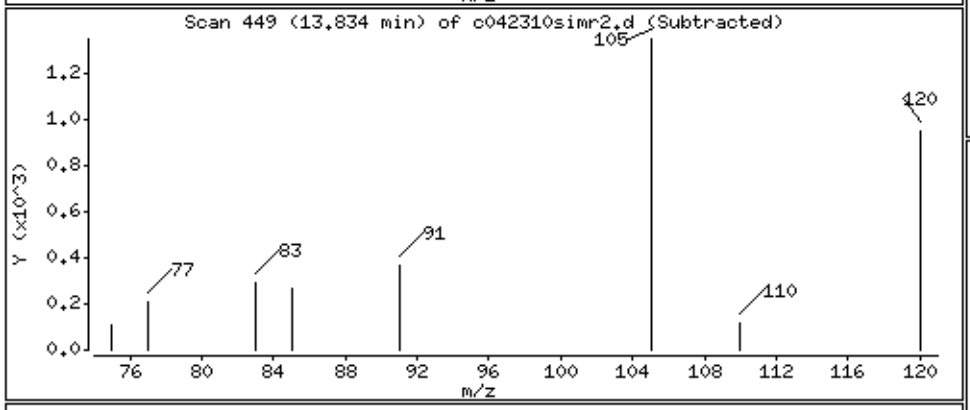
Column diameter: 0.25

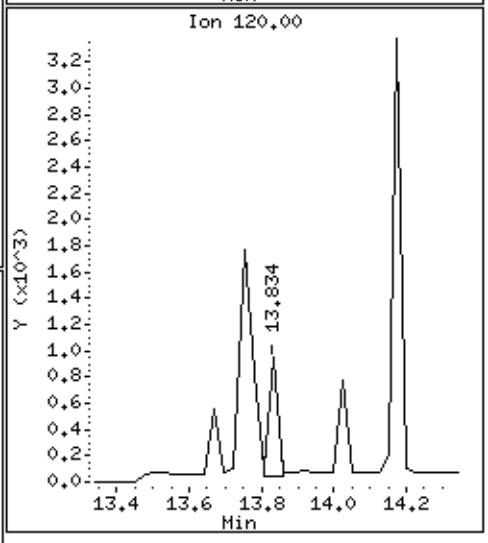
40 1,3,5-Trimethylbenzene

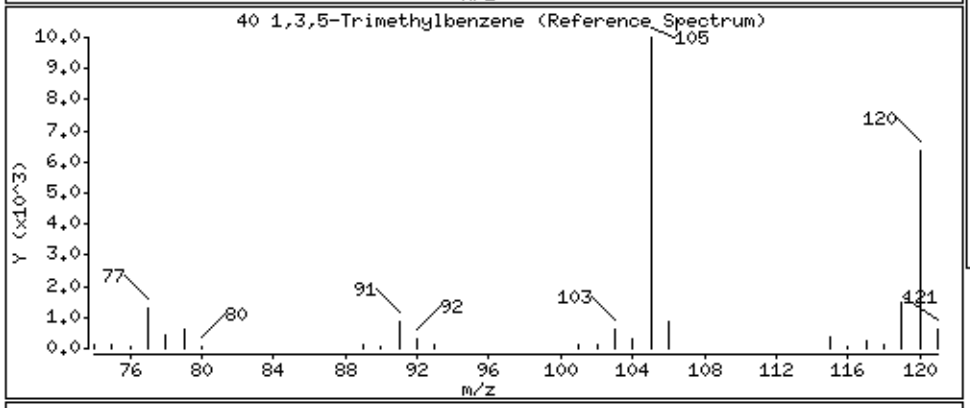
Concentration: 0.0758210 ug

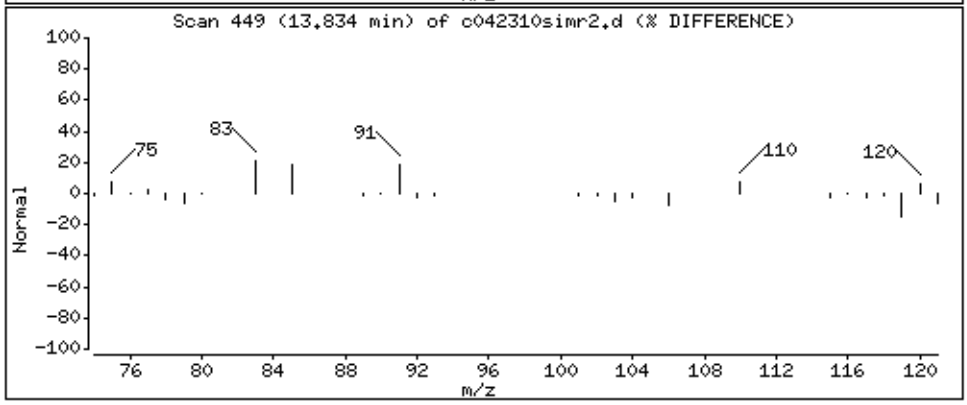












Data File: /chem/msdc.i/23Apr2015.b/c042310simr2.d

Date : 23-APR-2015 13:00

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-02A;

Volume Injected (uL): 1.0

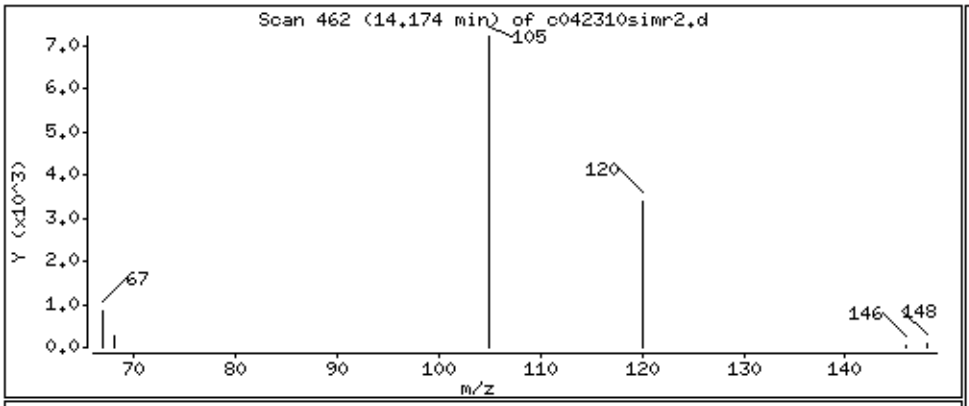
Operator: gm

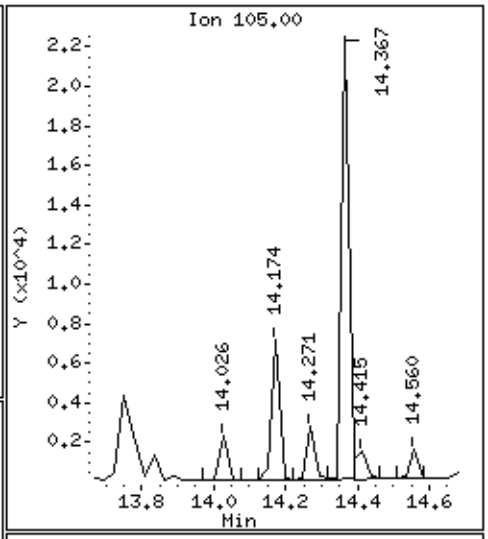
Column phase: DB-5.625

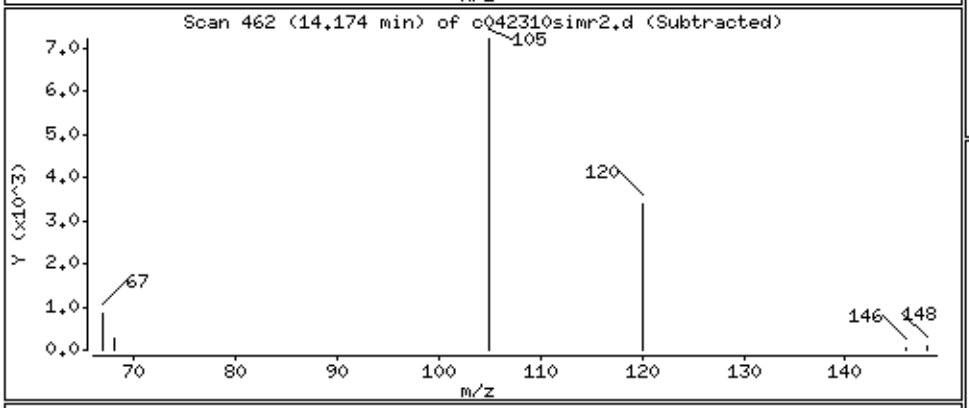
Column diameter: 0.25

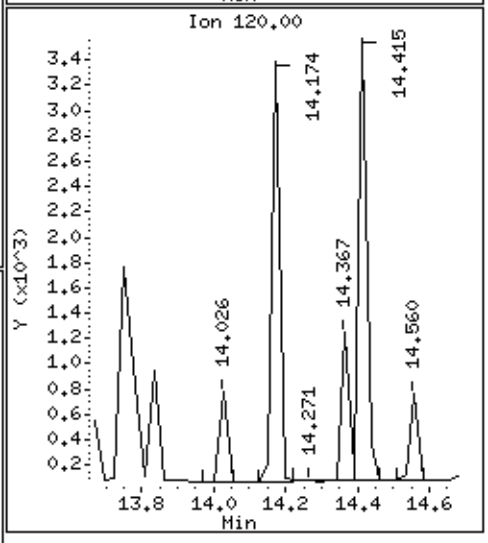
41 1,2,4-Trimethylbenzene

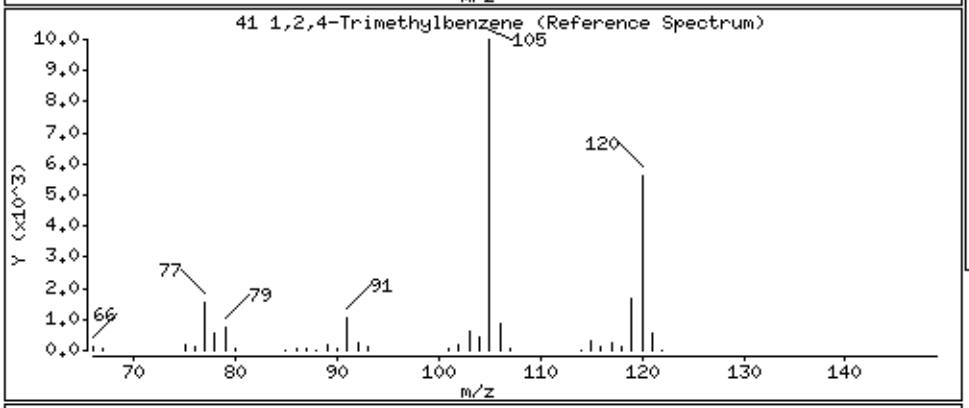
Concentration: 0.265614 ug

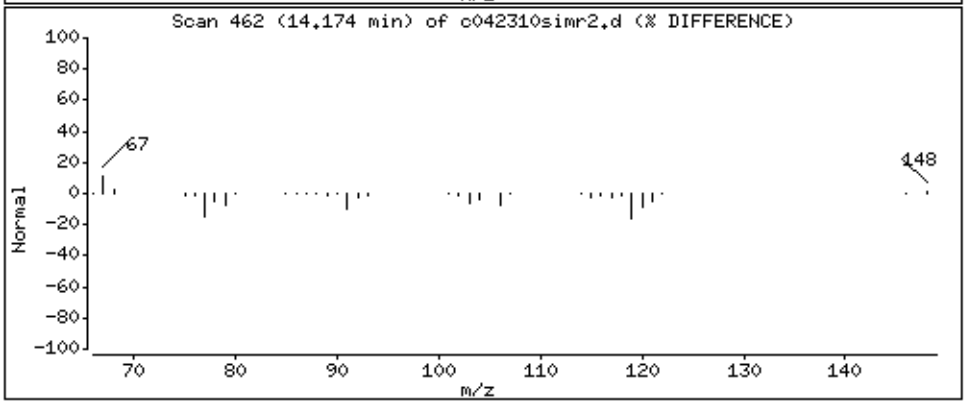












eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 5230-OA01-0415

Lab ID#: 1504309R2-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Benzene	0.40	0.48	0.55	0.66
1,2-Dichloroethane	0.10	0.12	0.048 J	0.059 J
Toluene	0.10	0.13	1.3	1.7
Tetrachloroethene	0.10	0.16	0.053 J	0.086 J
Ethyl Benzene	0.10	0.14	0.20	0.29
m,p-Xylene	0.10	0.14	0.70	0.96
o-Xylene	0.10	0.15	0.22	0.32
1,2,4-Trimethylbenzene	0.10	0.19	0.20	0.39
1,3,5-Trimethylbenzene	0.10	0.18	0.060 CJ	0.11 CJ

eurofins | Air Toxics

Client Sample ID: 5230-OA01-0415

Lab ID#: 1504309R2-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042311simr1**	**Date of Collection: 4/16/15 2:05:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 01:24 PM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	0.55	0.66
1,2-Dichloroethane	0.10	0.12	0.048 J	0.059 J
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Toluene	0.10	0.13	1.3	1.7
Tetrachloroethene	0.10	0.16	0.053 J	0.086 J
Ethyl Benzene	0.10	0.14	0.20	0.29
m,p-Xylene	0.10	0.14	0.70	0.96
o-Xylene	0.10	0.15	0.22	0.32
Naphthalene	0.10	0.38	Not Detected	Not Detected
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	0.20	0.39
1,3,5-Trimethylbenzene	0.10	0.18	0.060 CJ	0.11 CJ
Vinyl Chloride	0.40	0.43	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.8F , duration time = 10055 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	109	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042311simr1.d
Lab Smp Id: 1504309R1-03A
Inj Date : 23-APR-2015 13:24
Operator : gm Inst ID: msdc.i
Smp Info : ;1504309R1-03A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 10-May-2015 12:15 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2	Vinyl Chloride	62	Compound Not Detected.					
4	1,1-Dichloroethene-CCC	96	Compound Not Detected.					
8	trans-1,2-Dichloroethene	96	Compound Not Detected.					
11	1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
14	cis-1,2-Dichloroethene	96	Compound Not Detected.					
17	1,1,1-Trichloroethane	97	Compound Not Detected.					
19	Benzene	78	8.603	8.603	(0.783)	14813	0.27532	0.550649
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	589	0.02382	0.0476493(a)
22	Trichloroethene	130	Compound Not Detected.					
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	278260	5.45691	10.9138
26	Toluene-CCC	92	10.728	10.728	(0.976)	29034	0.65917	1.31833
* 27	2-Fluorotoluene	109	10.993	10.993	(1.000)	309792	5.00000	
28	1,1,2-Trichloroethane	97	Compound Not Detected.					
29	Tetrachloroethene	164	11.331	11.331	(1.031)	535	0.02640	0.0528045(a)
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	2910	0.10274	0.205488
33	m,p-Xylene	106	12.506	12.506	(1.138)	13880	0.35021	0.700429

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	12.956	12.956	(1.178)	3409	0.10823	0.216461
40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	2127	0.02992	0.0598304(aM)
41 1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	9027	0.10067	0.201338
48 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 10-May-2015 12:23

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042311simr1.d
Lab Smp Id: 1504309R1-03A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	309792	-4.55

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 10-May-2015 12:23

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504309R1-03A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	10.9138	109.14	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

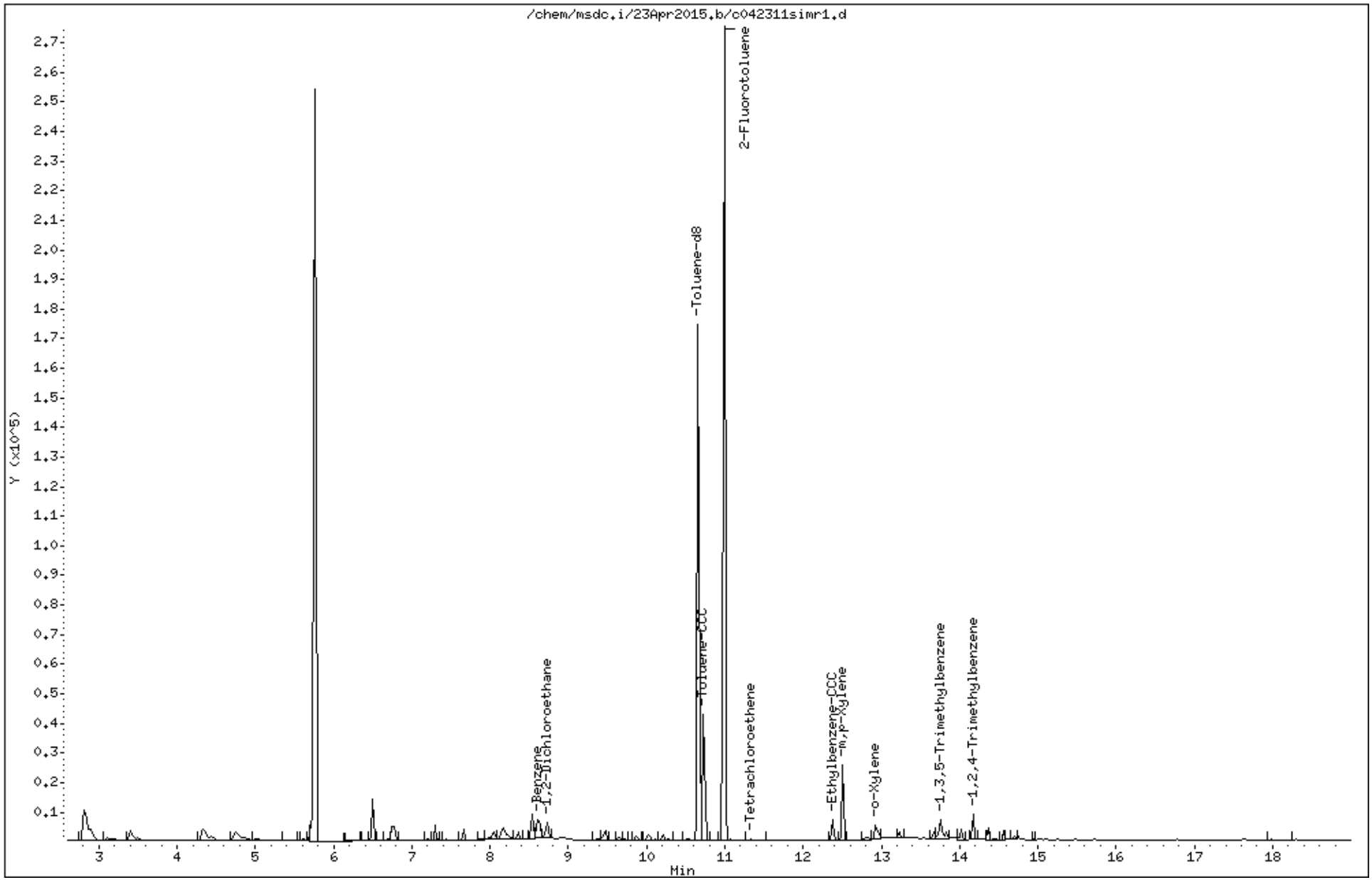
Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

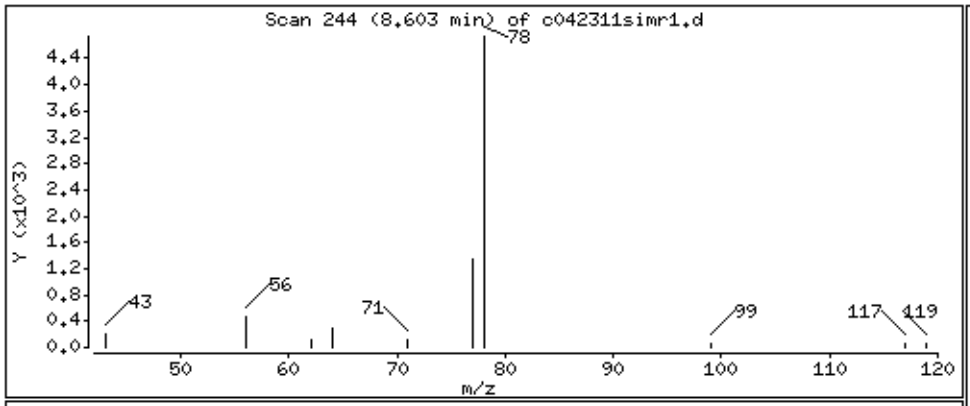
Operator: gm

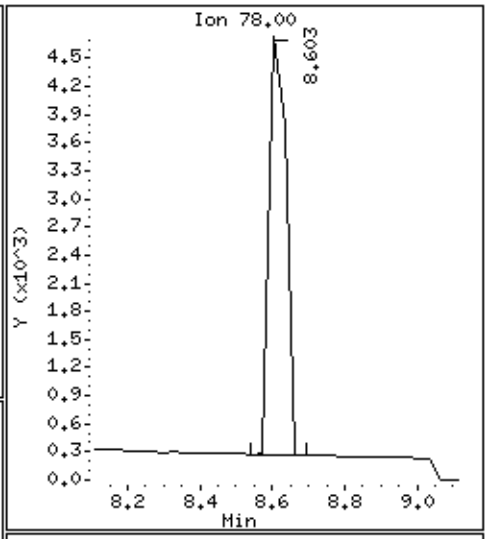
Column phase: DB-5.625

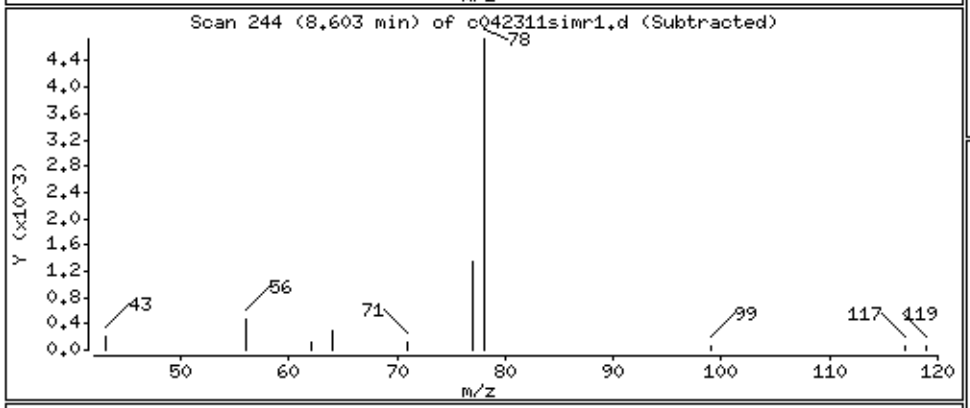
Column diameter: 0.25

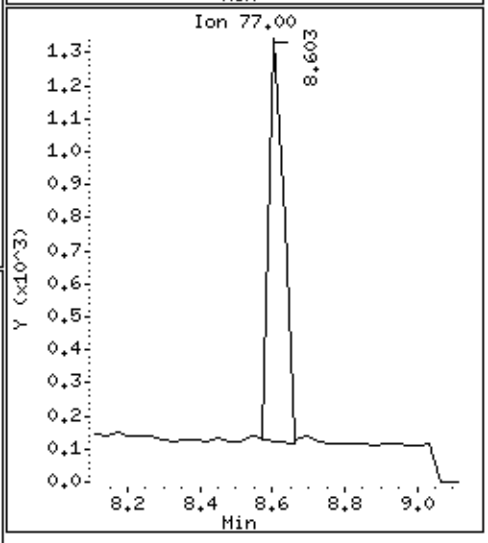
19 Benzene

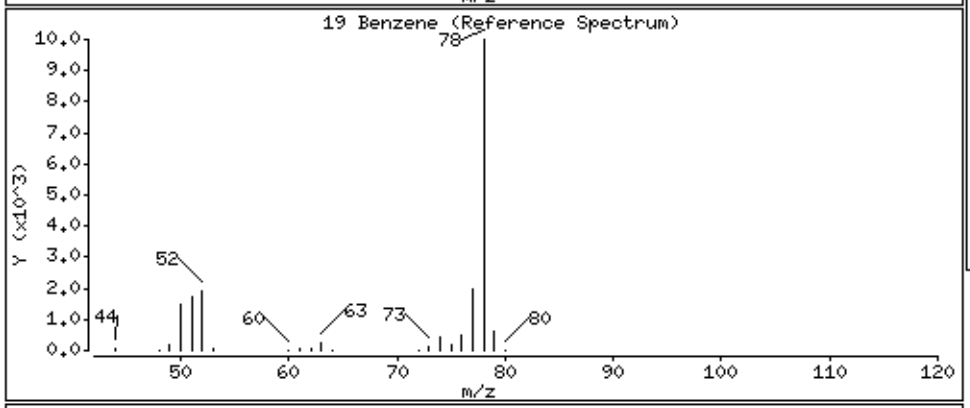
Concentration: 0.550649 ug

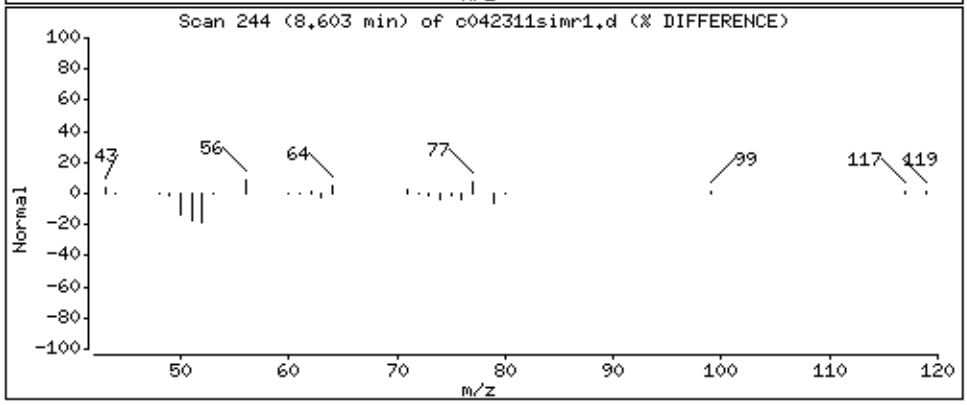












Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

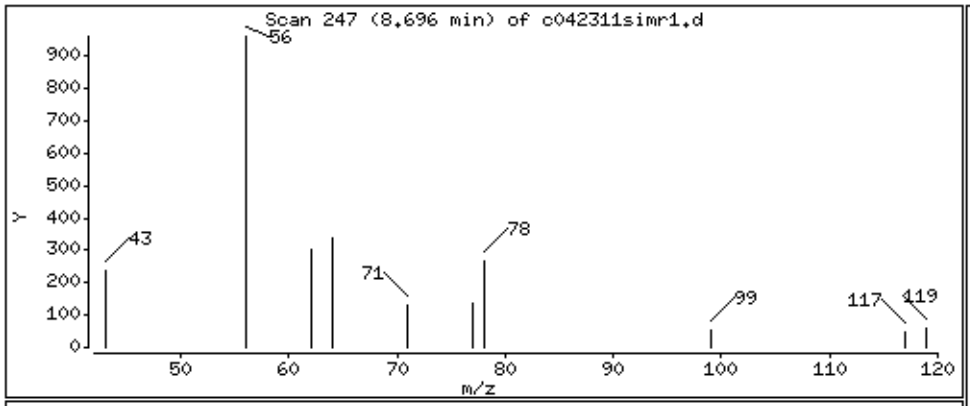
Operator: gm

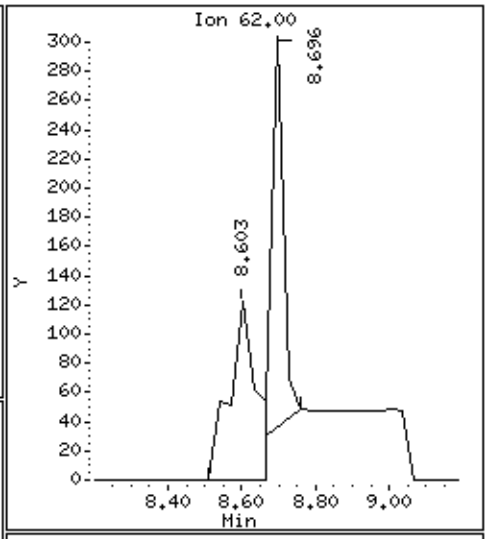
Column phase: DB-5.625

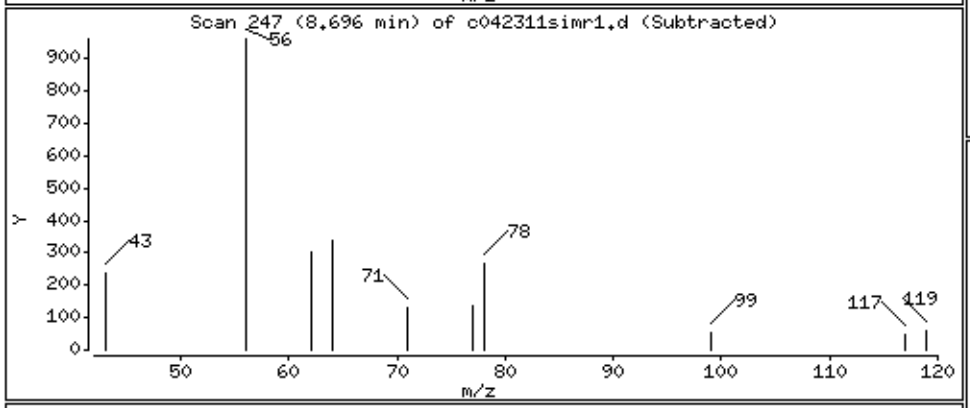
Column diameter: 0.25

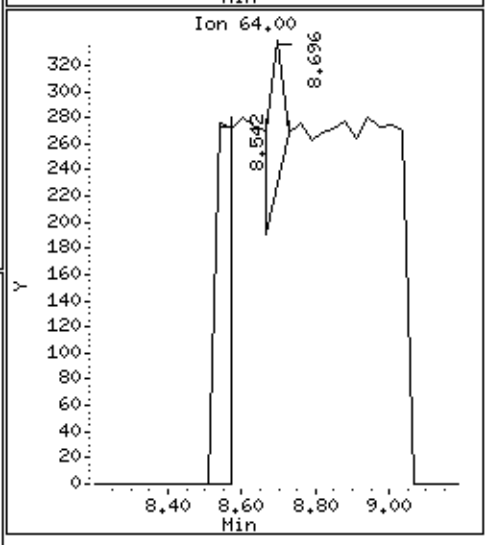
20 1,2-Dichloroethane

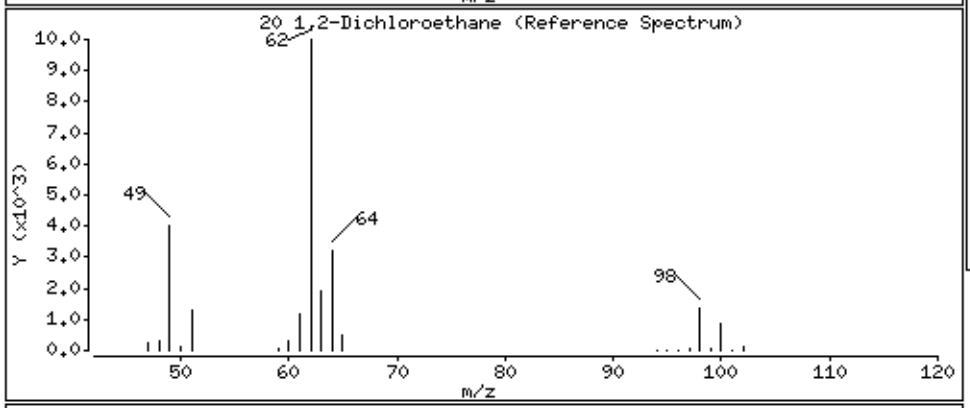
Concentration: 0.0476493 ug

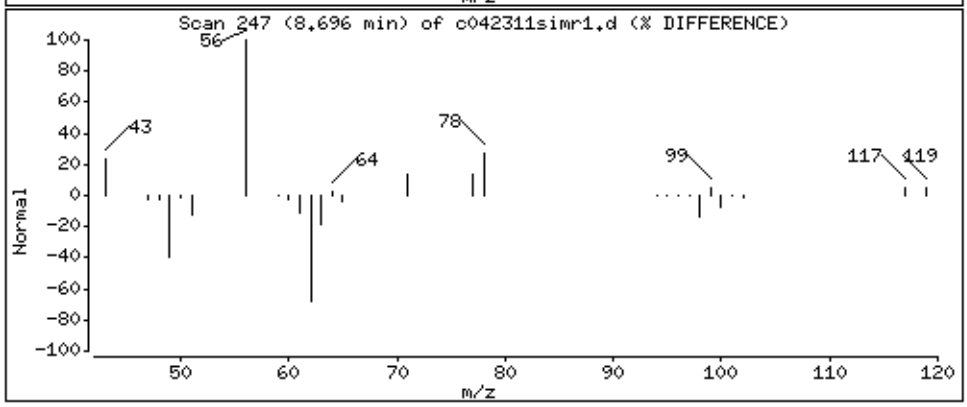












Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

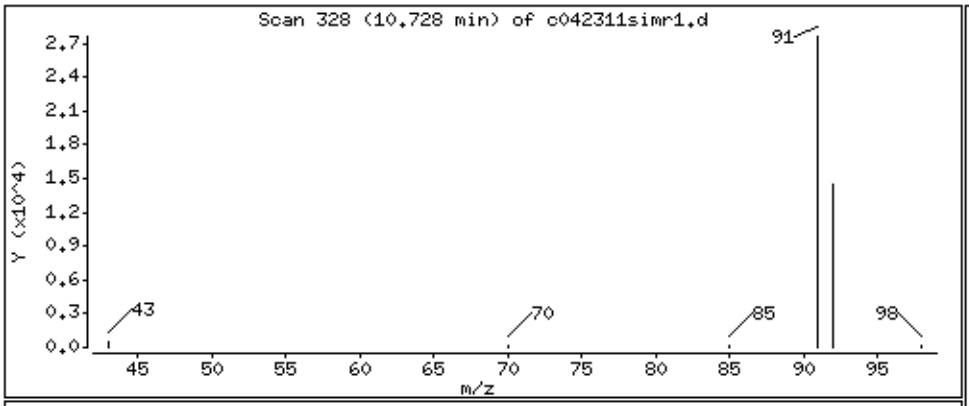
Operator: gm

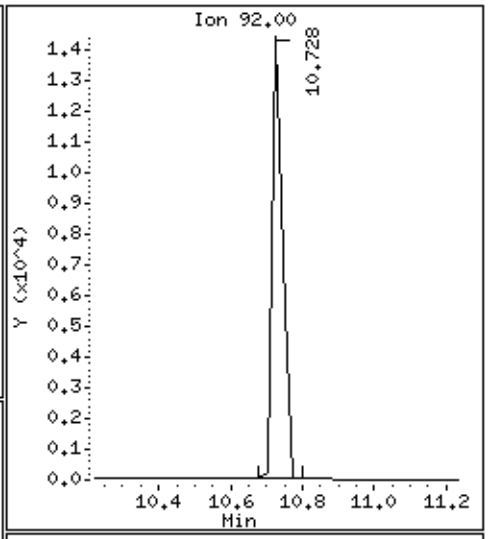
Column phase: DB-5.625

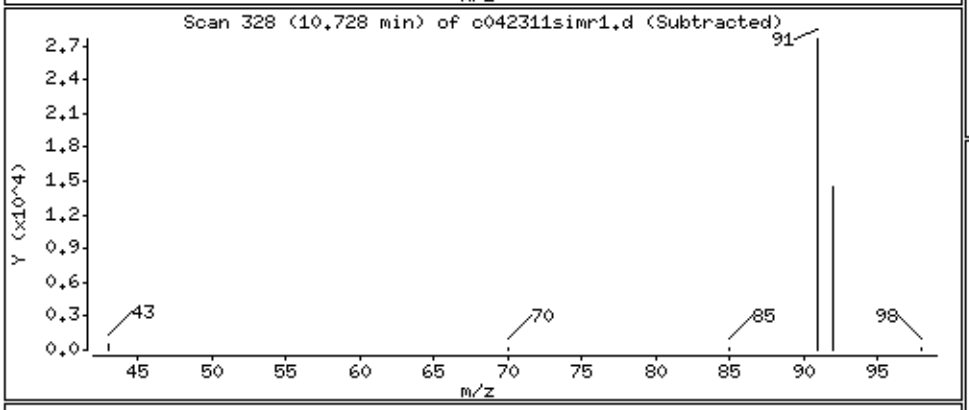
Column diameter: 0.25

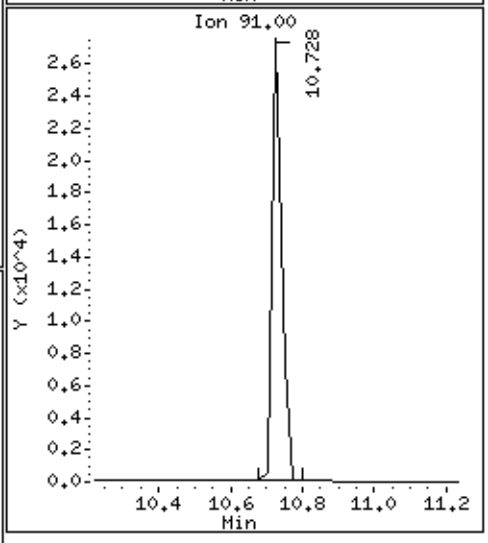
26 Toluene-CCC

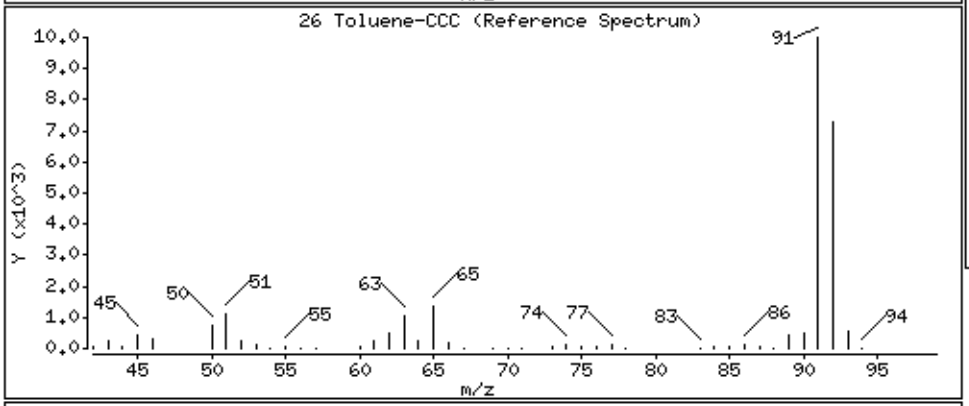
Concentration: 1.31833 ug

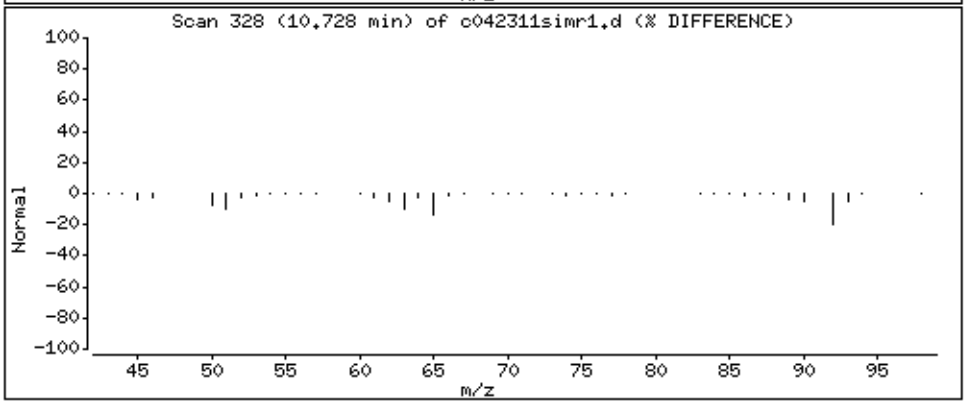












Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

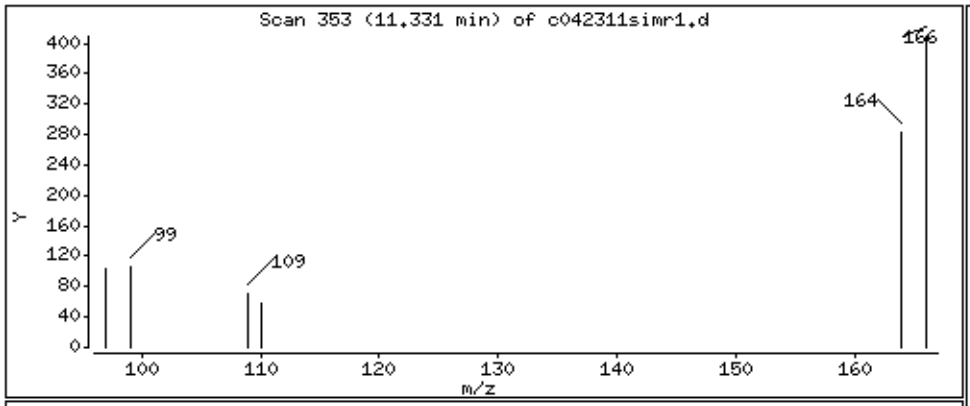
Operator: gm

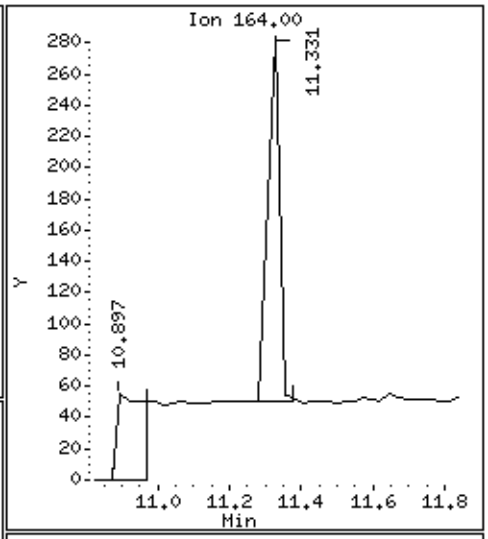
Column phase: DB-5.625

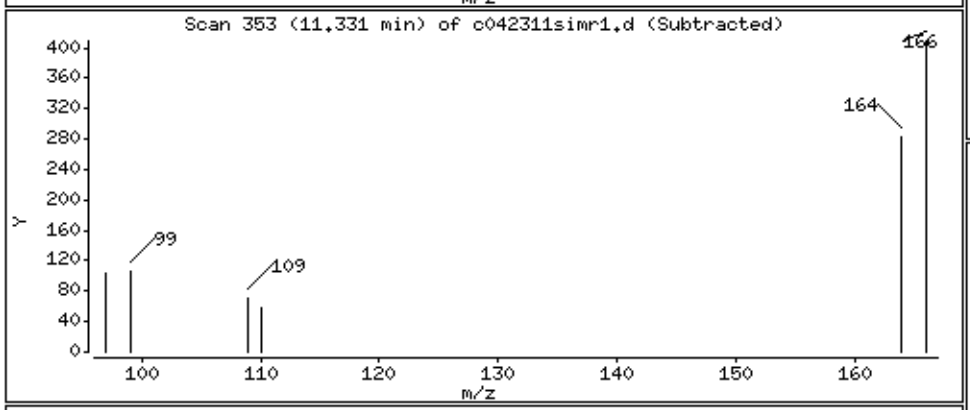
Column diameter: 0.25

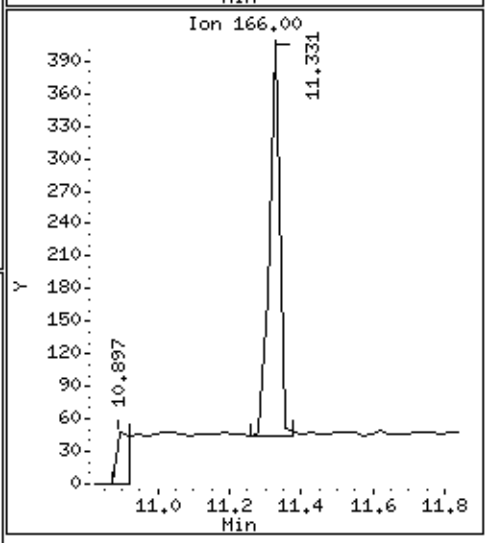
29 Tetrachloroethene

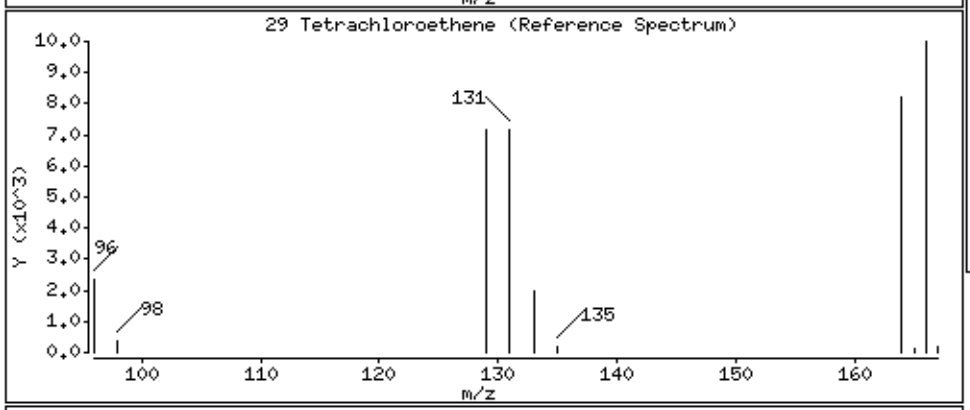
Concentration: 0.0528045 ug

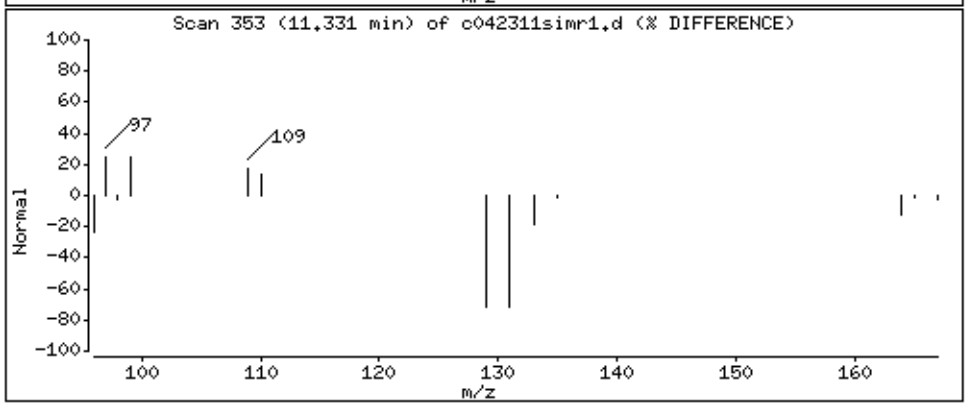












Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

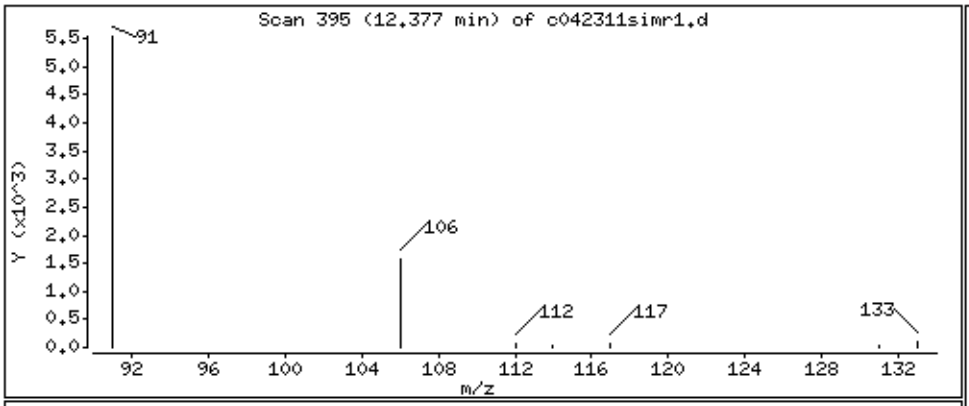
Operator: gm

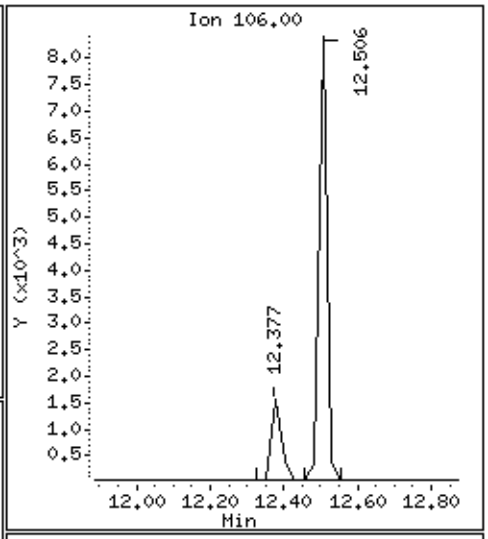
Column phase: DB-5.625

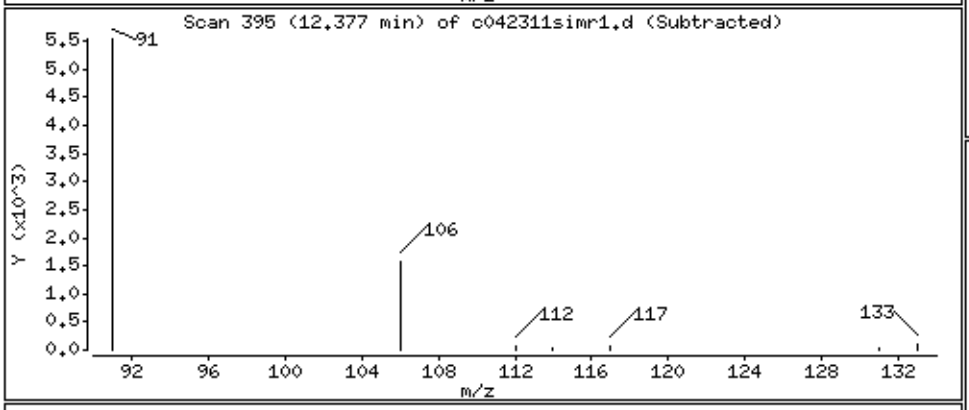
Column diameter: 0.25

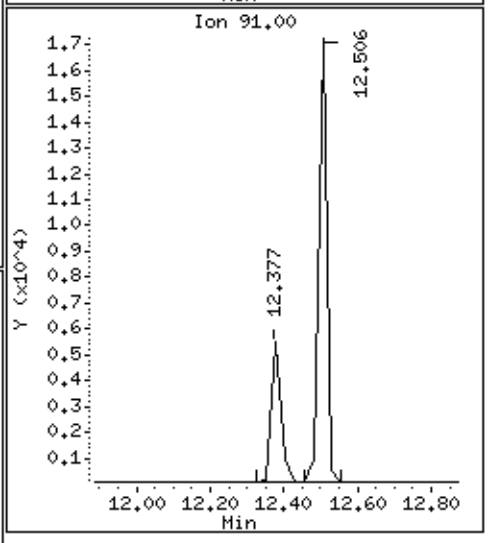
31 Ethylbenzene-CCC

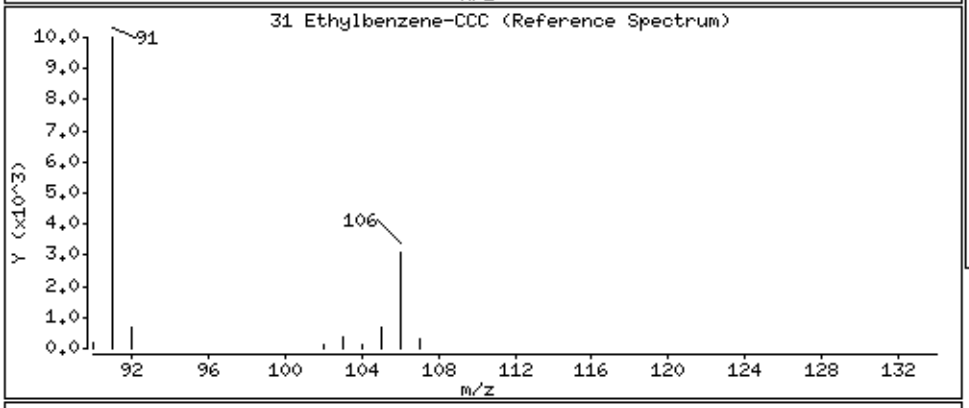
Concentration: 0.205488 ug

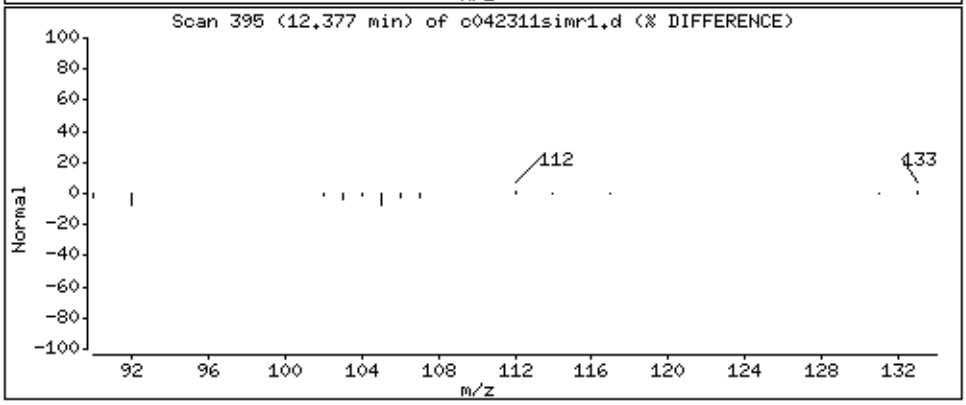












Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

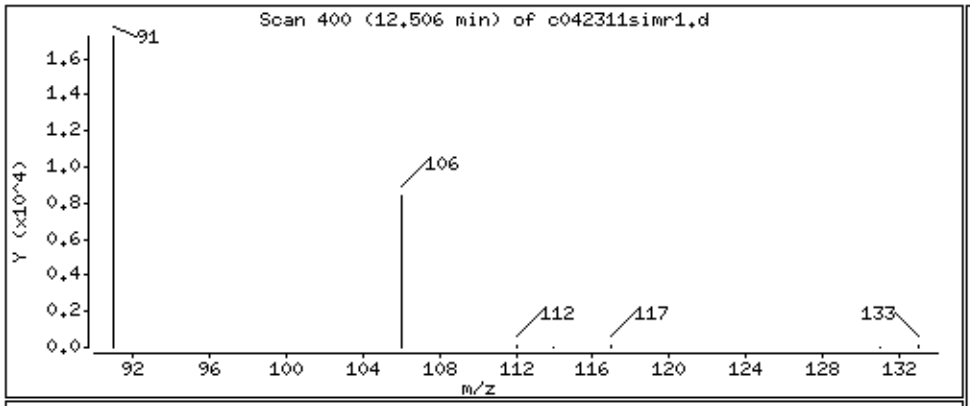
Operator: gm

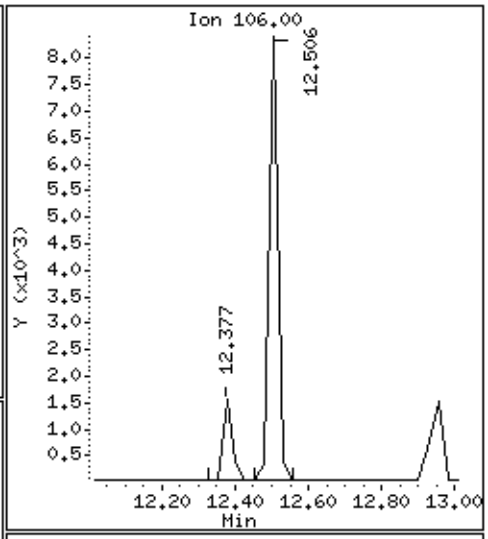
Column phase: DB-5.625

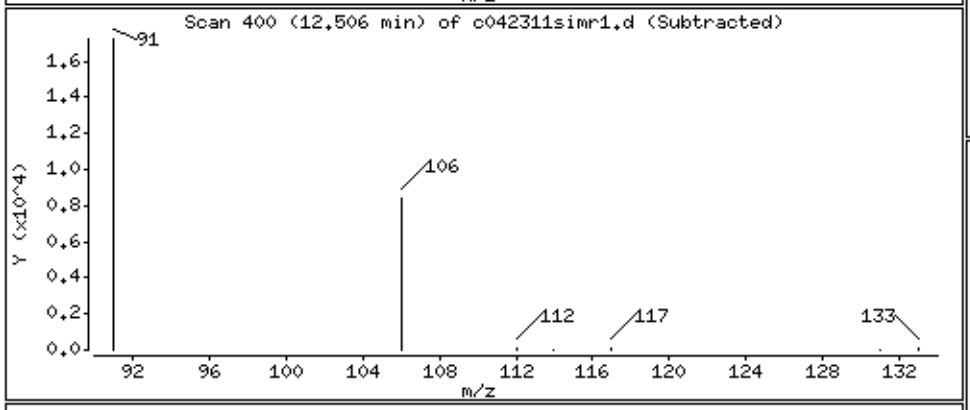
Column diameter: 0.25

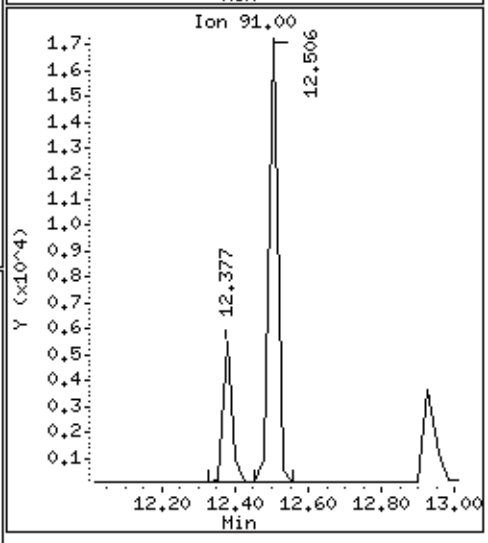
33 m,p-Xylene

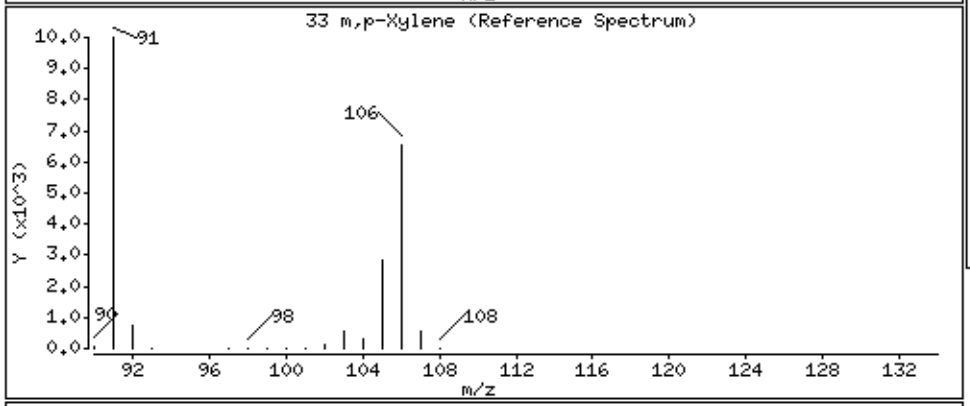
Concentration: 0.700429 ug

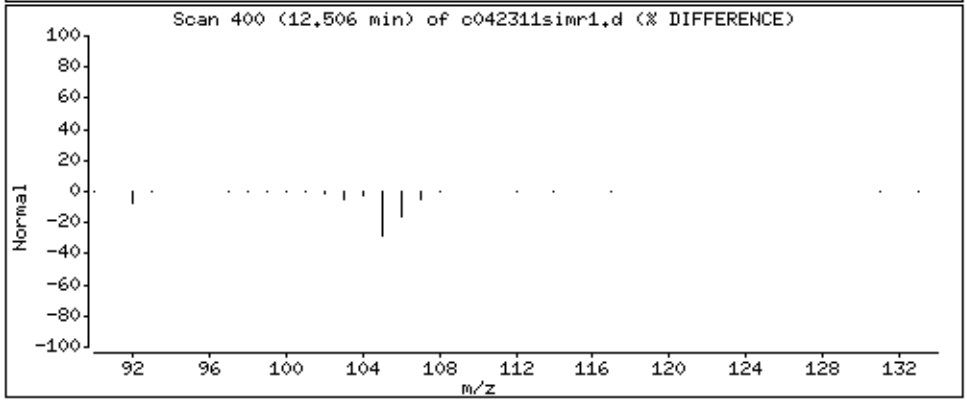












Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

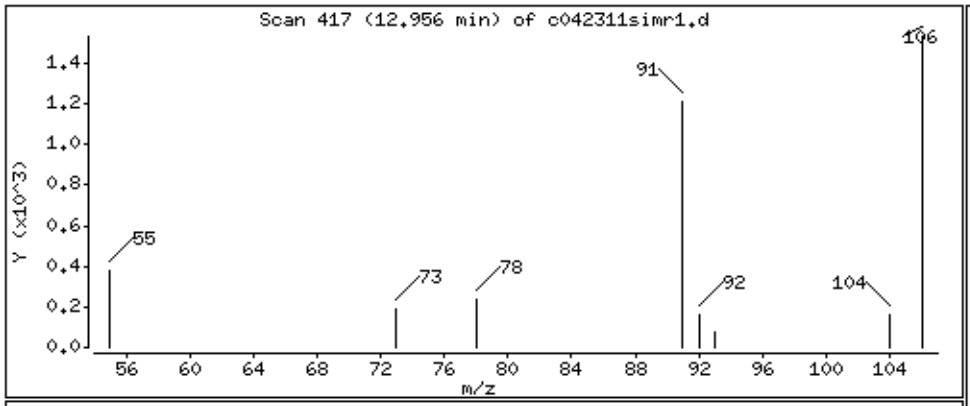
Operator: gm

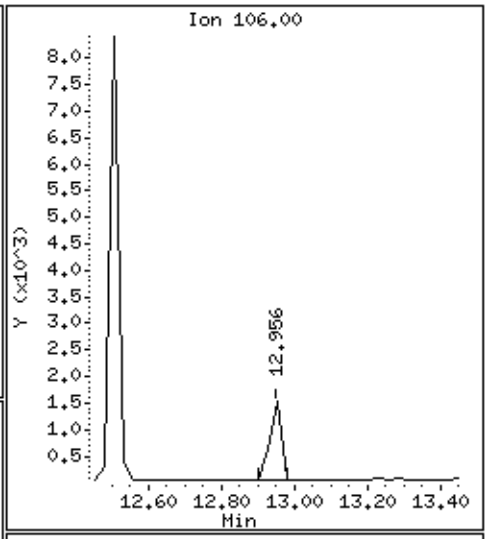
Column phase: DB-5.625

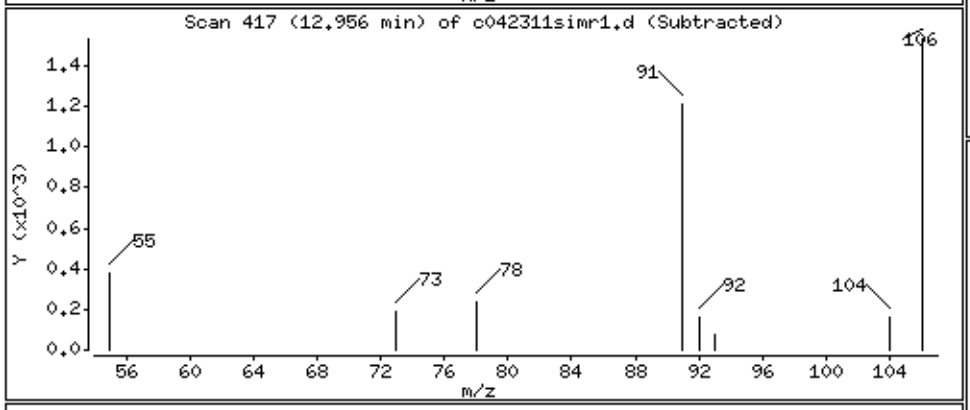
Column diameter: 0.25

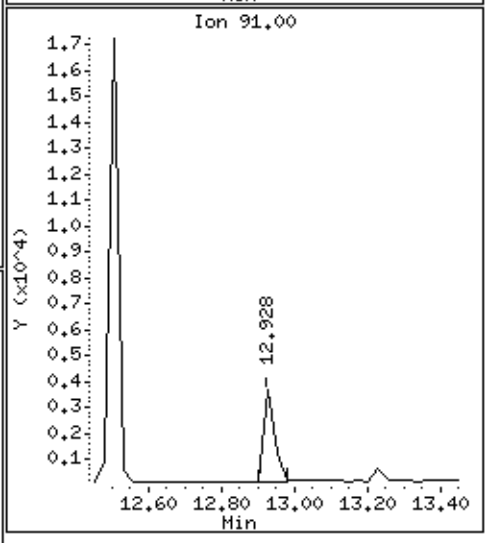
34 o-Xylene

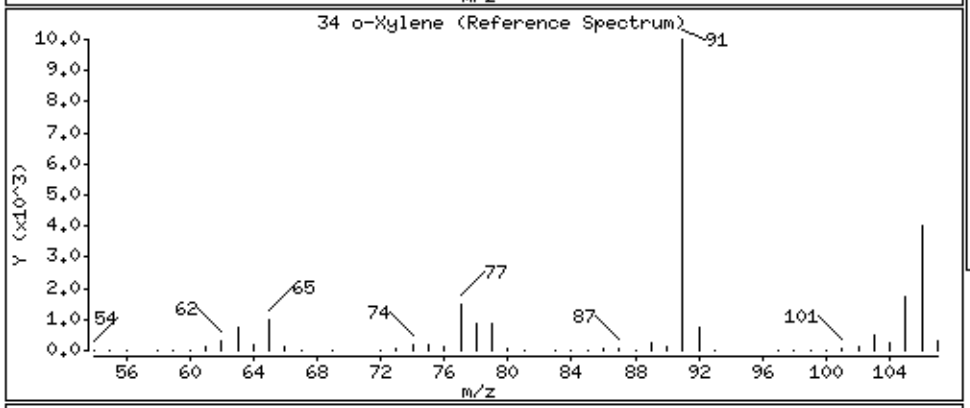
Concentration: 0.216461 ug

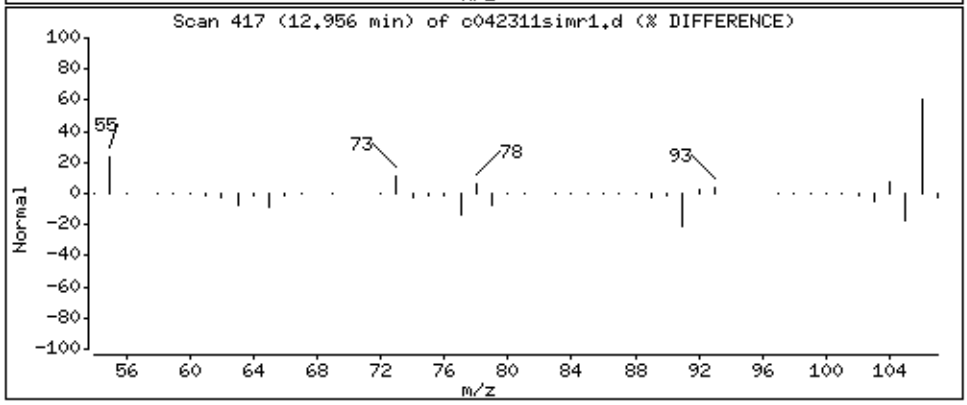












Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

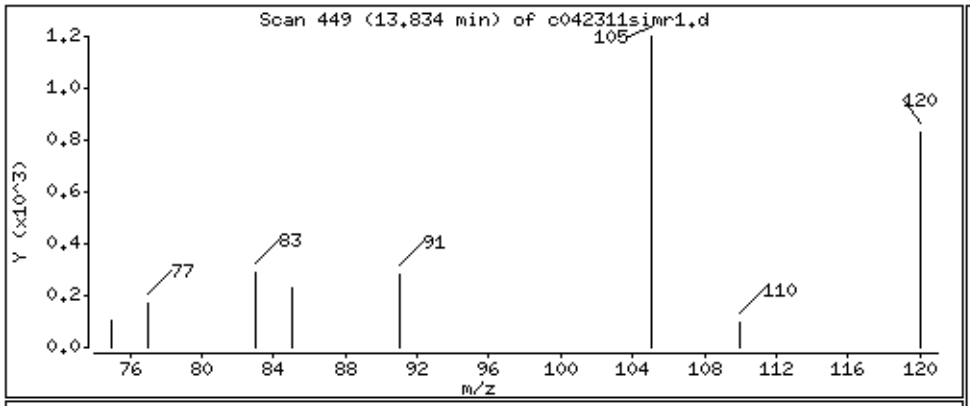
Operator: gm

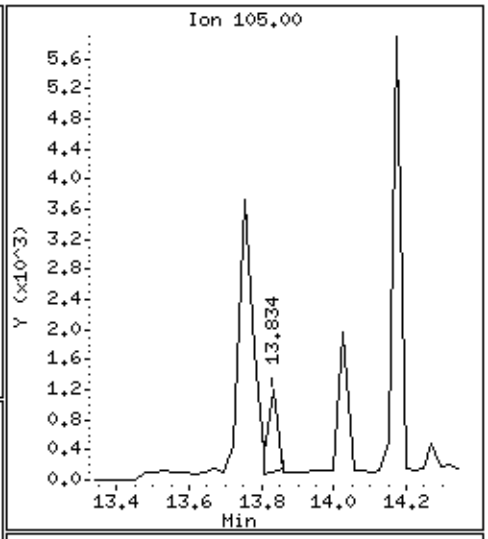
Column phase: DB-5.625

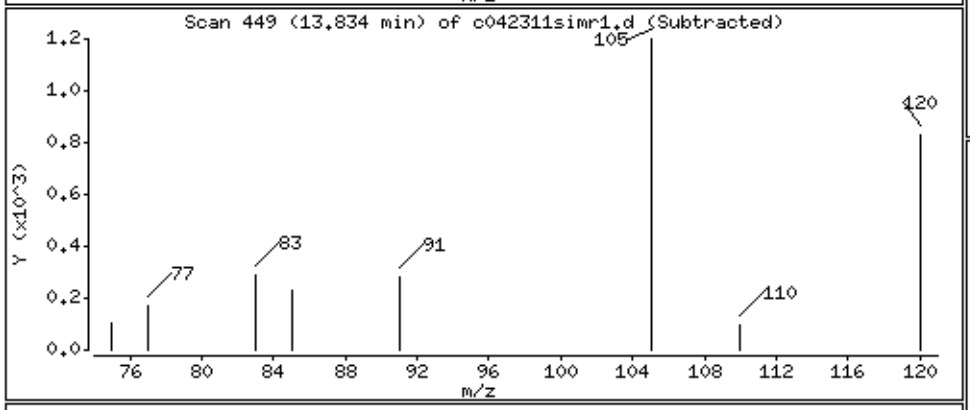
Column diameter: 0.25

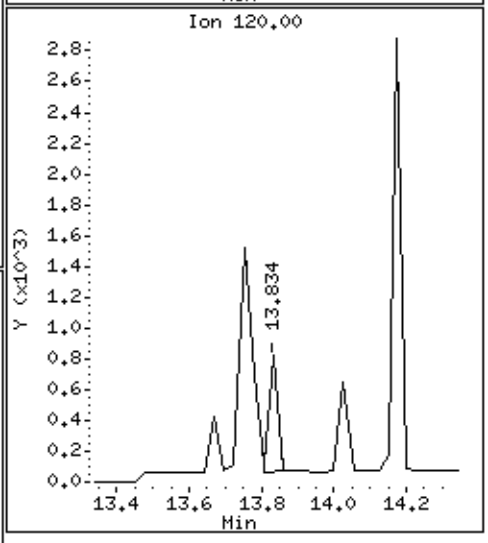
40 1,3,5-Trimethylbenzene

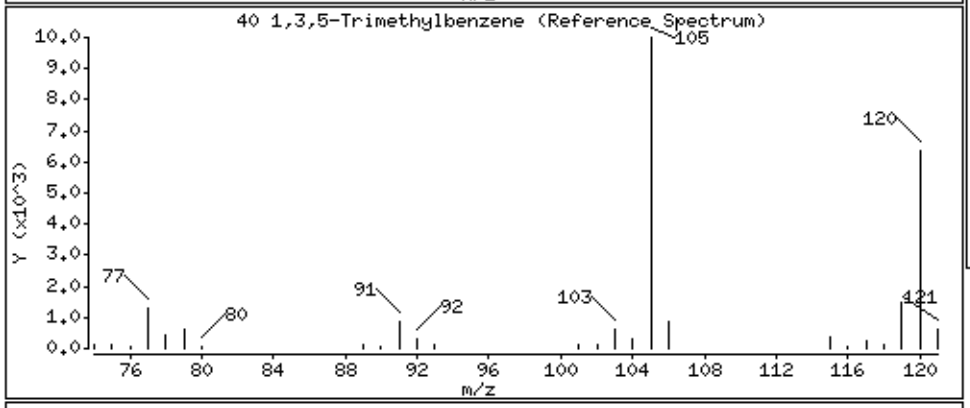
Concentration: 0.0598304 ug

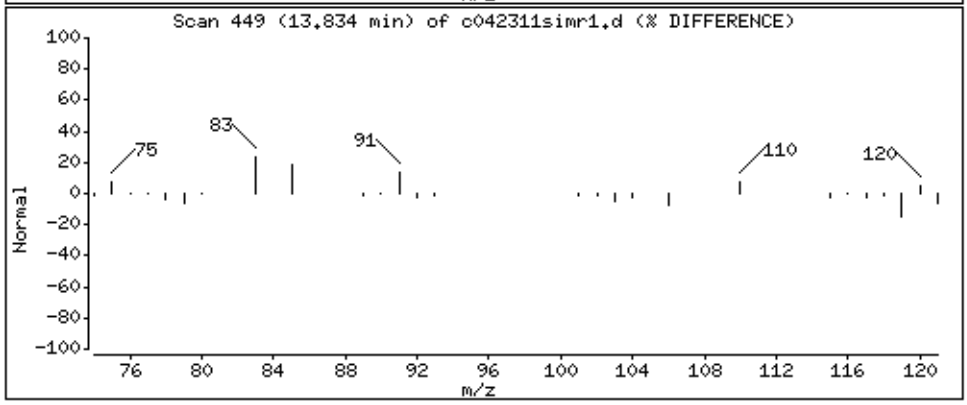












Data File: /chem/msdc.i/23Apr2015.b/c042311simr1.d

Date : 23-APR-2015 13:24

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-03A;

Volume Injected (uL): 1.0

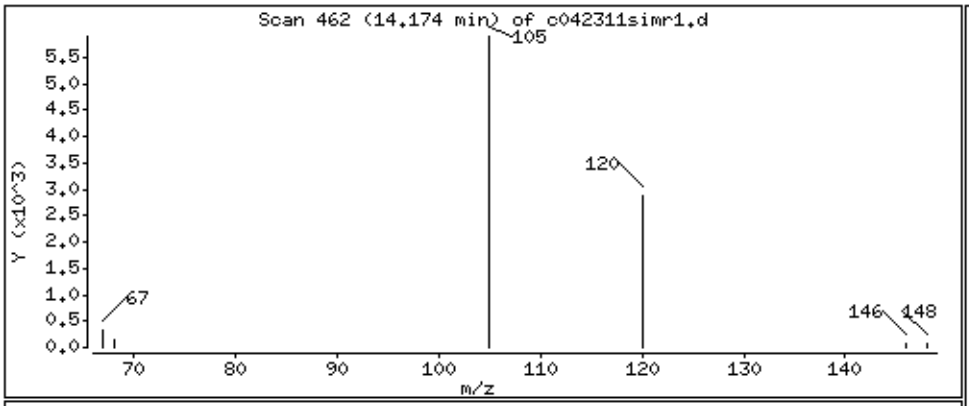
Operator: gm

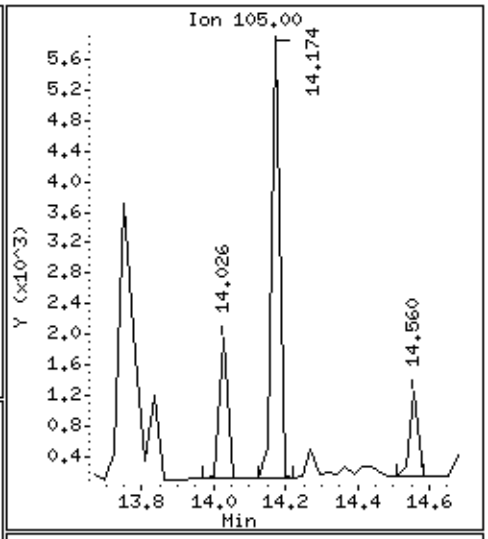
Column phase: DB-5.625

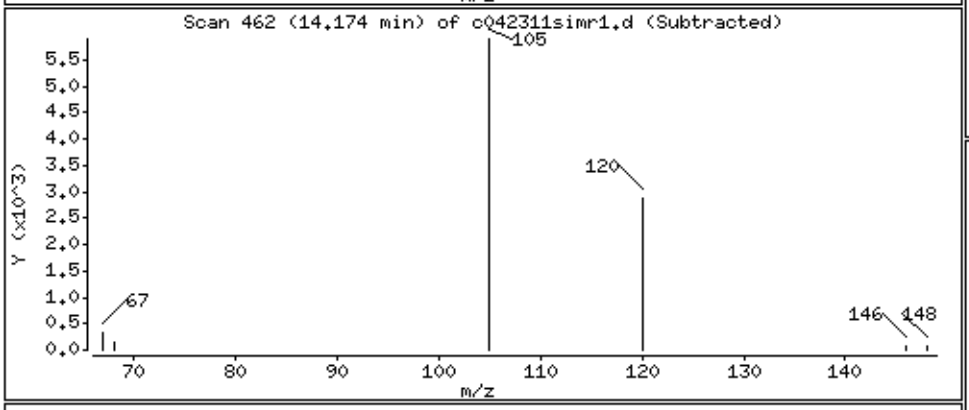
Column diameter: 0.25

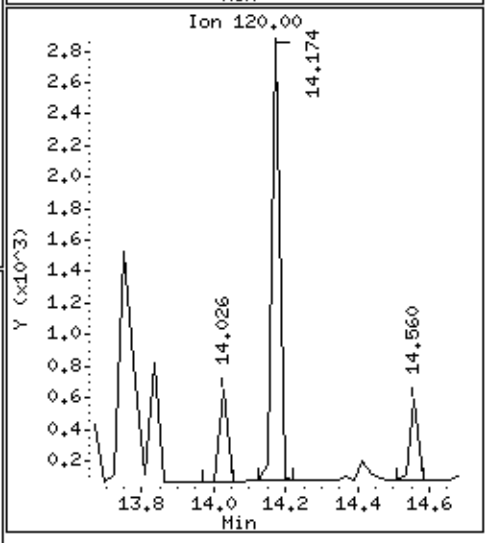
41 1,2,4-Trimethylbenzene

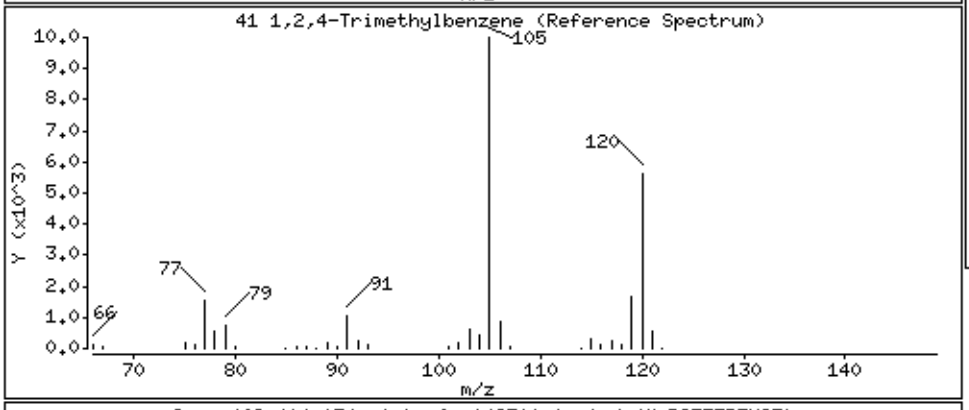
Concentration: 0.201338 ug

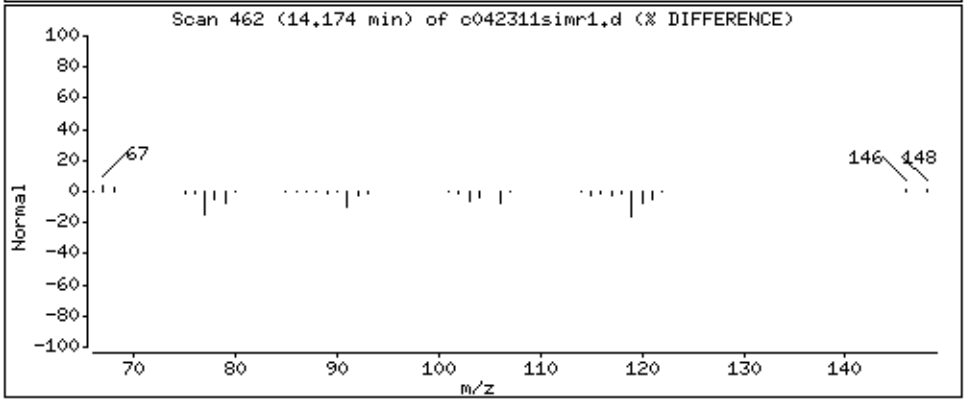












eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 5230-FB01-0415

Lab ID#: 1504309R2-04A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Benzene	0.40	0.48	0.63	0.75
1,2-Dichloroethane	0.10	0.12	0.043 J	0.053 J
Toluene	0.10	0.13	1.4	1.8
Tetrachloroethene	0.10	0.16	0.053 J	0.086 J
Ethyl Benzene	0.10	0.14	0.21	0.30
m,p-Xylene	0.10	0.14	0.72	1.0
o-Xylene	0.10	0.15	0.22	0.33
1,2,4-Trimethylbenzene	0.10	0.19	0.21	0.41
1,3,5-Trimethylbenzene	0.10	0.18	0.063 J	0.11 J

eurofins | Air Toxics

Client Sample ID: 5230-FB01-0415

Lab ID#: 1504309R2-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042312simr2**	**Date of Collection: 4/16/15 2:10:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 01:49 PM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	0.63	0.75
1,2-Dichloroethane	0.10	0.12	0.043 J	0.053 J
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Toluene	0.10	0.13	1.4	1.8
Tetrachloroethene	0.10	0.16	0.053 J	0.086 J
Ethyl Benzene	0.10	0.14	0.21	0.30
m,p-Xylene	0.10	0.14	0.72	1.0
o-Xylene	0.10	0.15	0.22	0.33
Naphthalene	0.10	0.38	Not Detected	Not Detected
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	0.21	0.41
1,3,5-Trimethylbenzene	0.10	0.18	0.063 CJ	0.11 CJ
Vinyl Chloride	0.40	0.43	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.6F , duration time = 10055 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	113	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042312simr2.d
Lab Smp Id: 1504309R2-04A
Inj Date : 23-APR-2015 13:49
Operator : gm Inst ID: msdc.i
Smp Info : ;1504309R2-04A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 26-Jun-2015 14:36 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
	2 Vinyl Chloride	62	Compound Not Detected.					
	4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
	8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
	14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	17 1,1,1-Trichloroethane	97	Compound Not Detected.					
	19 Benzene	78	8.603	8.603	(0.783)	14737	0.31327	0.626540
	20 1,2-Dichloroethane	62	8.696	8.696	(0.791)	460	0.02130	0.0426033(aM)
	22 Trichloroethene	130	Compound Not Detected.					
$	25 Toluene-d8	98	10.656	10.656	(0.969)	251694	5.64516	11.2903
	26 Toluene-CCC	92	10.729	10.728	(0.976)	26750	0.69458	1.38915
*	27 2-Fluorotoluene	109	10.994	10.993	(1.000)	270871	5.00000	
	28 1,1,2-Trichloroethane	97	Compound Not Detected.					
	29 Tetrachloroethene	164	11.331	11.331	(1.031)	468	0.02641	0.0528288(a)
	31 Ethylbenzene-CCC	106	12.377	12.377	(1.126)	2613	0.10551	0.211029
	33 m,p-Xylene	106	12.506	12.506	(1.138)	12573	0.36282	0.725640

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	12.956	12.956	(1.178)	3045	0.11057	0.221130
40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	1947	0.03132	0.0626336(aM)
41 1,2,4-Trimethylbenzene	105	14.175	14.174	(1.289)	8359	0.10661	0.213228
48 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 13-Jul-2015 13:49

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042312simr2.d
Lab Smp Id: 1504309R2-04A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	270871	-16.54

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 13-Jul-2015 13:49

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504309R2-04A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	11.2903	112.90	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

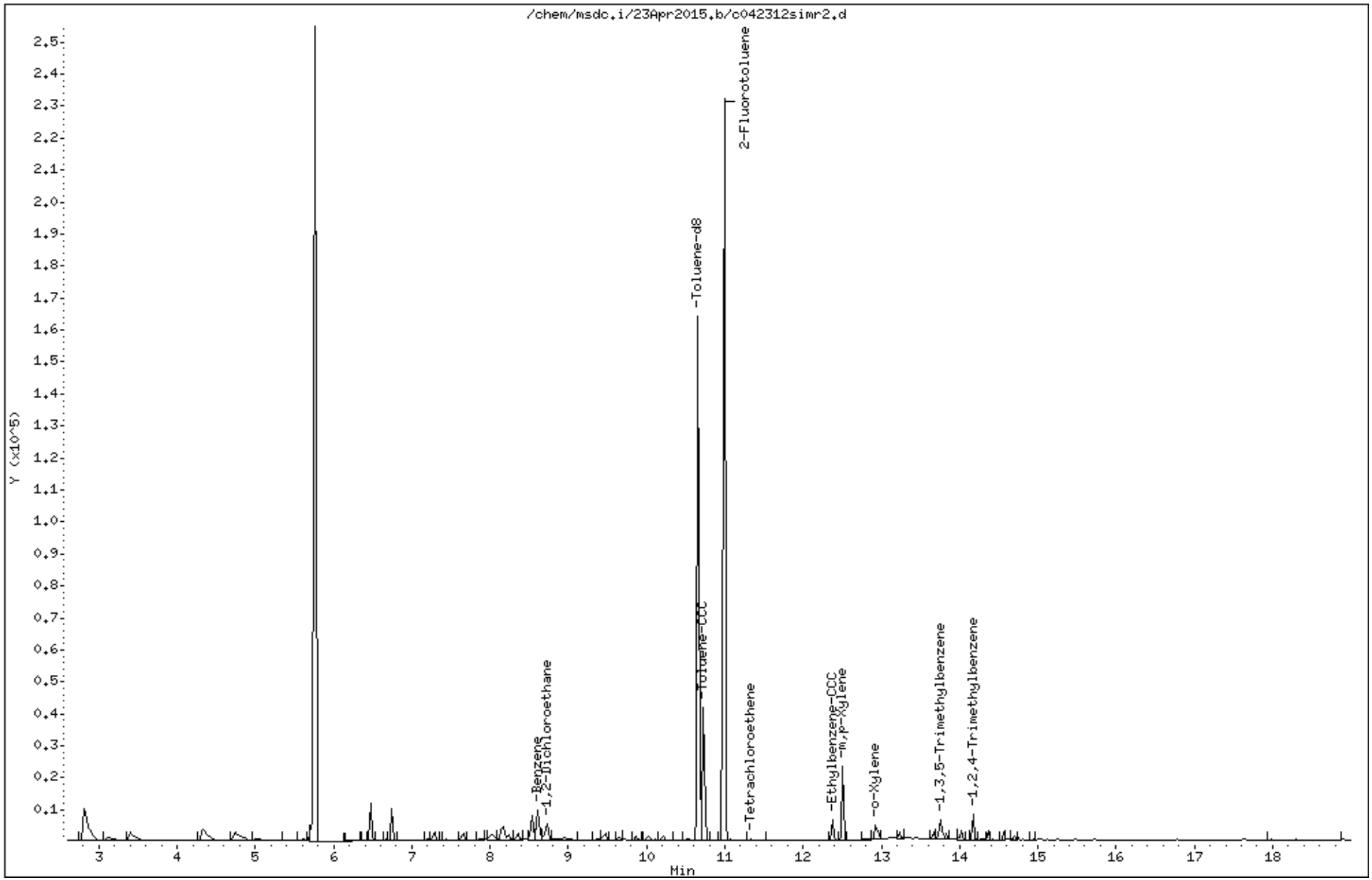
Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

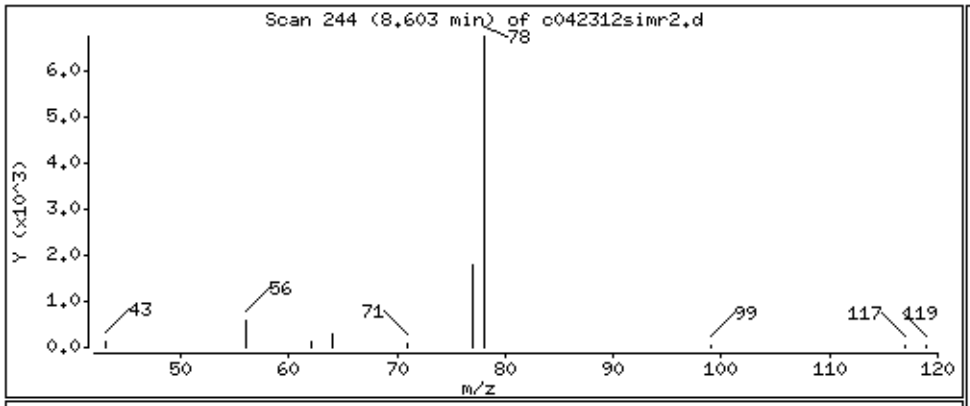
Operator: gm

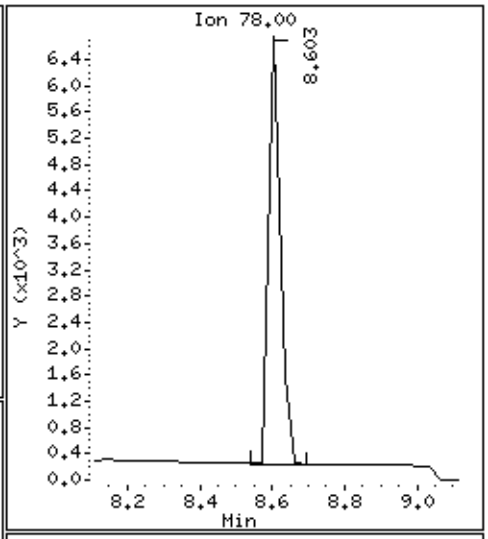
Column phase: DB-5.625

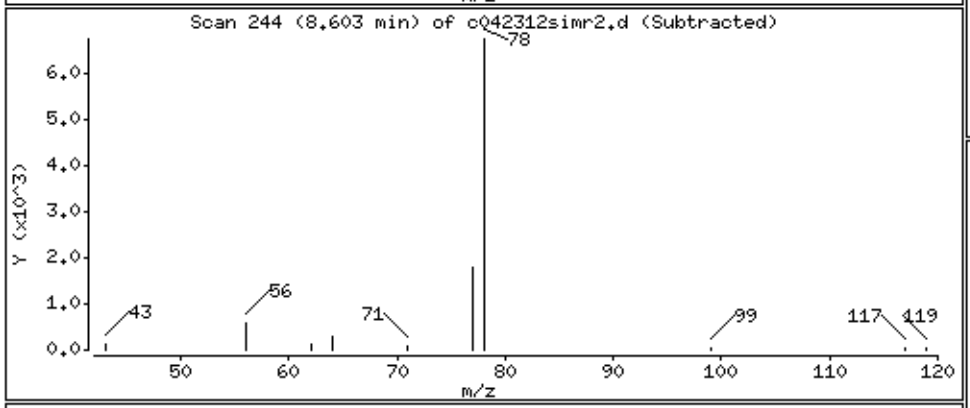
Column diameter: 0.25

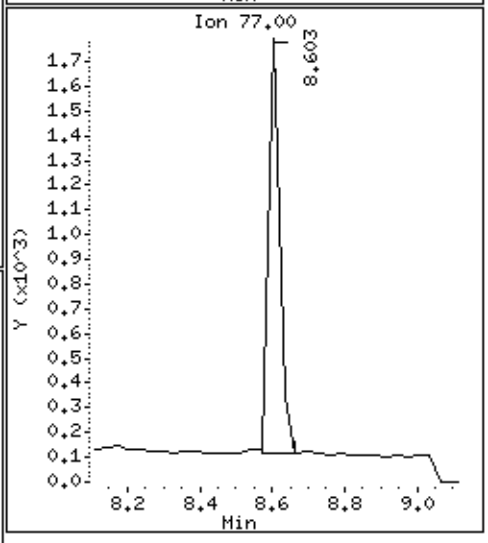
19 Benzene

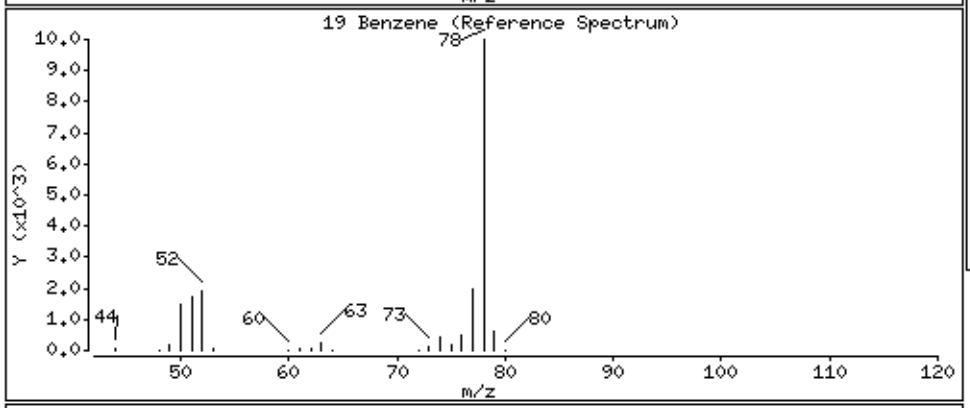
Concentration: 0.626540 ug

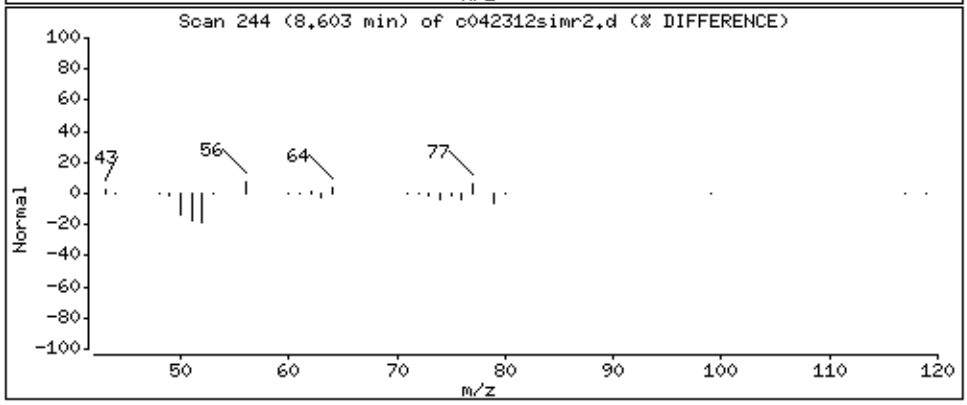












Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

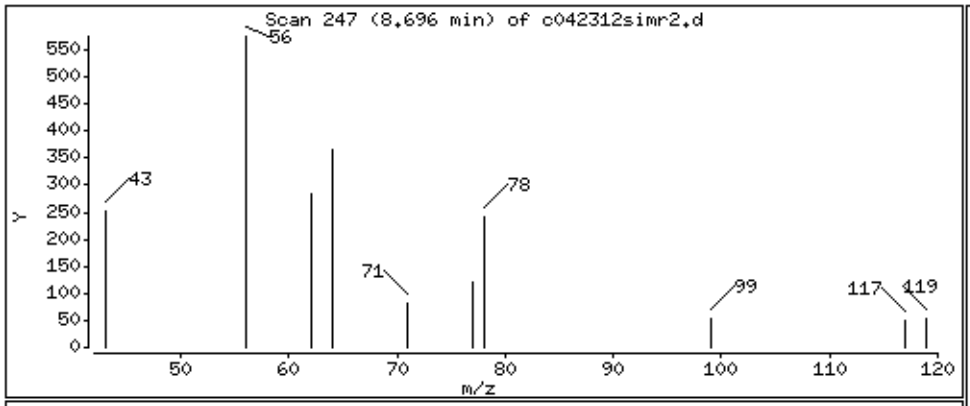
Operator: gm

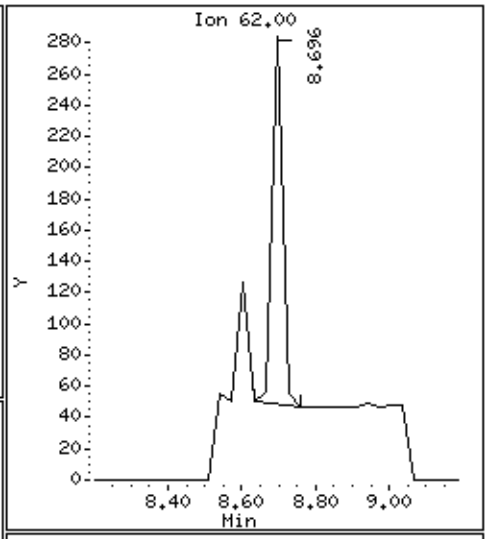
Column phase: DB-5.625

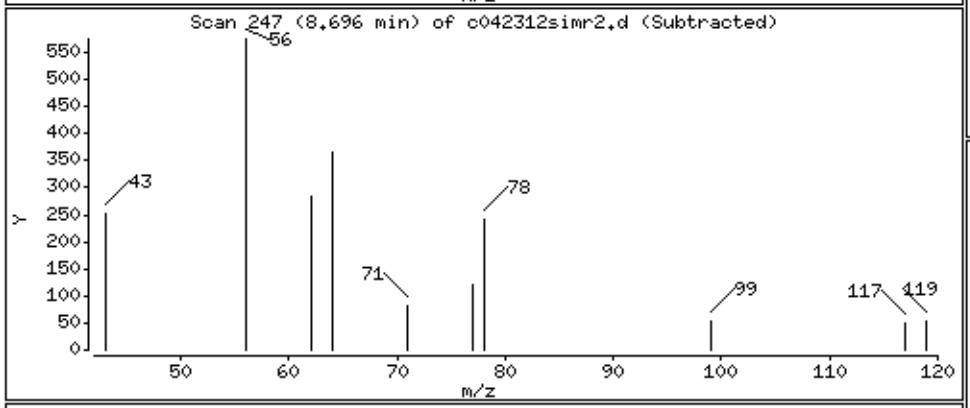
Column diameter: 0.25

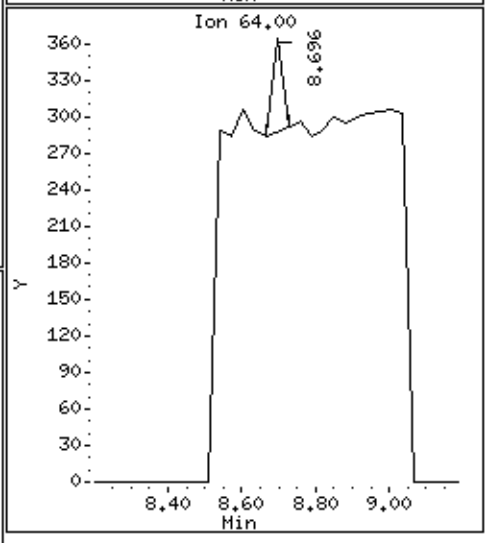
20 1,2-Dichloroethane

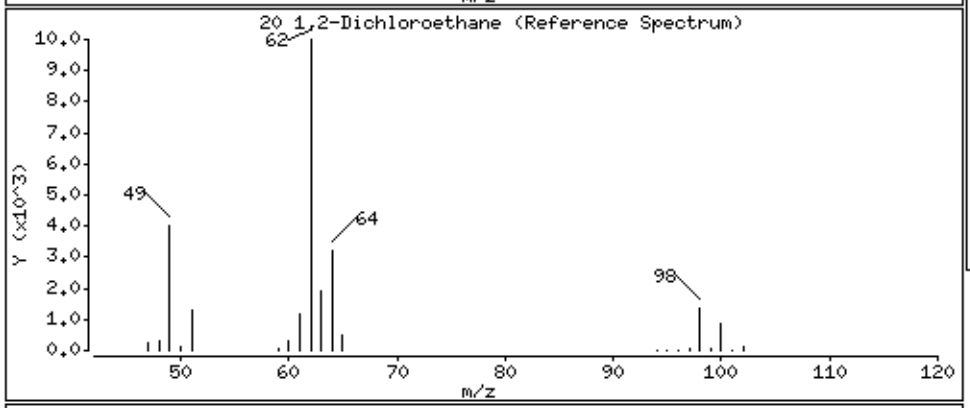
Concentration: 0.0426033 ug

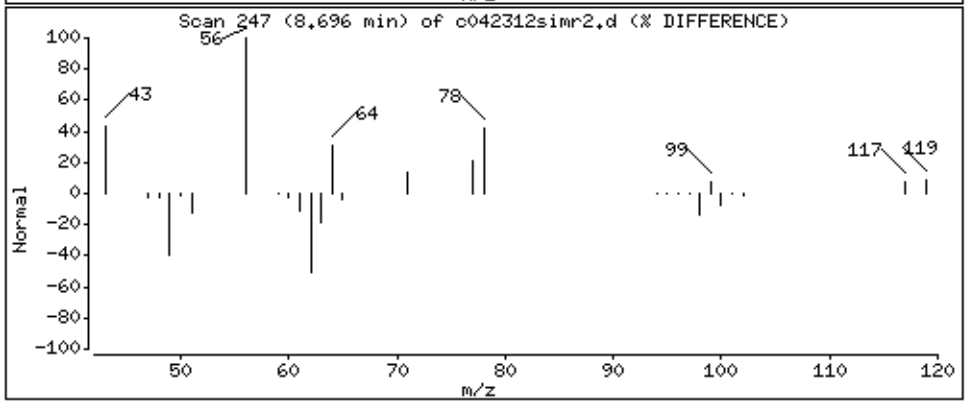












Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

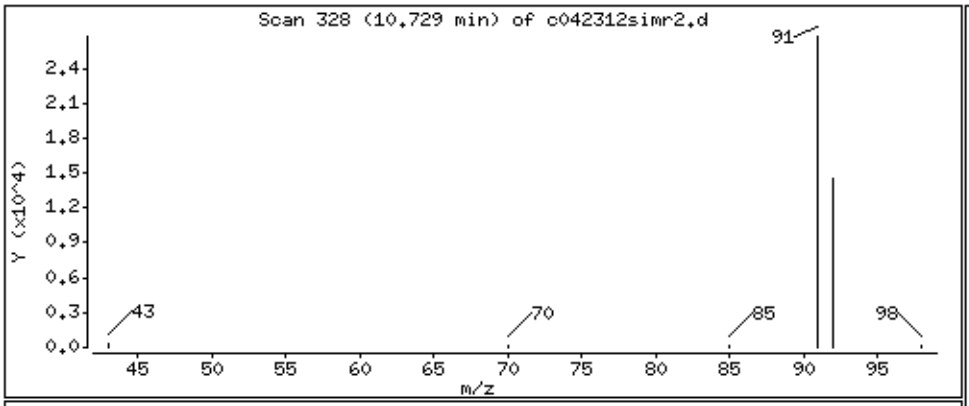
Operator: gm

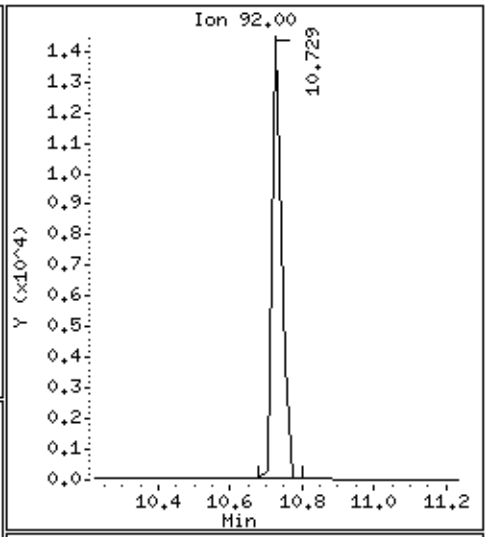
Column phase: DB-5.625

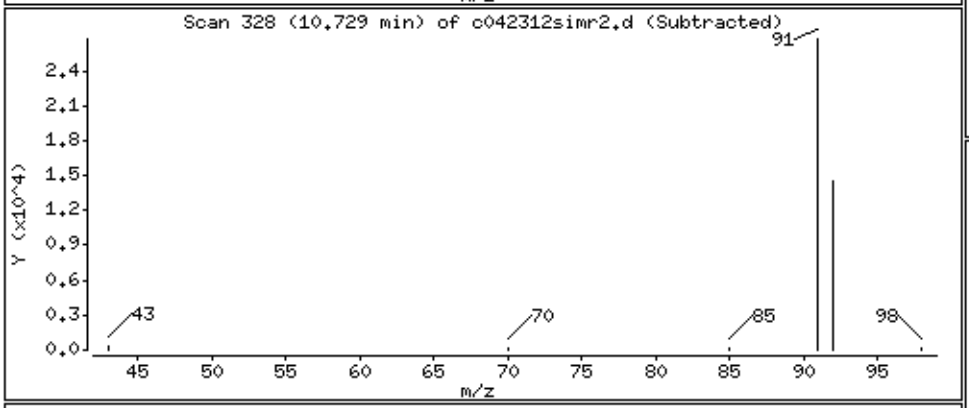
Column diameter: 0.25

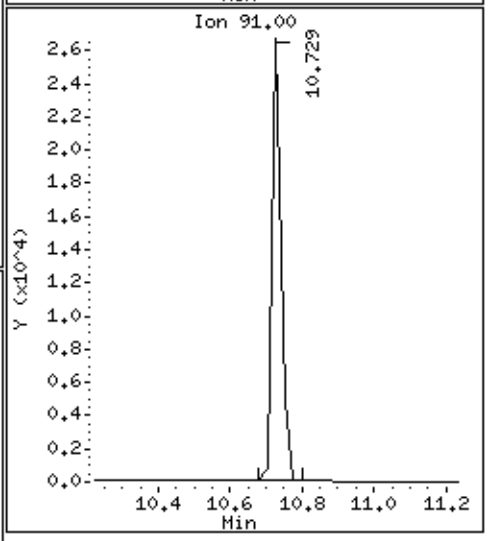
26 Toluene-CCC

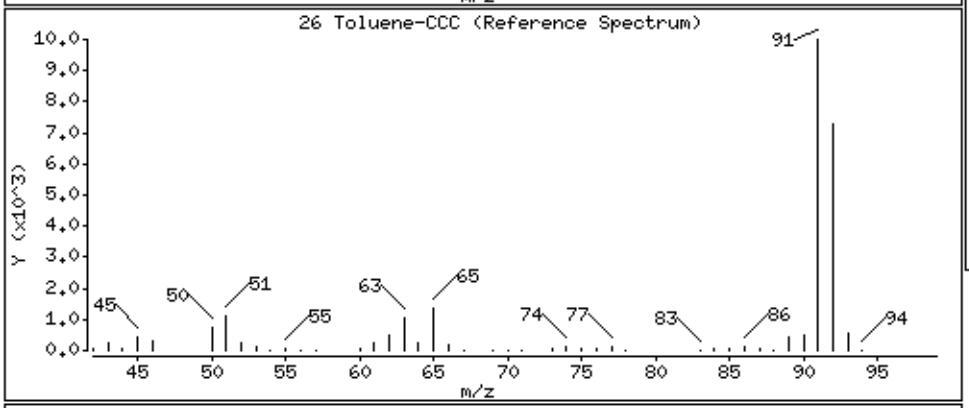
Concentration: 1.38915 ug

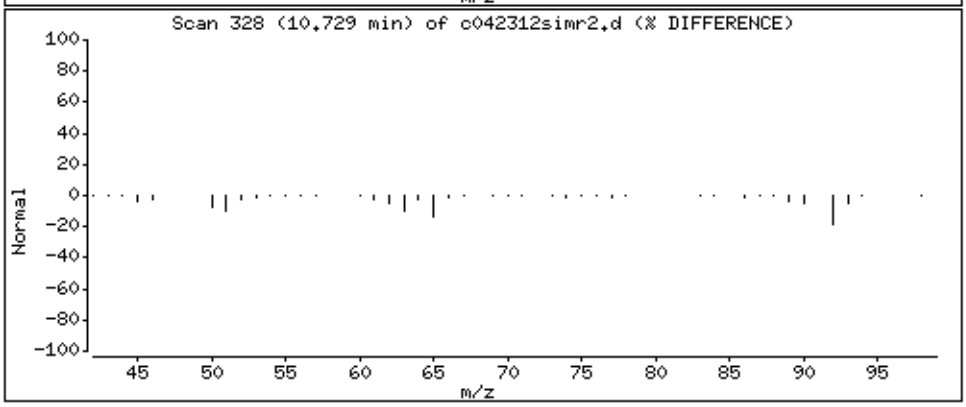












Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

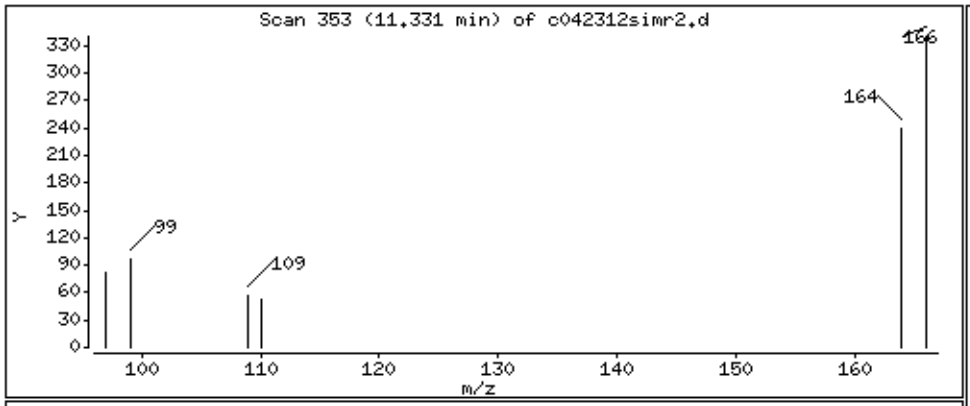
Operator: gm

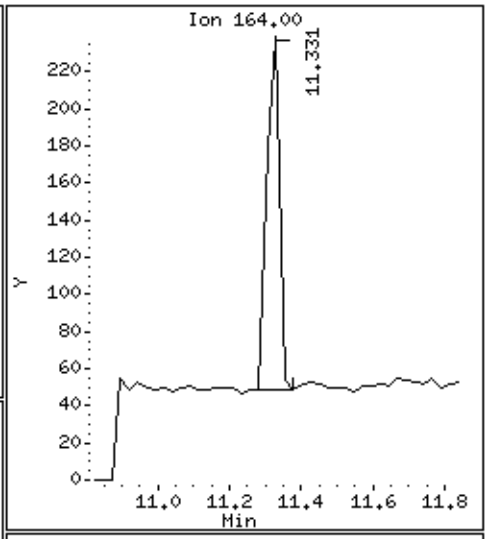
Column phase: DB-5.625

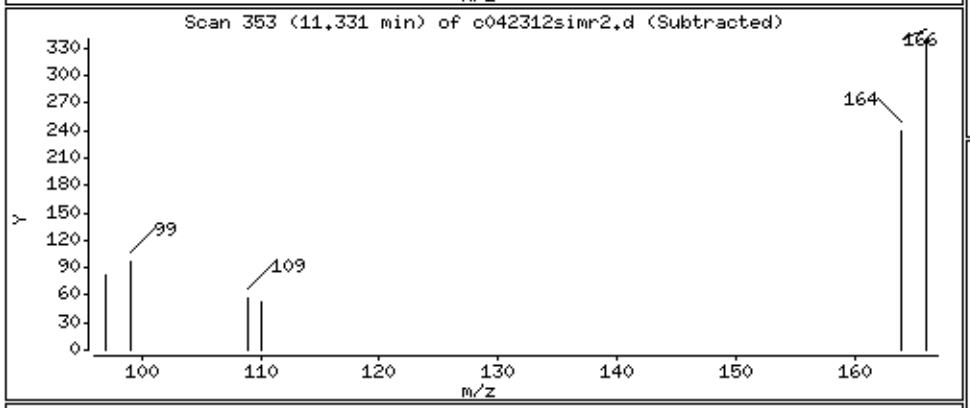
Column diameter: 0.25

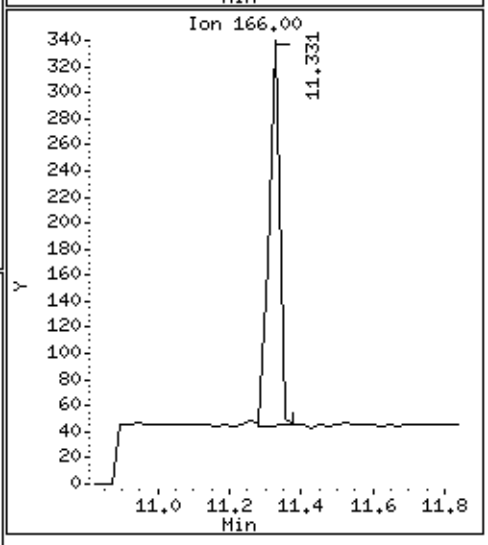
29 Tetrachloroethene

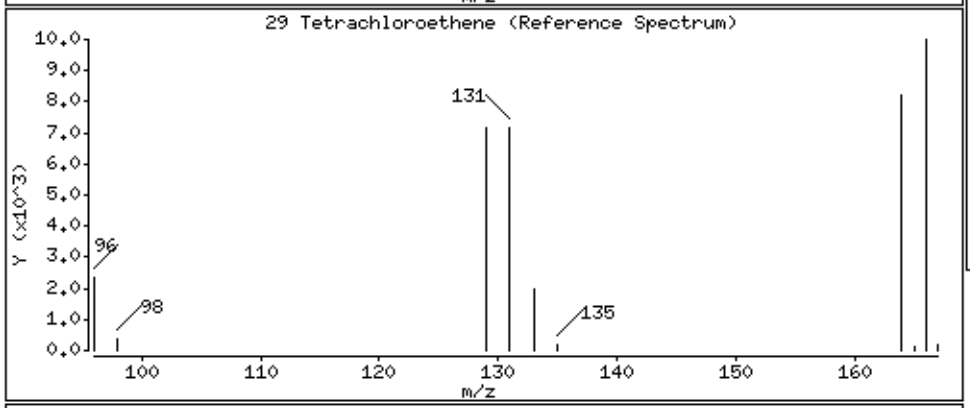
Concentration: 0.0528288 ug

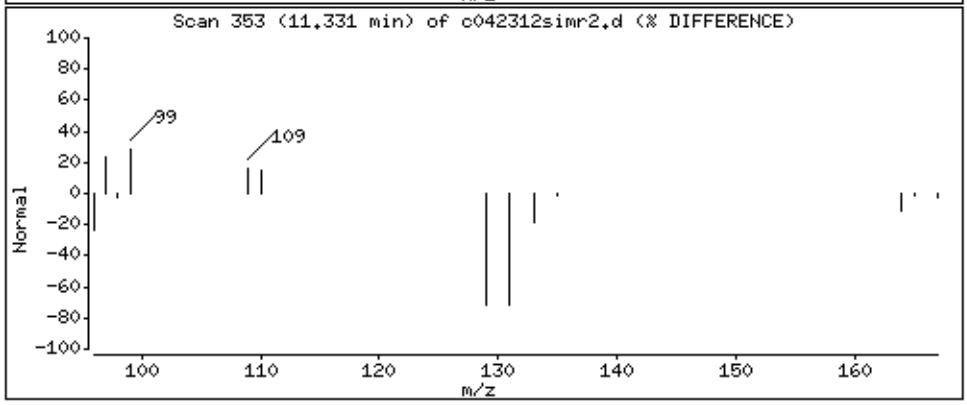












Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

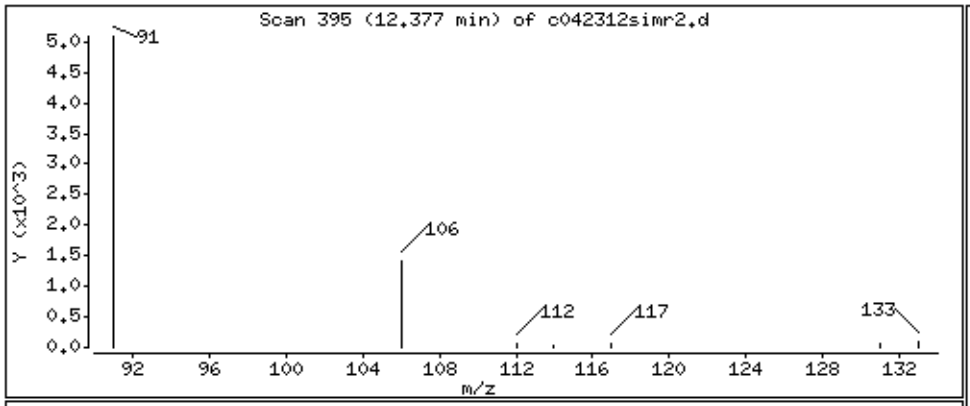
Operator: gm

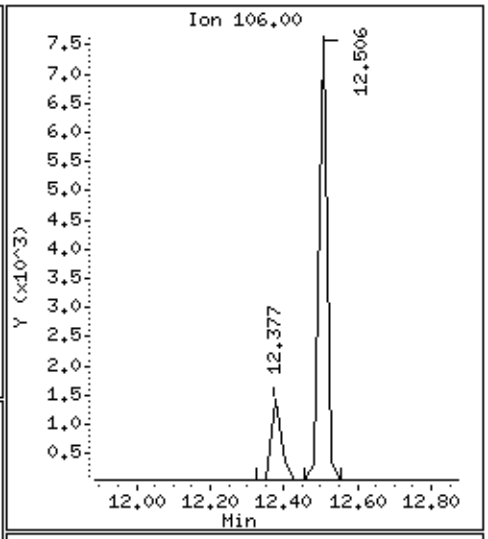
Column phase: DB-5.625

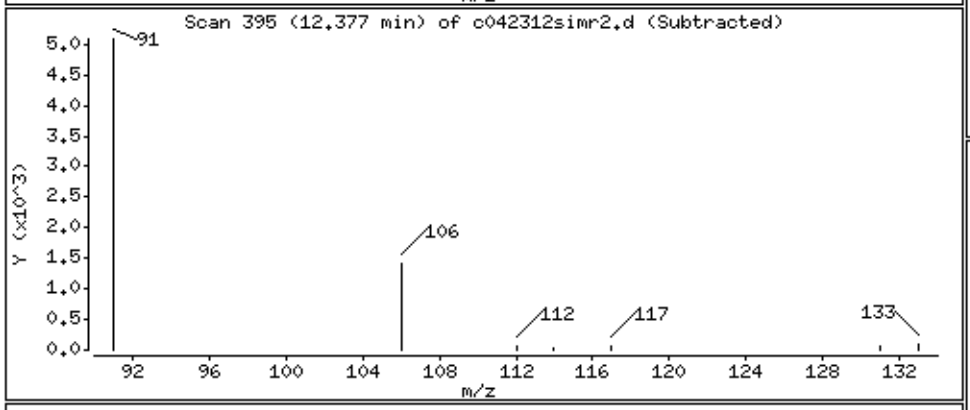
Column diameter: 0.25

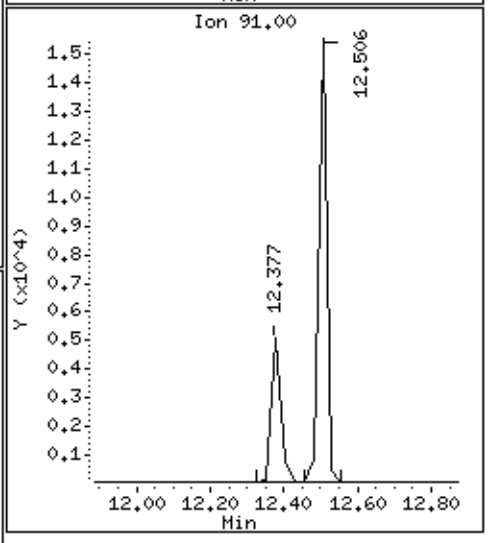
31 Ethylbenzene-CCC

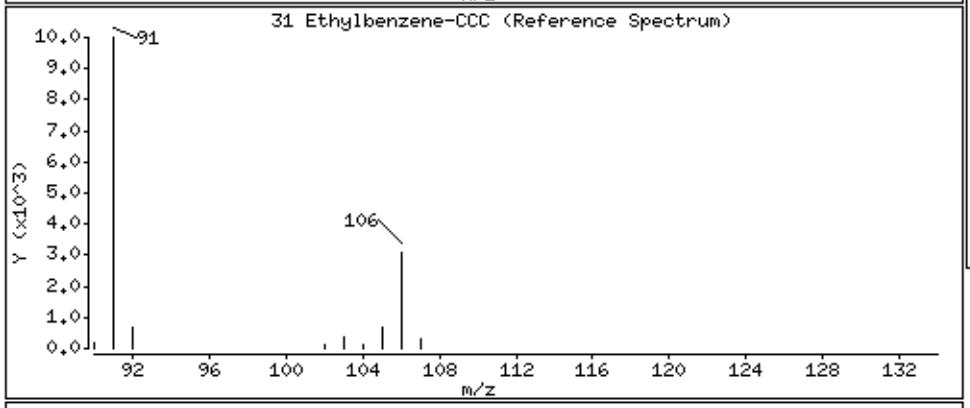
Concentration: 0.211029 ug

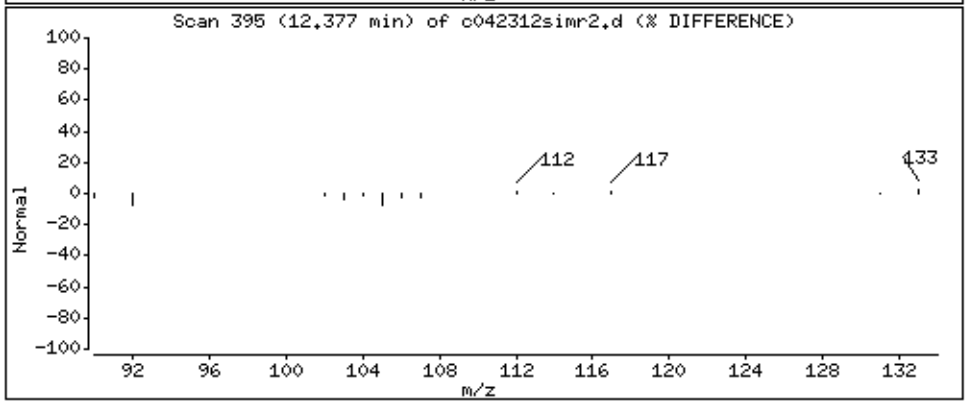












Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

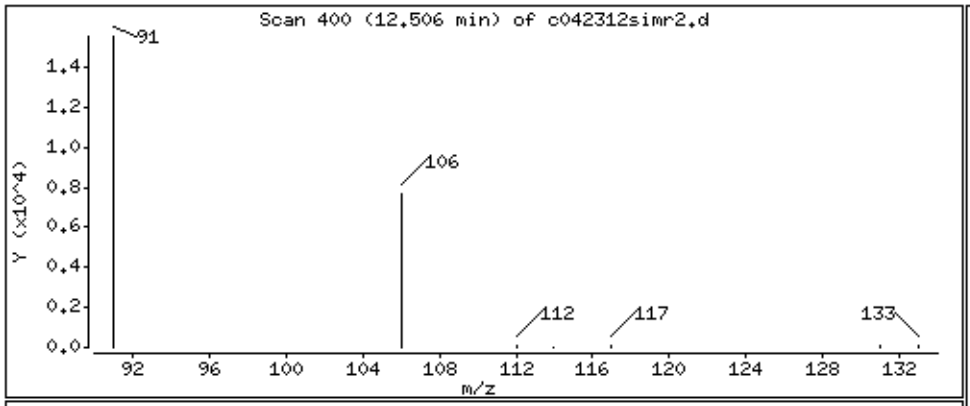
Operator: gm

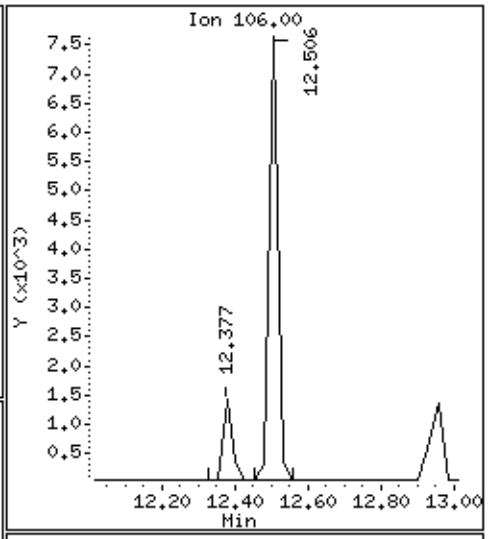
Column phase: DB-5.625

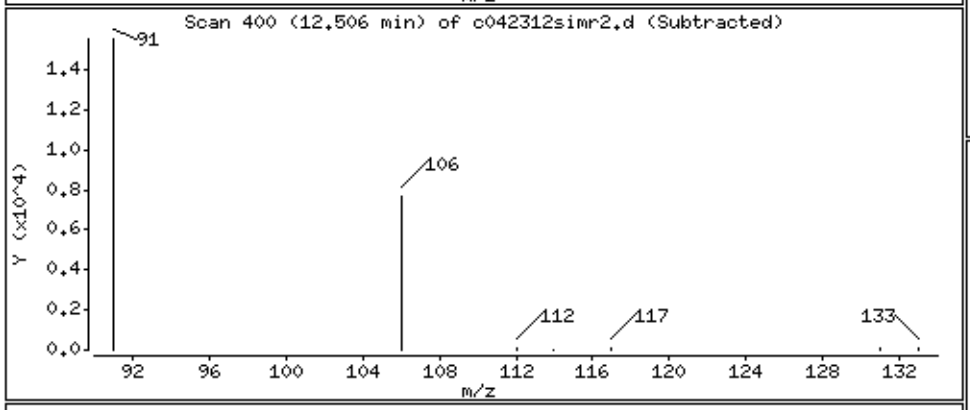
Column diameter: 0.25

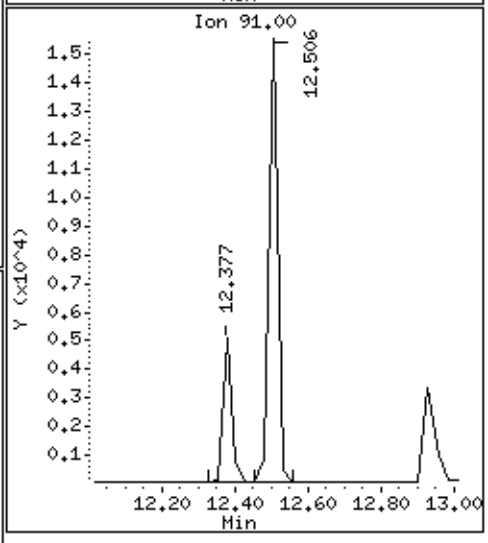
33 m,p-Xylene

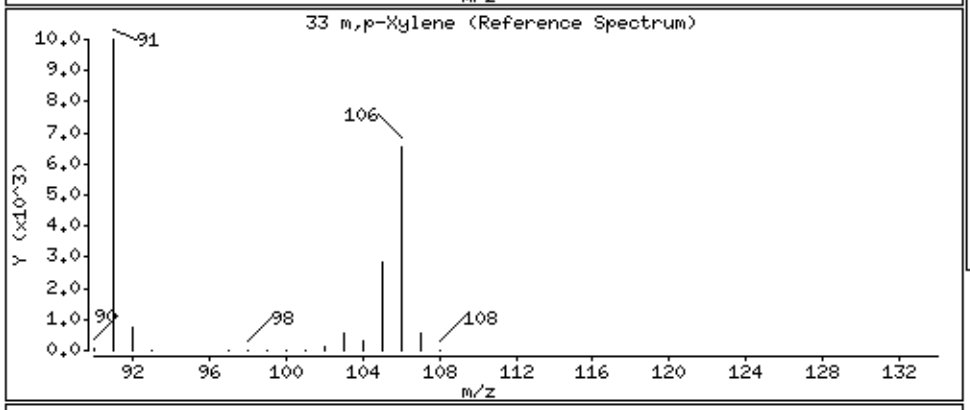
Concentration: 0.725640 ug

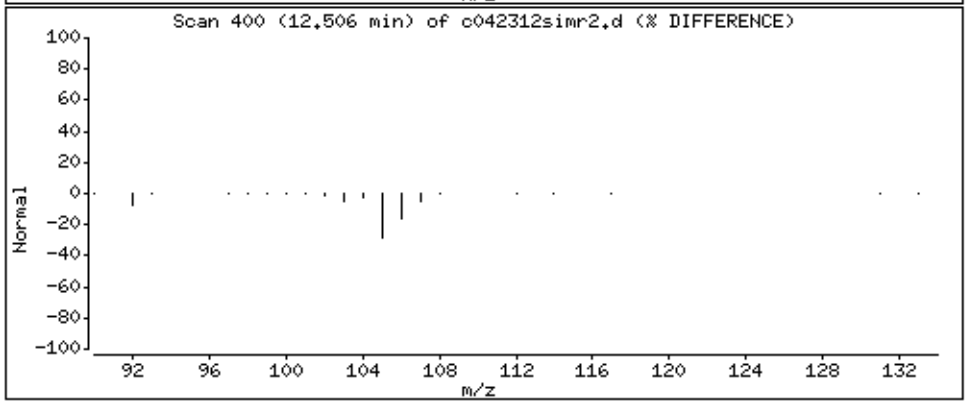












Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

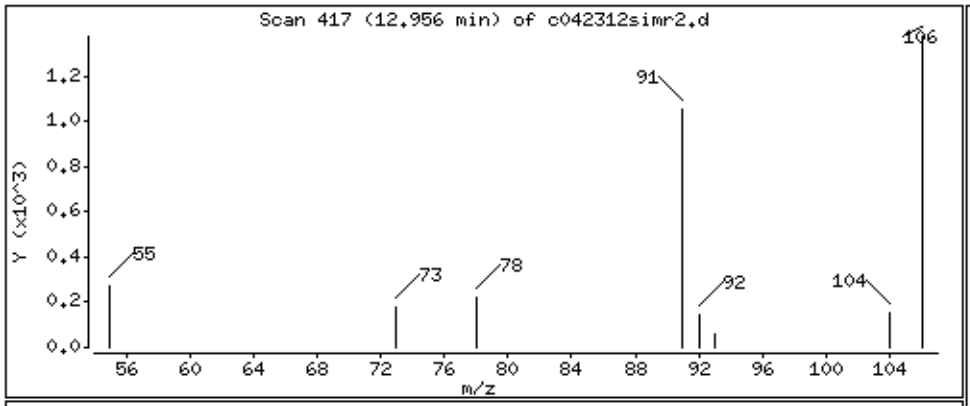
Operator: gm

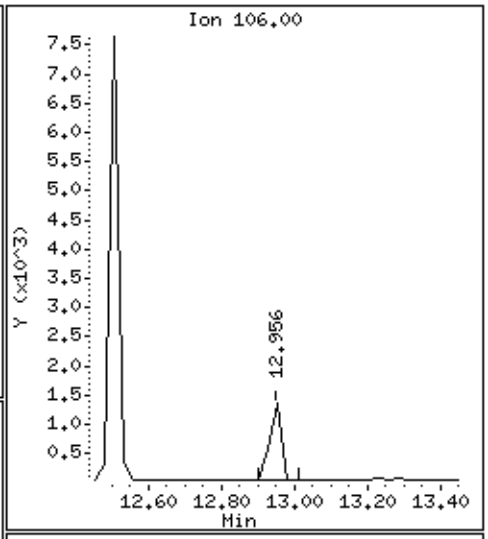
Column phase: DB-5.625

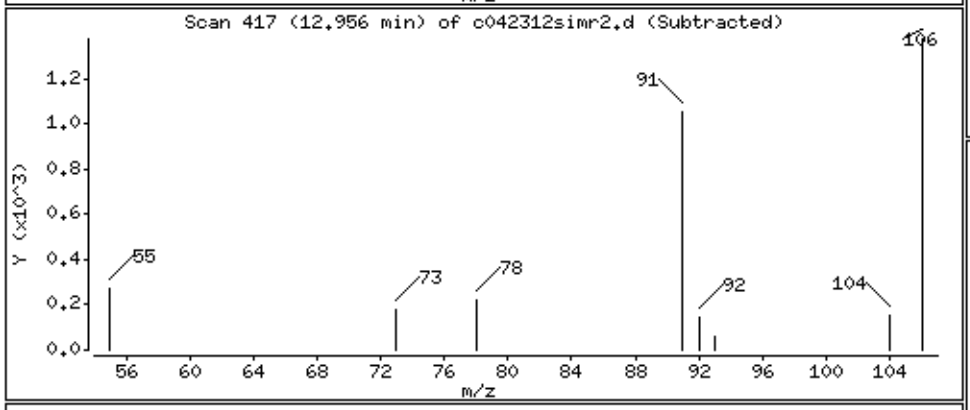
Column diameter: 0.25

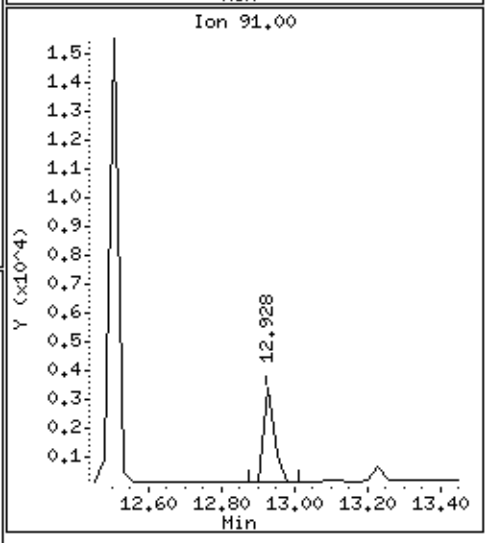
34 o-Xylene

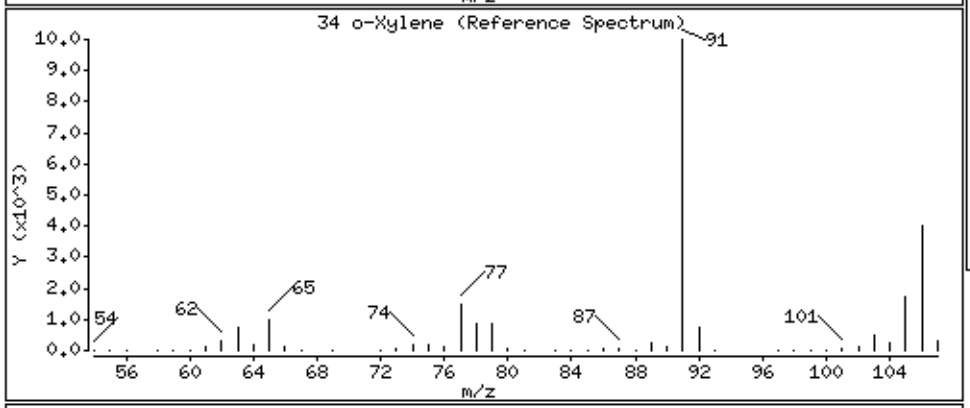
Concentration: 0.221130 ug

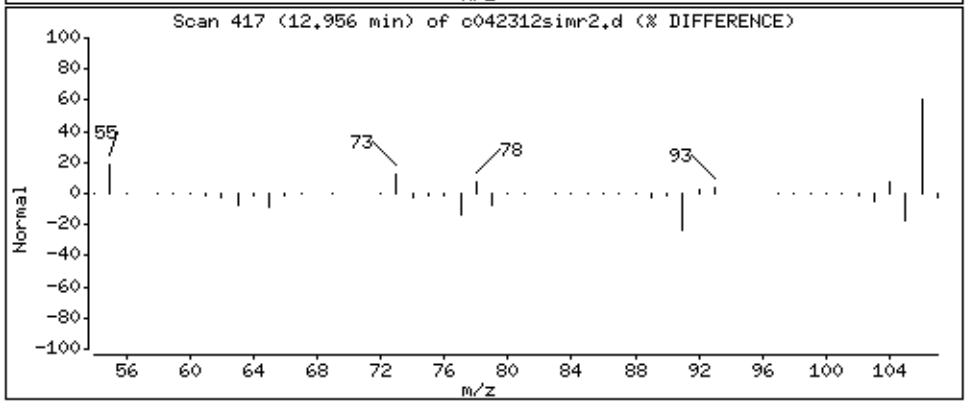












Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

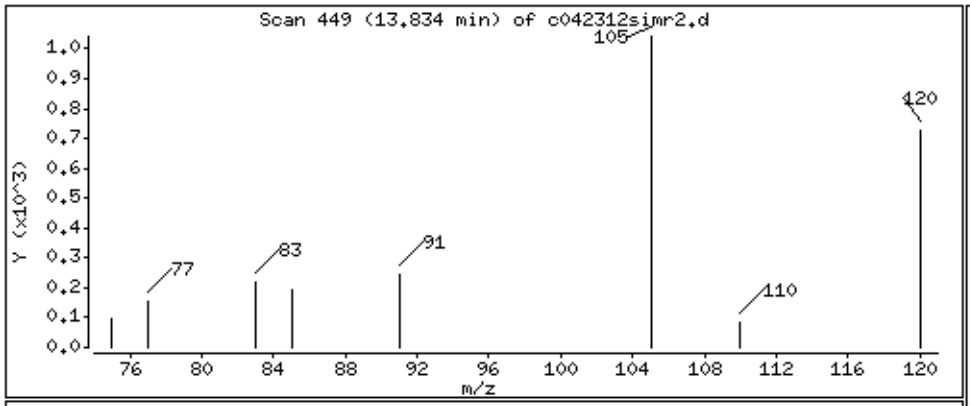
Operator: gm

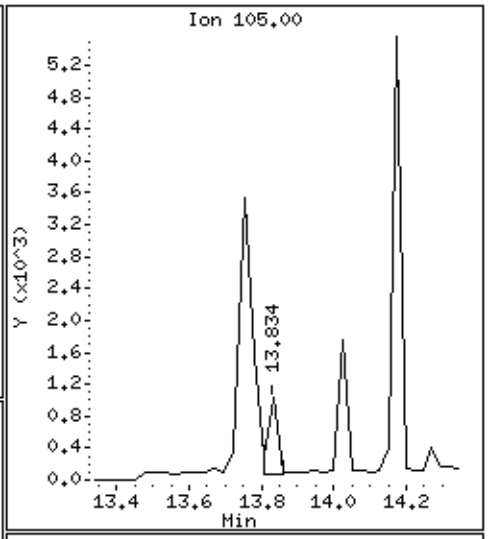
Column phase: DB-5.625

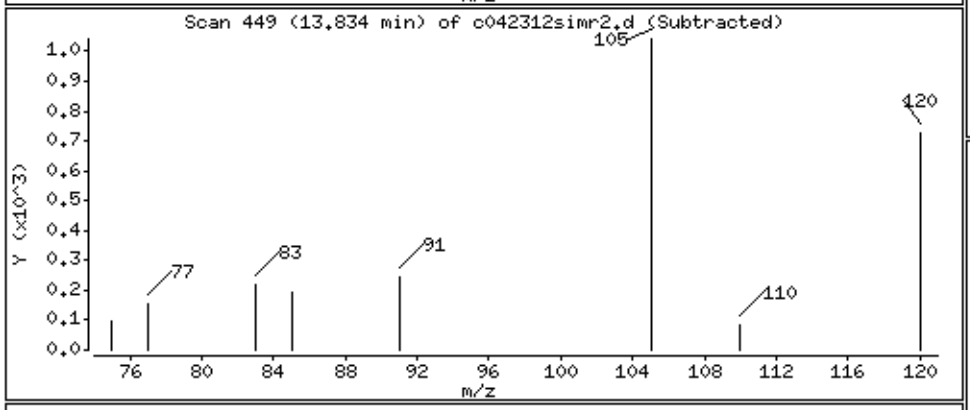
Column diameter: 0.25

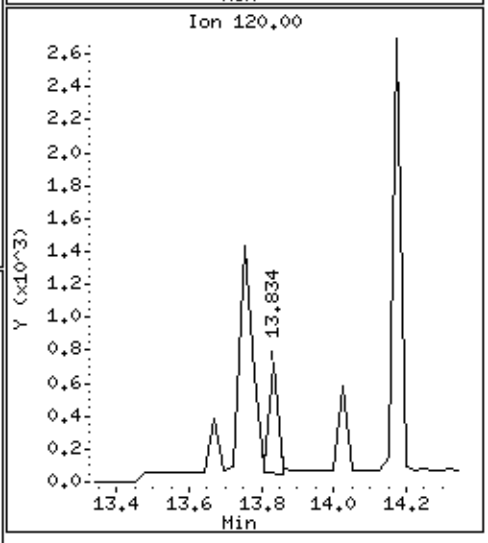
40 1,3,5-Trimethylbenzene

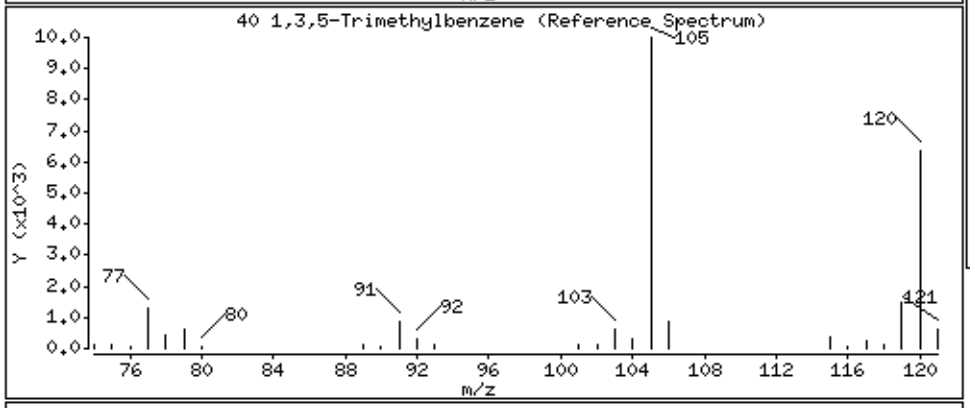
Concentration: 0.0626336 ug

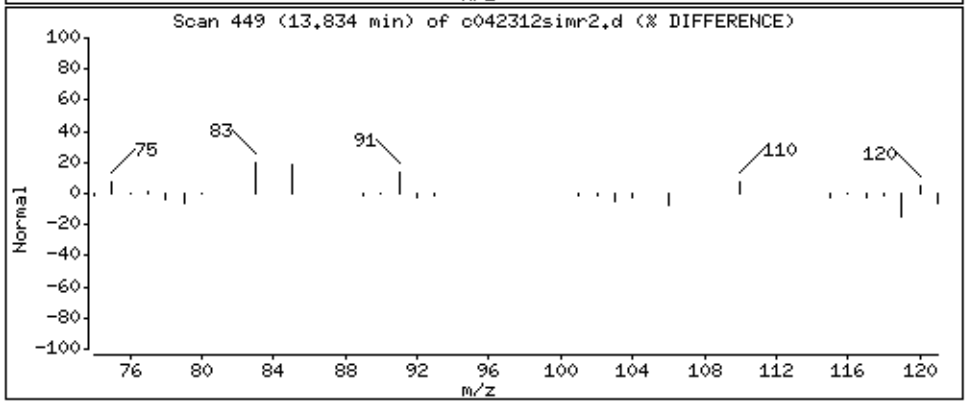












Data File: /chem/msdc.i/23Apr2015.b/c042312simr2.d

Date : 23-APR-2015 13:49

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-04A;

Volume Injected (uL): 1.0

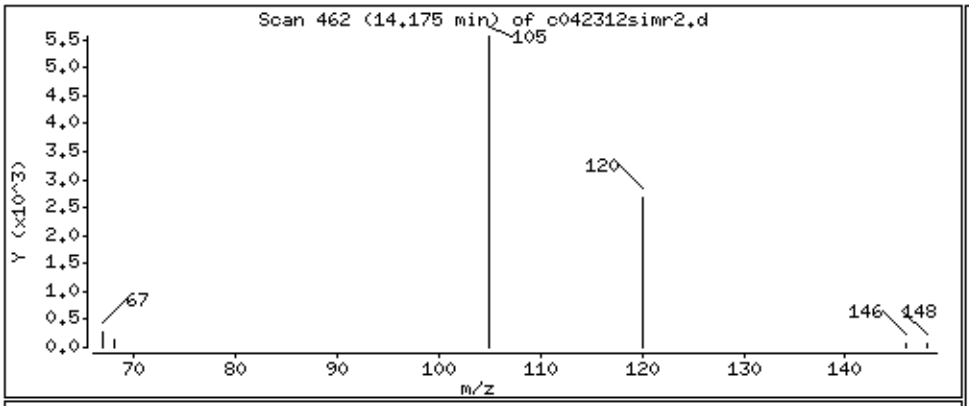
Operator: gm

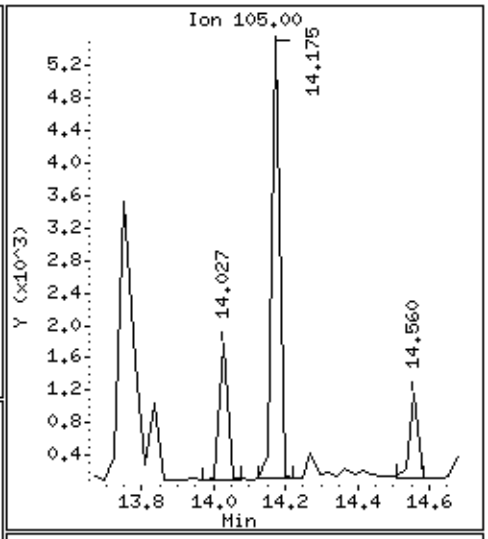
Column phase: DB-5.625

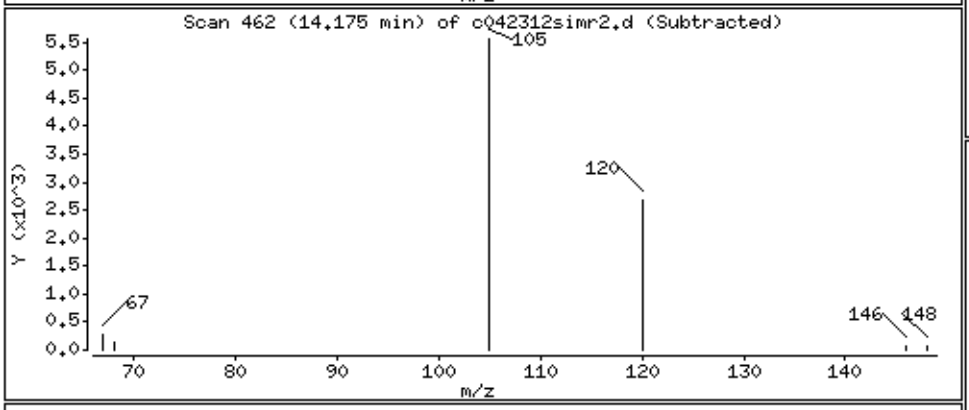
Column diameter: 0.25

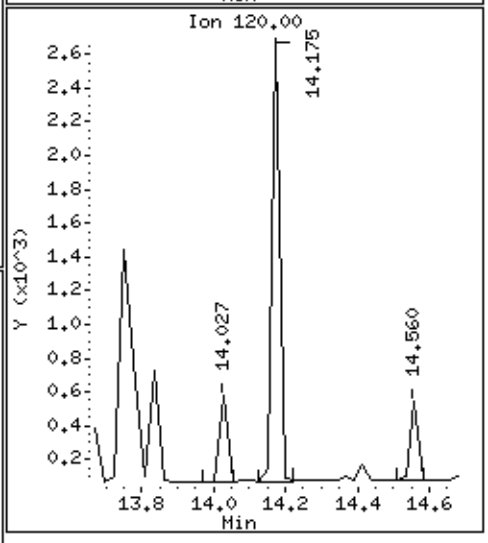
41 1,2,4-Trimethylbenzene

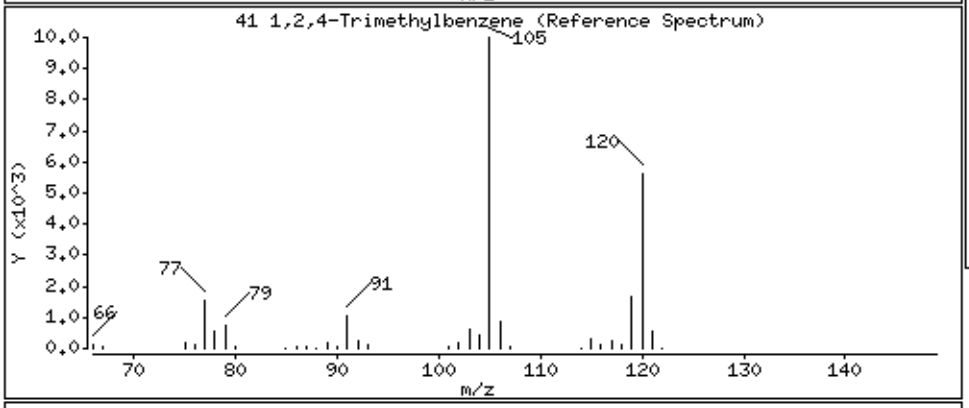
Concentration: 0.213228 ug

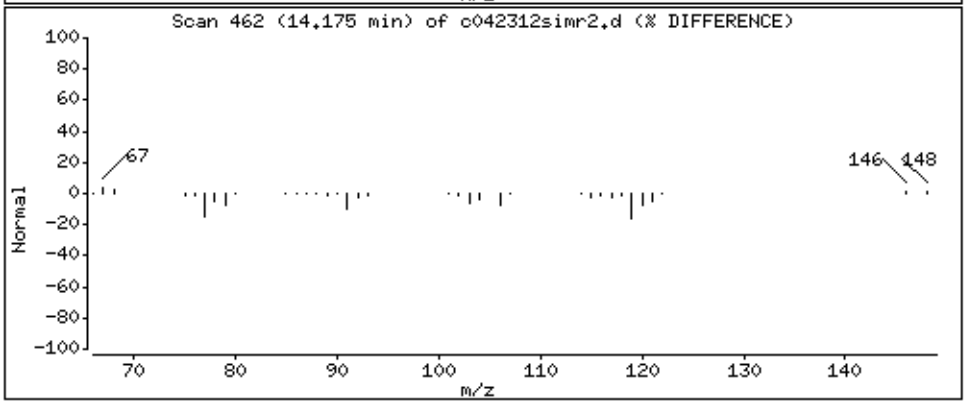












eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 5211-IA01-0415

Lab ID#: 1504309R2-05A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Benzene	0.40	0.48	0.52	0.63
1,2-Dichloroethane	0.10	0.12	0.15	0.19
Trichloroethene	0.10	0.14	0.039 J	0.054 J
Toluene	0.10	0.13	2.6	3.3
Tetrachloroethene	0.10	0.16	0.84	1.4
Ethyl Benzene	0.10	0.14	0.24	0.34
m,p-Xylene	0.10	0.14	0.76	1.0
o-Xylene	0.10	0.15	0.24	0.35
1,2,4-Trimethylbenzene	0.10	0.19	0.21	0.40
1,3,5-Trimethylbenzene	0.10	0.18	0.061 CJ	0.11 CJ

eurofins | Air Toxics

Client Sample ID: 5211-IA01-0415

Lab ID#: 1504309R2-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042313simr1**	**Date of Collection: 4/17/15 9:11:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 02:13 PM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	0.52	0.63
1,2-Dichloroethane	0.10	0.12	0.15	0.19
Trichloroethene	0.10	0.14	0.039 J	0.054 J
Toluene	0.10	0.13	2.6	3.3
Tetrachloroethene	0.10	0.16	0.84	1.4
Ethyl Benzene	0.10	0.14	0.24	0.34
m,p-Xylene	0.10	0.14	0.76	1.0
o-Xylene	0.10	0.15	0.24	0.35
Naphthalene	0.10	0.38	Not Detected	Not Detected
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	0.21	0.40
1,3,5-Trimethylbenzene	0.10	0.18	0.061 CJ	0.11 CJ
Vinyl Chloride	0.40	0.42	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.8F , duration time = 10076 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	115	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042313simr1.d
Lab Smp Id: 1504309R1-05A
Inj Date : 23-APR-2015 14:13
Operator : gm Inst ID: msdc.i
Smp Info : ;1504309R1-05A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 10-May-2015 12:15 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
	2 Vinyl Chloride	62	Compound Not Detected.					
	4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
	8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
	14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	17 1,1,1-Trichloroethane	97	Compound Not Detected.					
	19 Benzene	78	8.604	8.603	(0.783)	13957	0.26157	0.523142
	20 1,2-Dichloroethane	62	8.696	8.696	(0.791)	1853	0.07558	0.151151
	22 Trichloroethene	130	9.331	9.331	(0.849)	341	0.01936	0.0387178(a)
$	25 Toluene-d8	98	10.656	10.656	(0.969)	289953	5.73349	11.4670
	26 Toluene-CCC	92	10.729	10.728	(0.976)	56040	1.28287	2.56574
*	27 2-Fluorotoluene	109	10.994	10.993	(1.000)	307238	5.00000	
	28 1,1,2-Trichloroethane	97	Compound Not Detected.					
	29 Tetrachloroethene	164	11.331	11.331	(1.031)	8461	0.42102	0.842043
	31 Ethylbenzene-CCC	106	12.377	12.377	(1.126)	3387	0.12058	0.241160
	33 m,p-Xylene	106	12.506	12.506	(1.138)	14977	0.38104	0.762070

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	12.956	12.956	(1.178)	3691	0.11816	0.236315
40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	2161	0.03065	0.0613087(aM)
41 1,2,4-Trimethylbenzene	105	14.175	14.174	(1.289)	9306	0.10464	0.209287
48 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 10-May-2015 12:25

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042313simr1.d
Lab Smp Id: 1504309R1-05A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	307238	-5.34

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 10-May-2015 12:25

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504309R1-05A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	11.4670	114.67	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

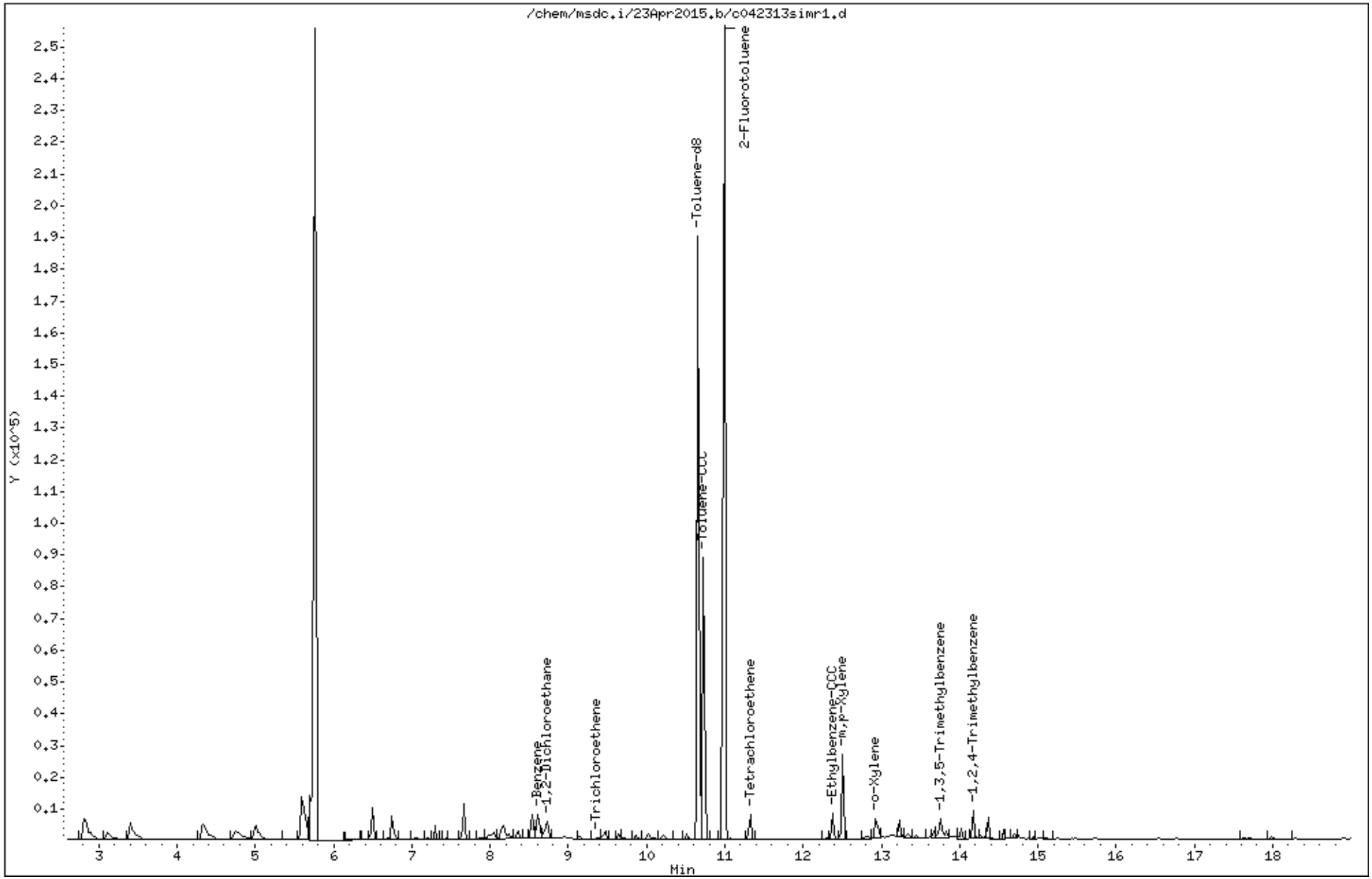
Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

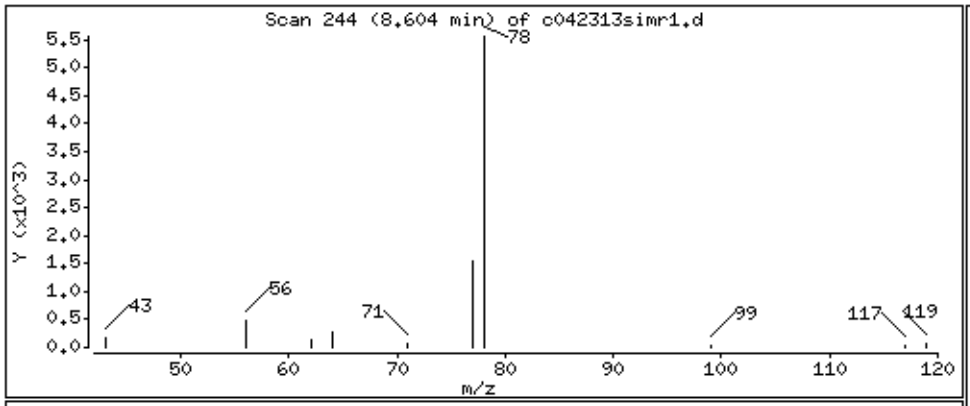
Operator: gm

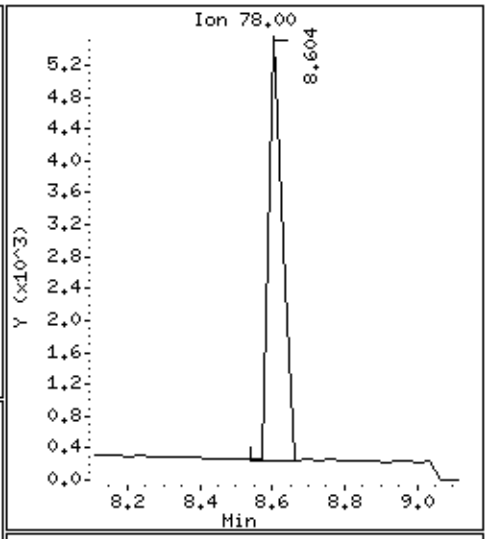
Column phase: DB-5.625

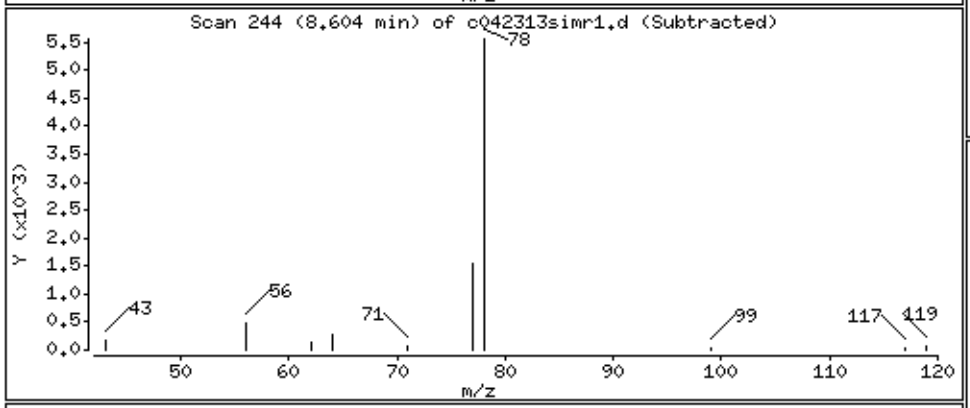
Column diameter: 0.25

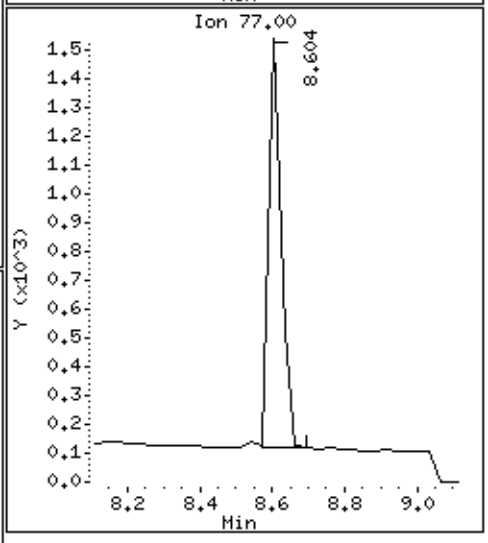
19 Benzene

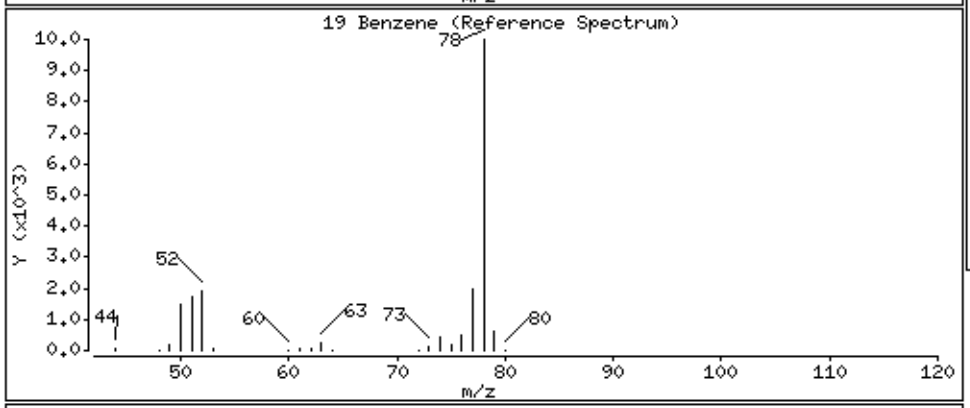
Concentration: 0.523142 ug

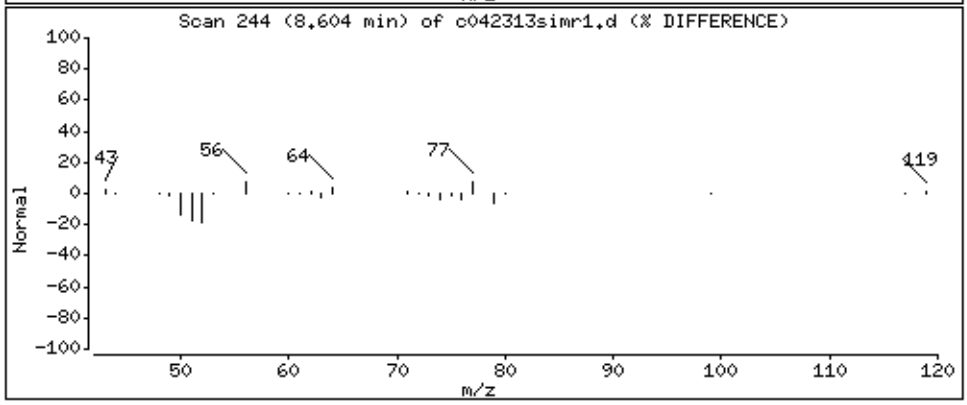












Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

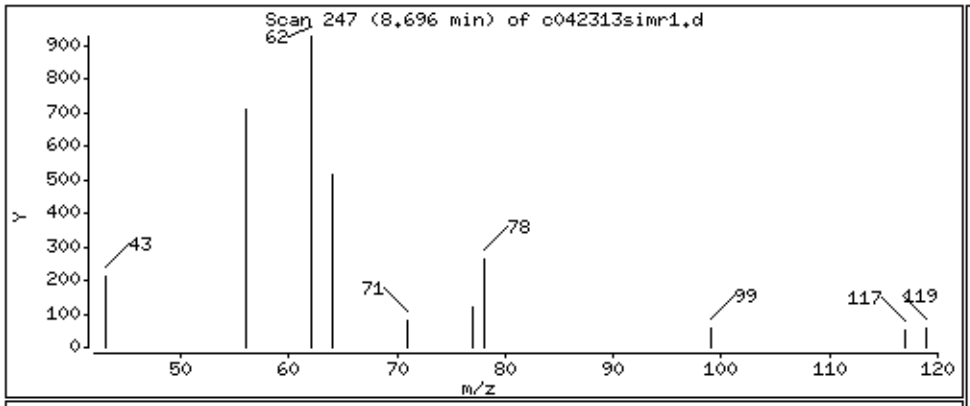
Operator: gm

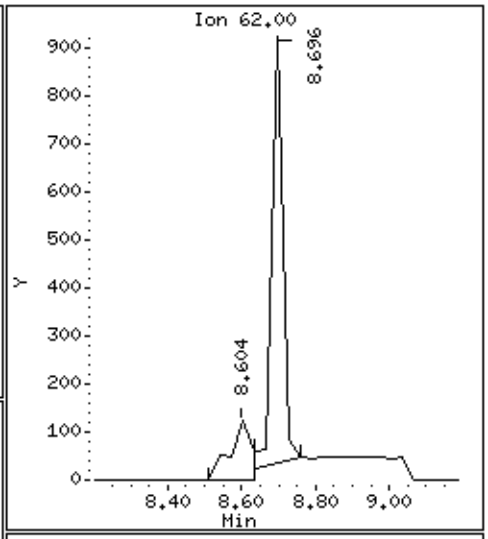
Column phase: DB-5.625

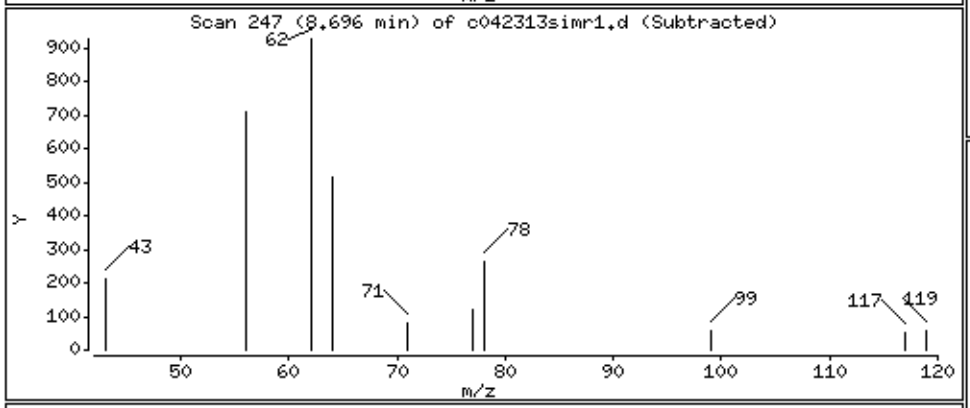
Column diameter: 0.25

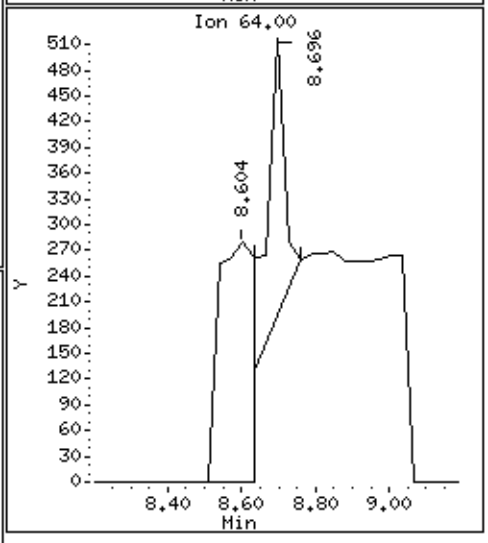
20 1,2-Dichloroethane

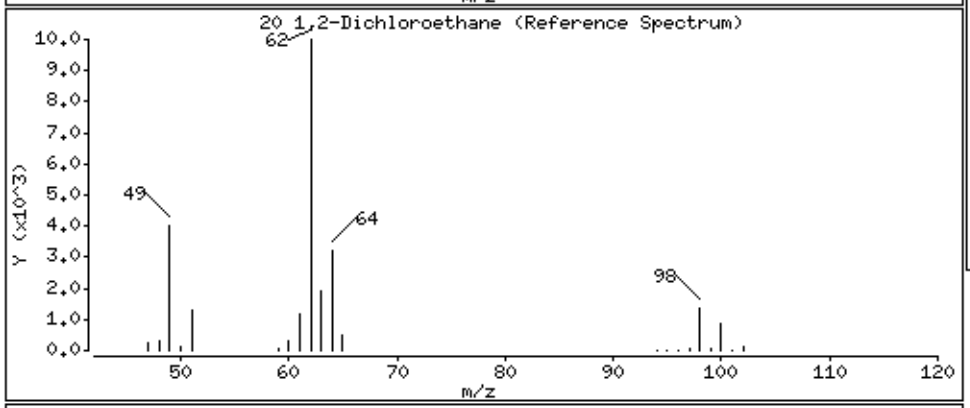
Concentration: 0.151151 ug

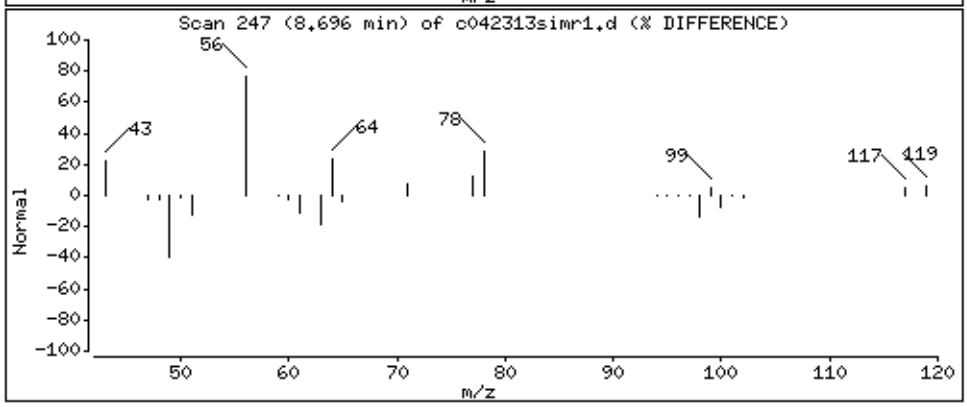












Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

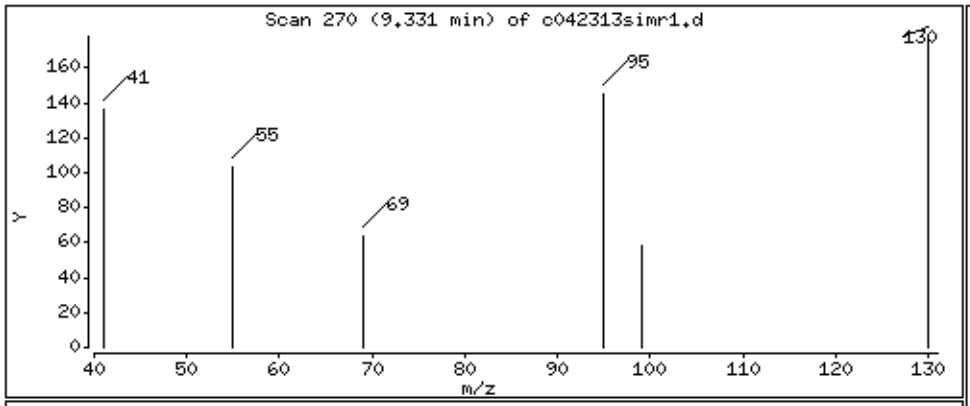
Operator: gm

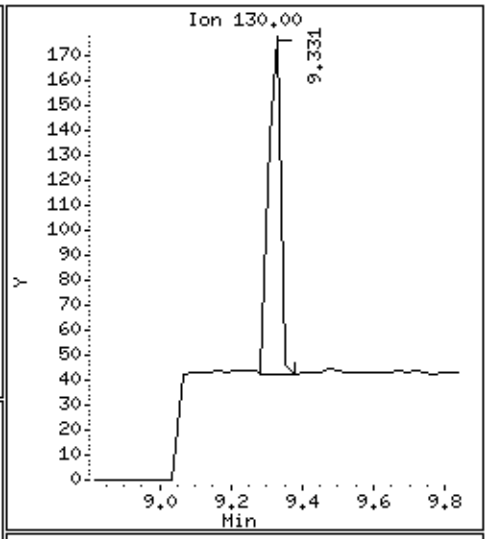
Column phase: DB-5.625

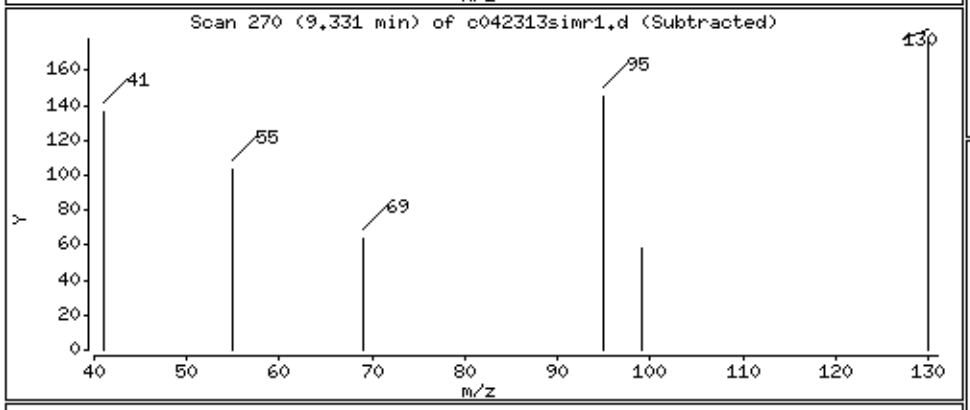
Column diameter: 0.25

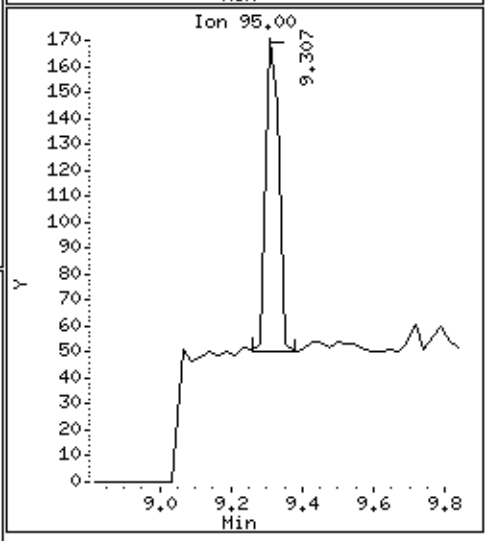
22 Trichloroethene

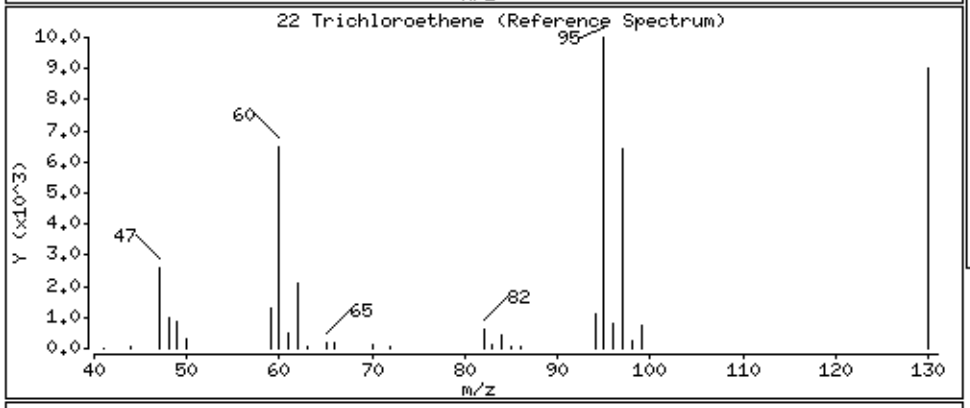
Concentration: 0.0387178 ug

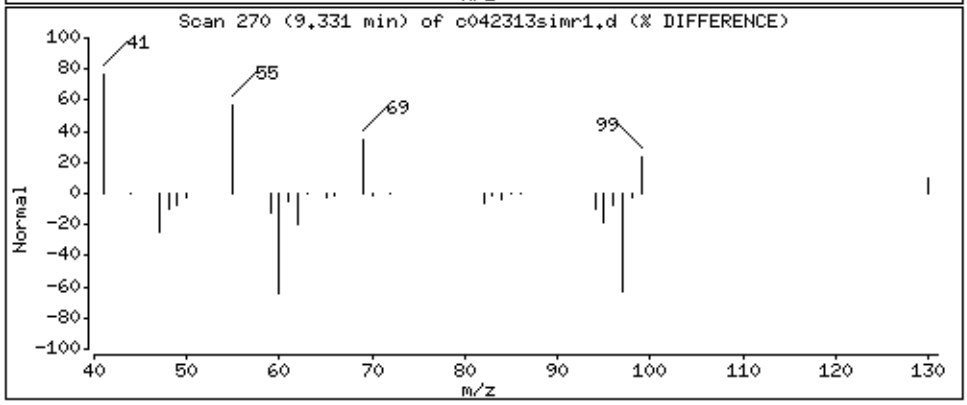












Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

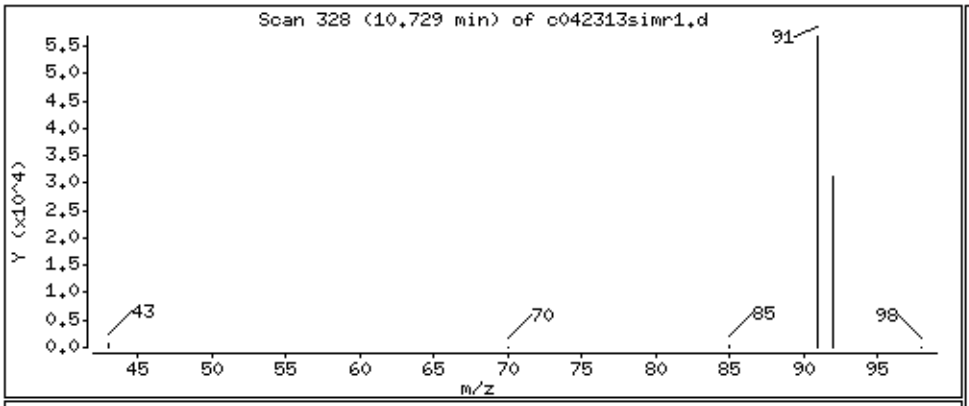
Operator: gm

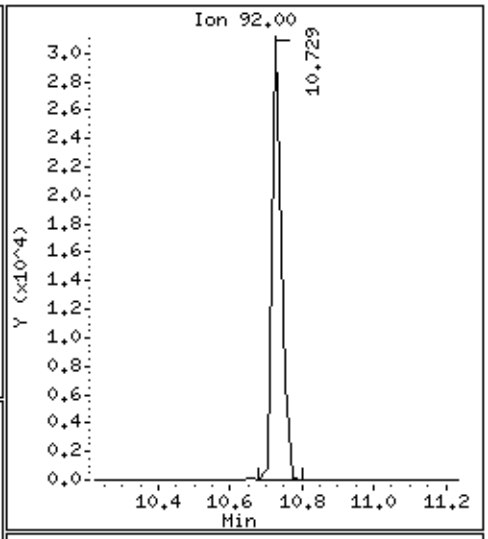
Column phase: DB-5.625

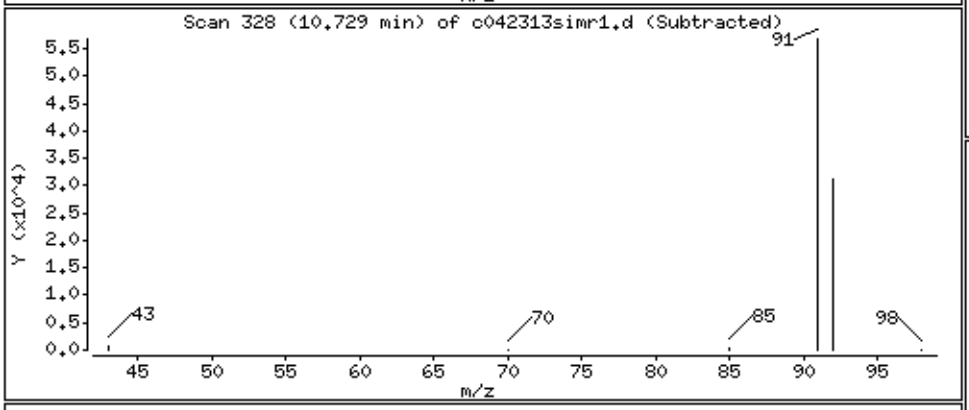
Column diameter: 0.25

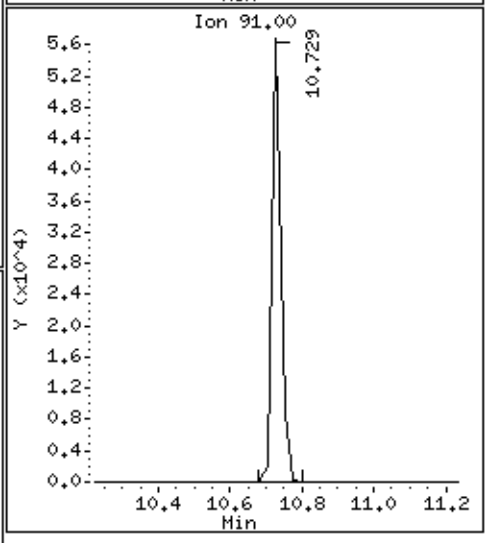
26 Toluene-CCC

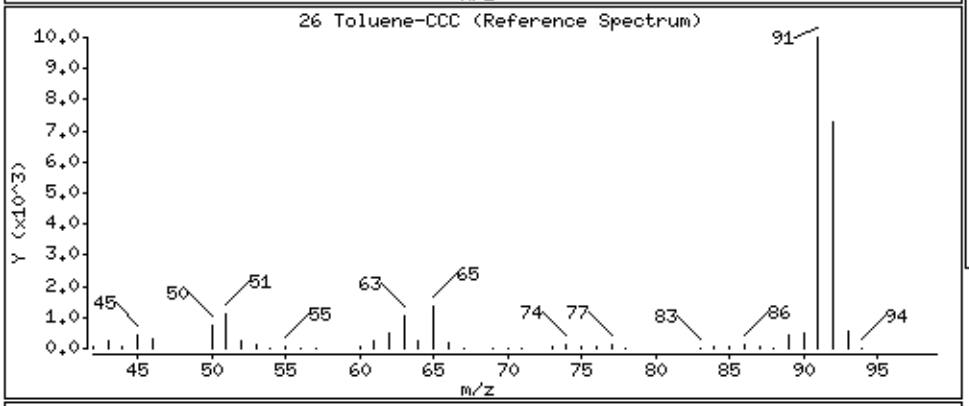
Concentration: 2.56574 ug

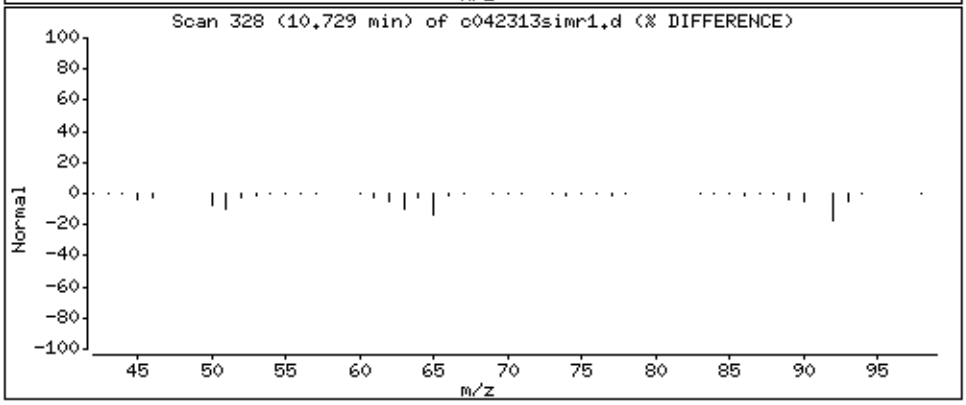












Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

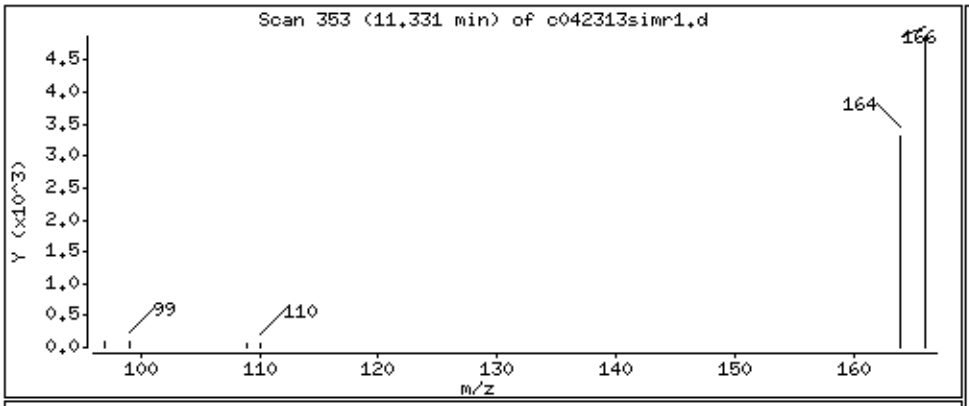
Operator: gm

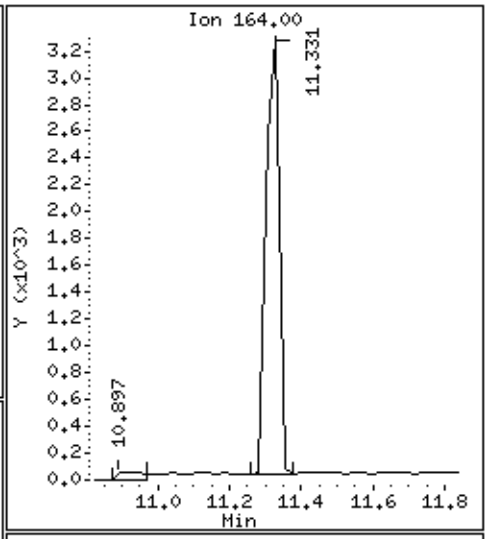
Column phase: DB-5.625

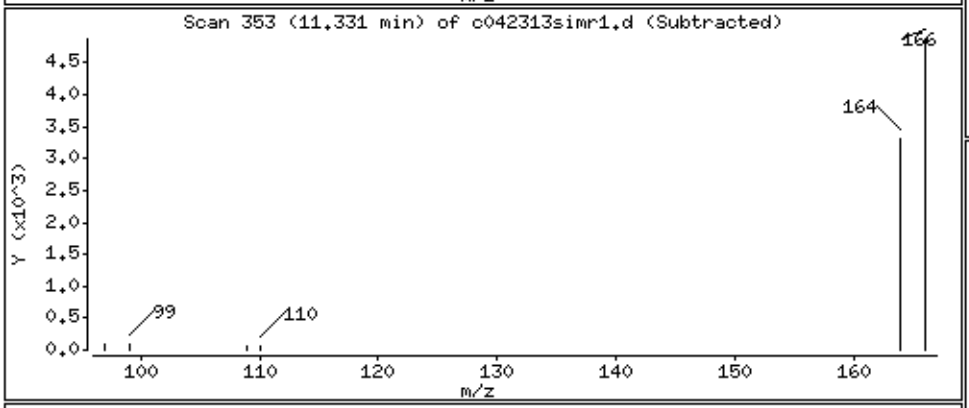
Column diameter: 0.25

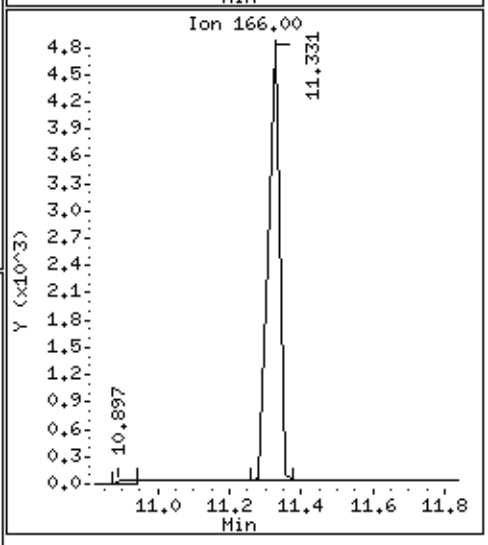
29 Tetrachloroethene

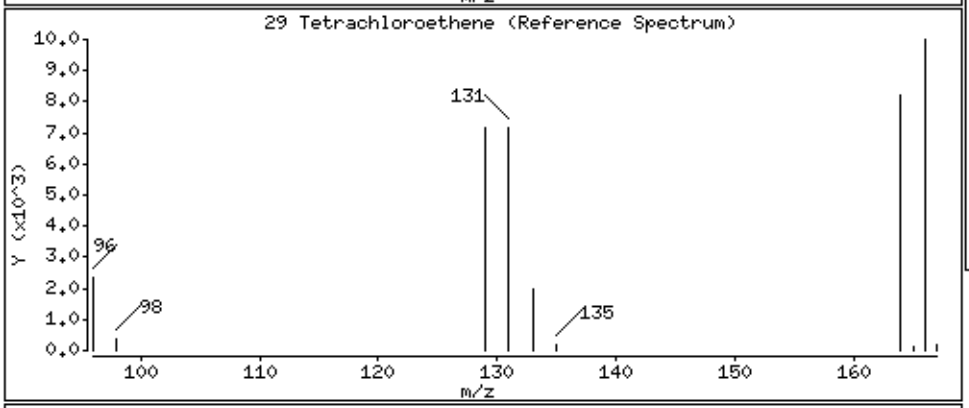
Concentration: 0.842043 ug

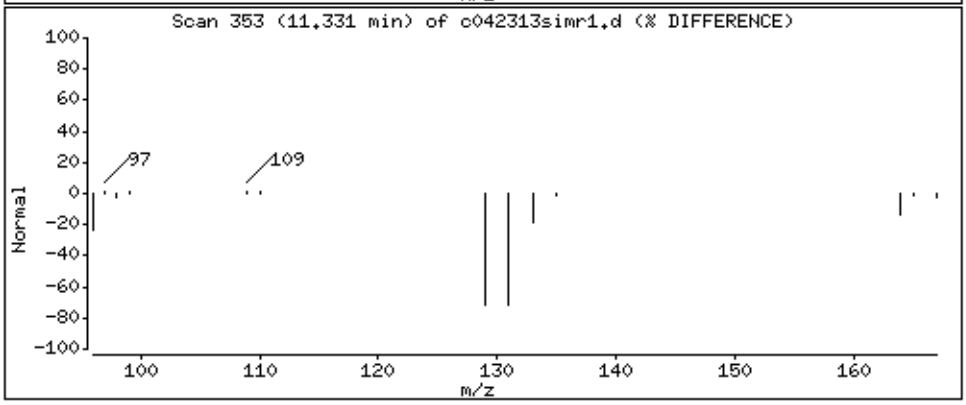












Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

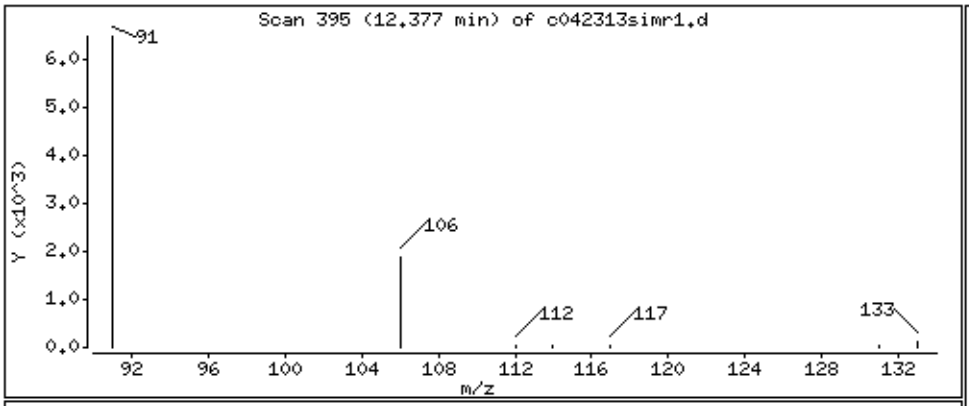
Operator: gm

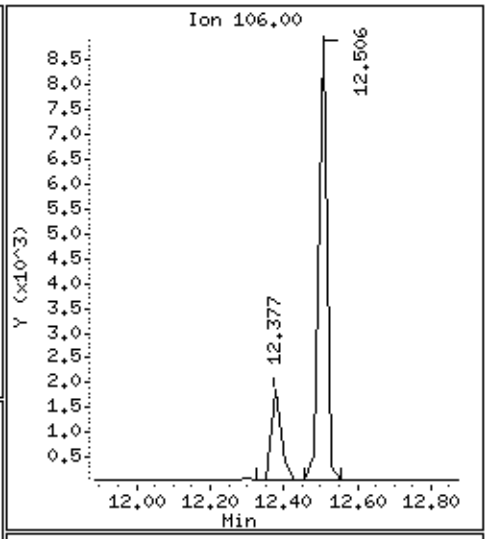
Column phase: DB-5.625

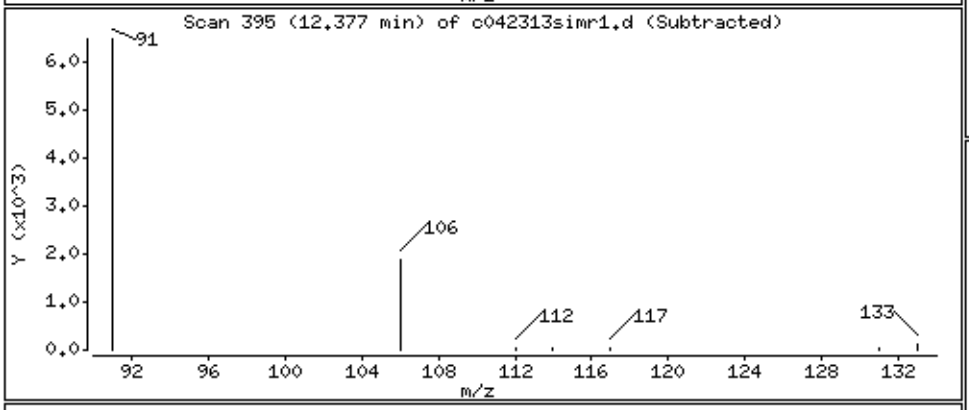
Column diameter: 0.25

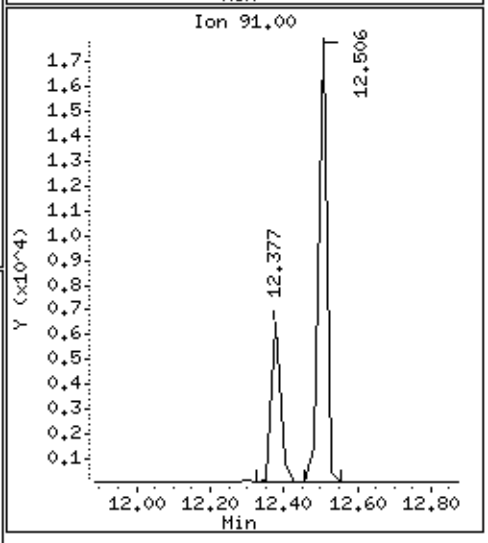
31 Ethylbenzene-CCC

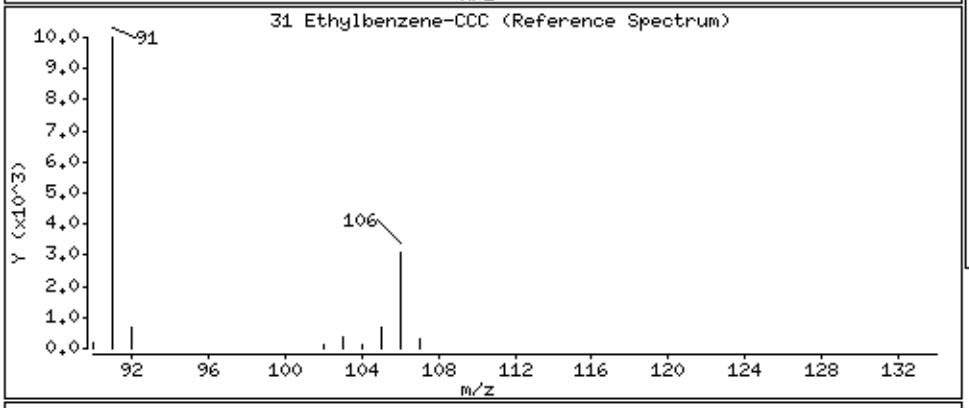
Concentration: 0.241160 ug

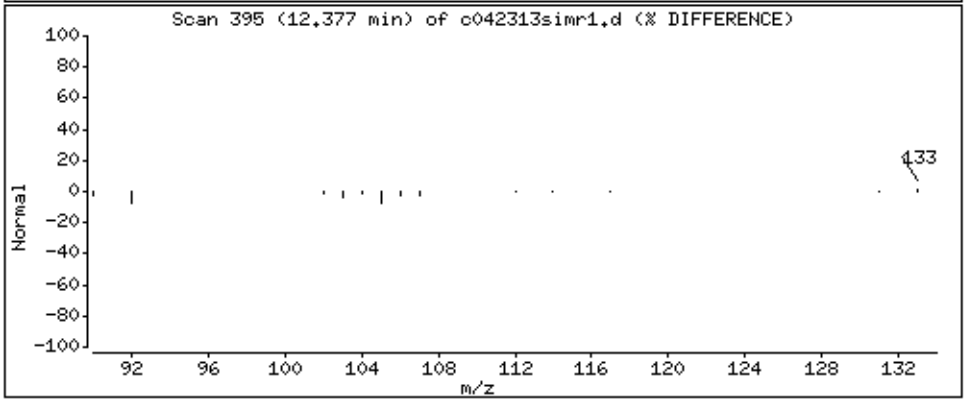












Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

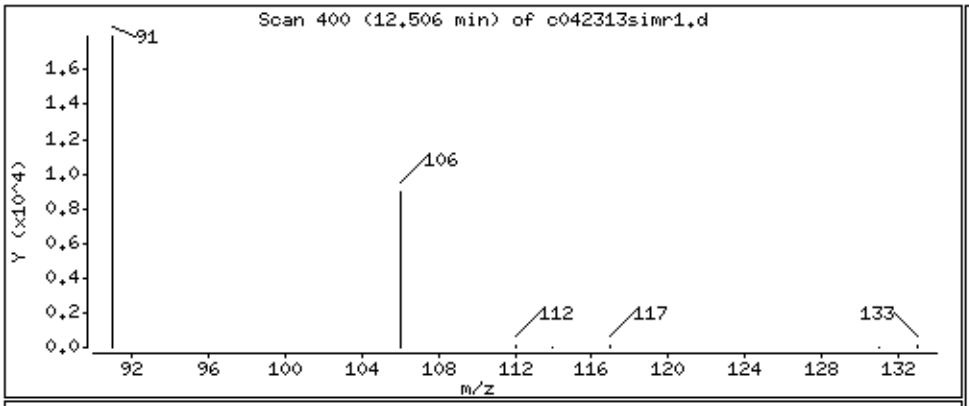
Operator: gm

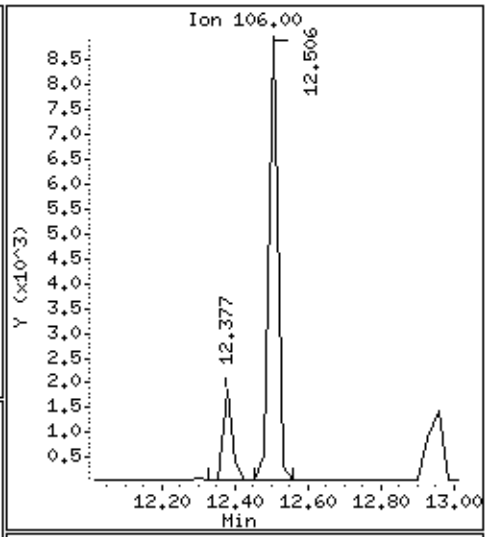
Column phase: DB-5.625

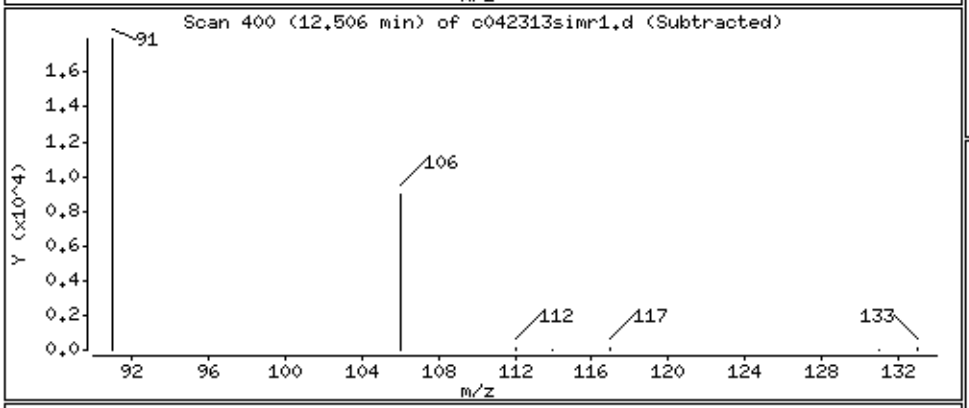
Column diameter: 0.25

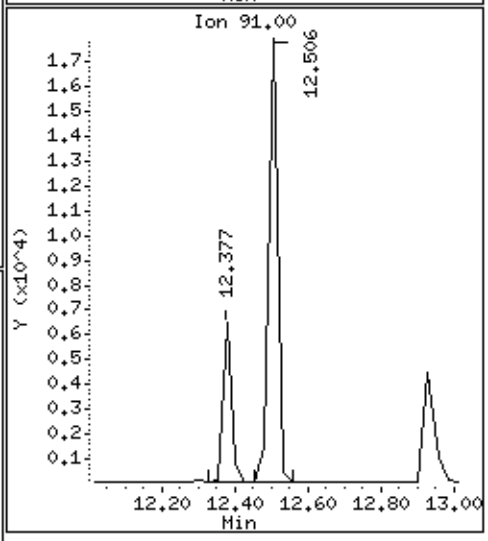
33 m,p-Xylene

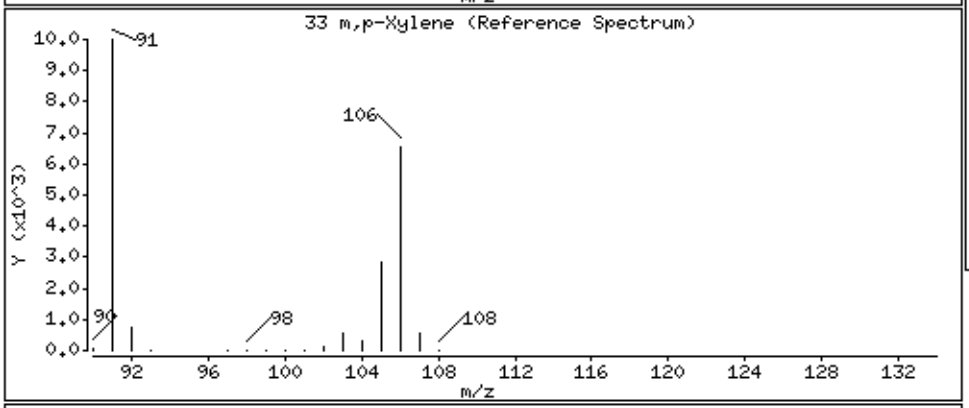
Concentration: 0.762070 ug

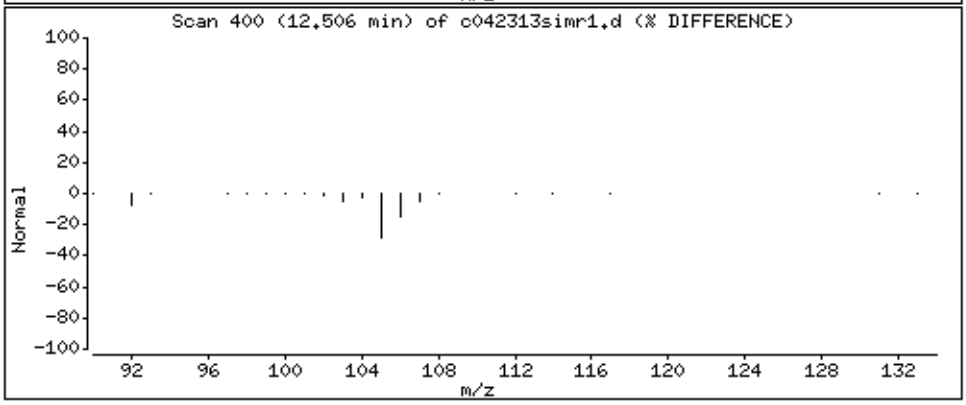












Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

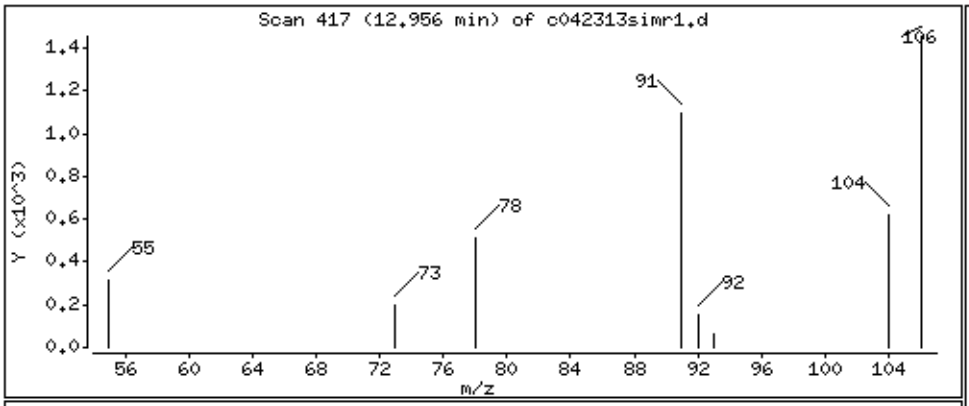
Operator: gm

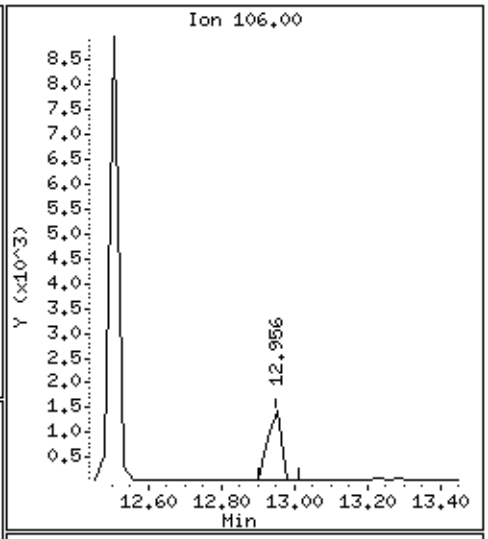
Column phase: DB-5.625

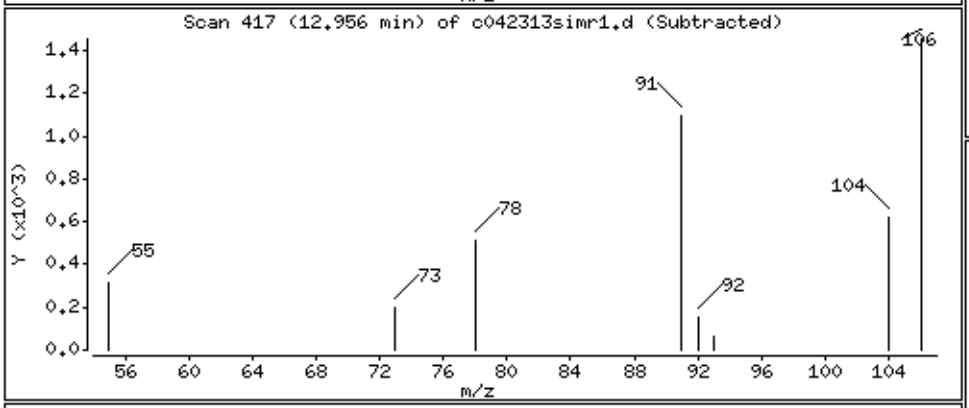
Column diameter: 0.25

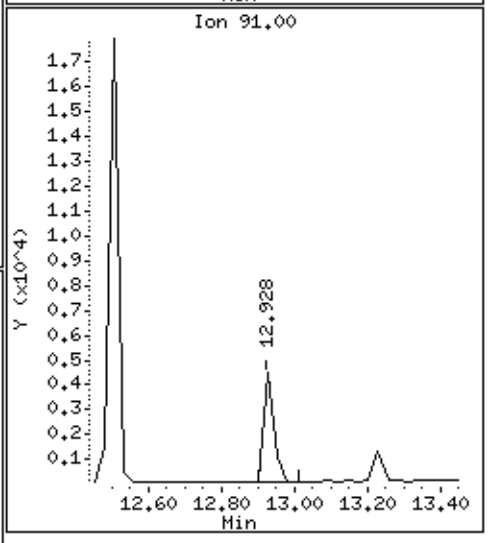
34 o-Xylene

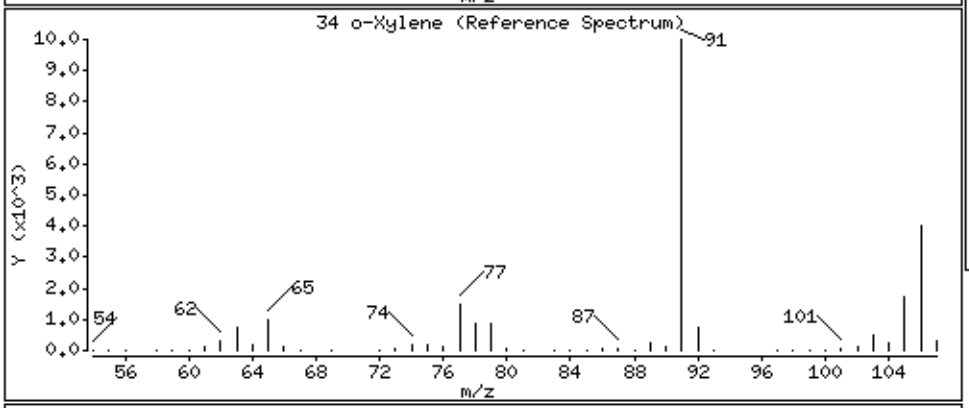
Concentration: 0.236315 ug

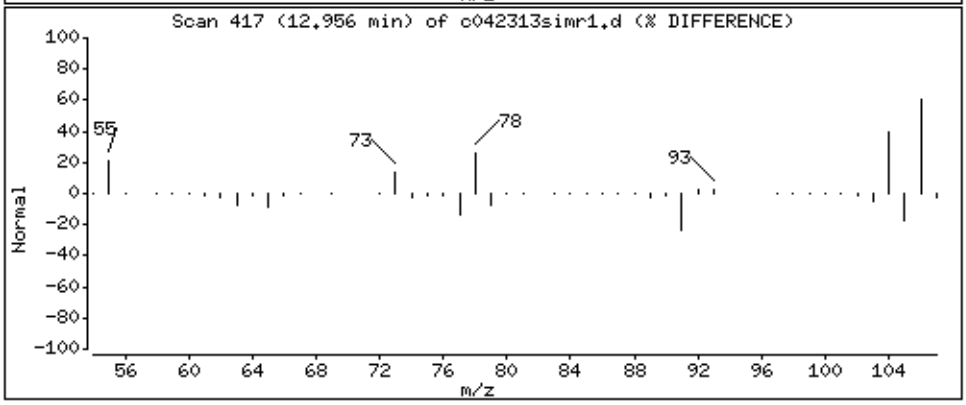












Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

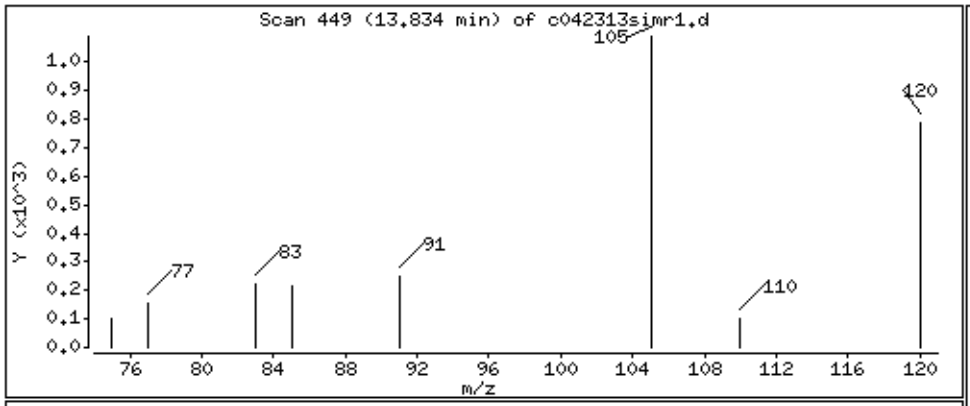
Operator: gm

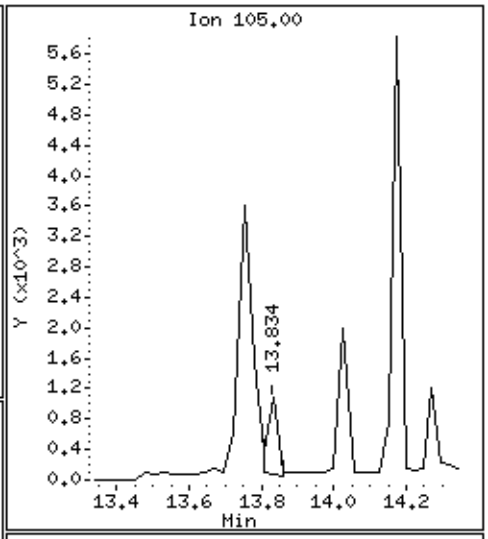
Column phase: DB-5.625

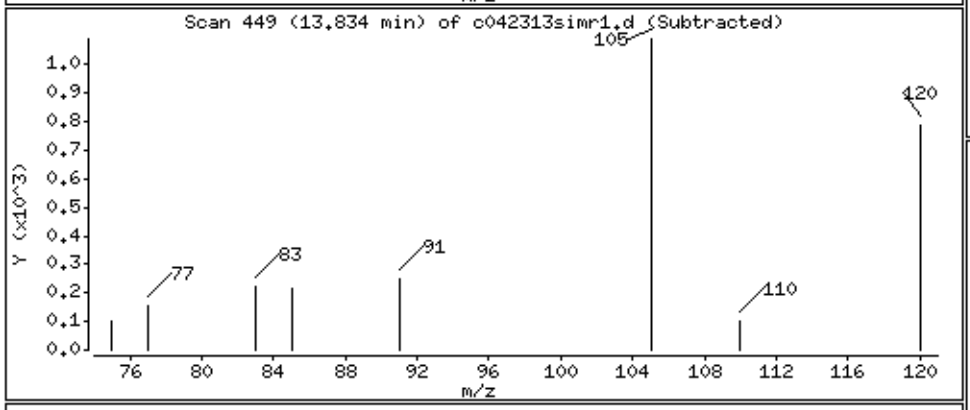
Column diameter: 0.25

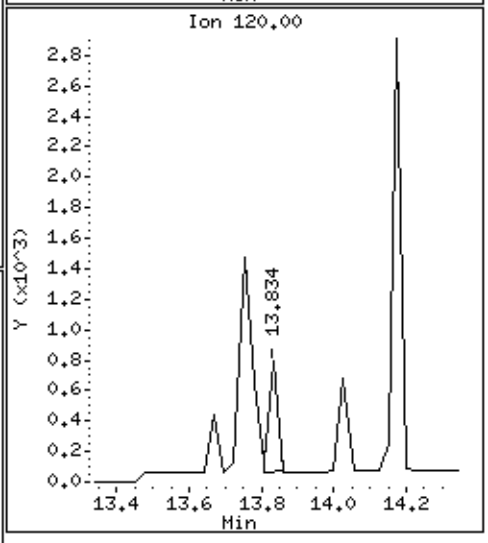
40 1,3,5-Trimethylbenzene

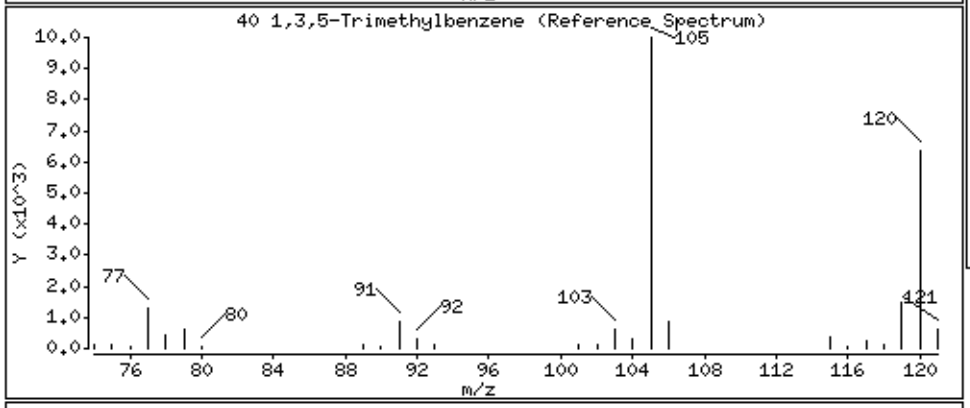
Concentration: 0.0613087 ug

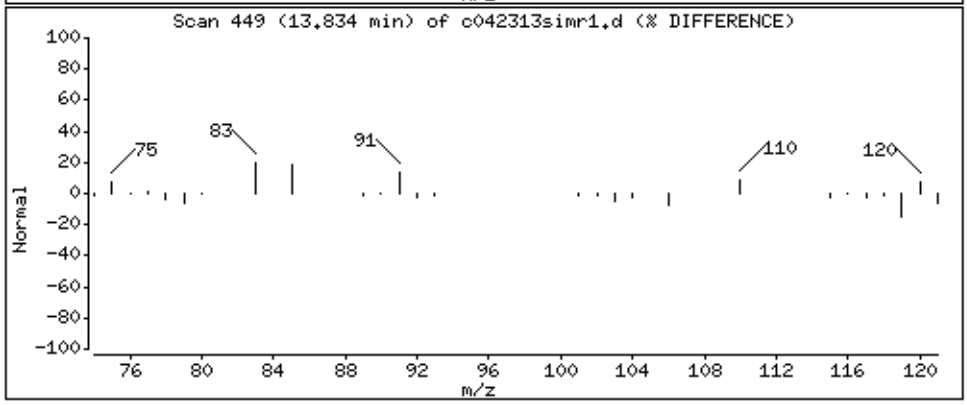












Data File: /chem/msdc.i/23Apr2015.b/c042313simr1.d

Date : 23-APR-2015 14:13

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-05A;

Volume Injected (uL): 1.0

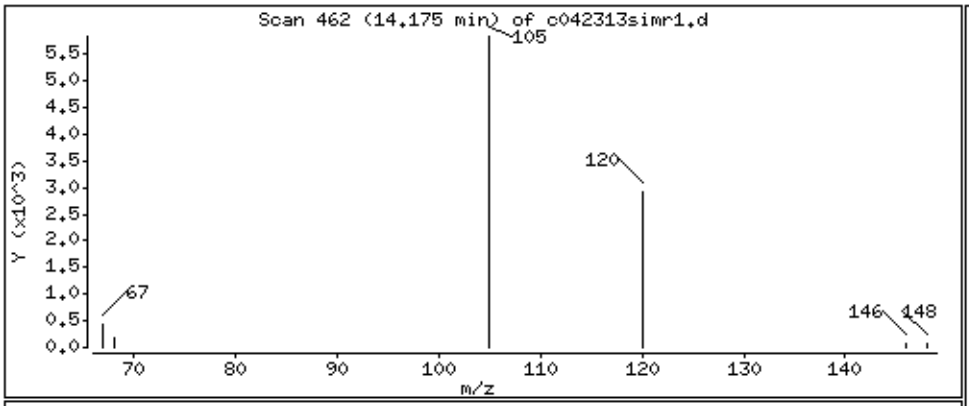
Operator: gm

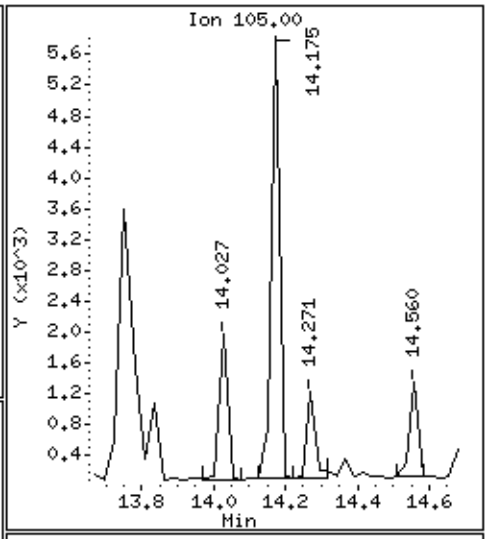
Column phase: DB-5.625

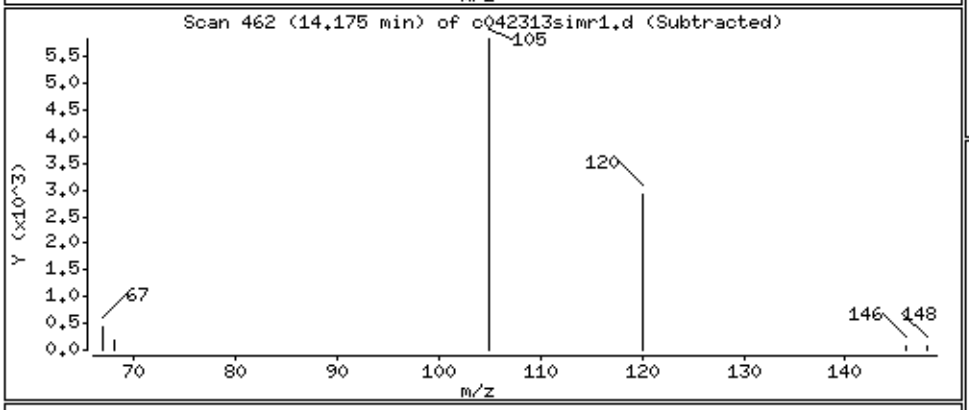
Column diameter: 0.25

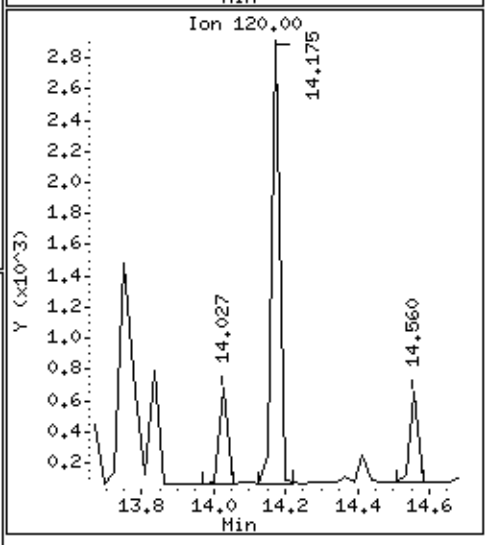
41 1,2,4-Trimethylbenzene

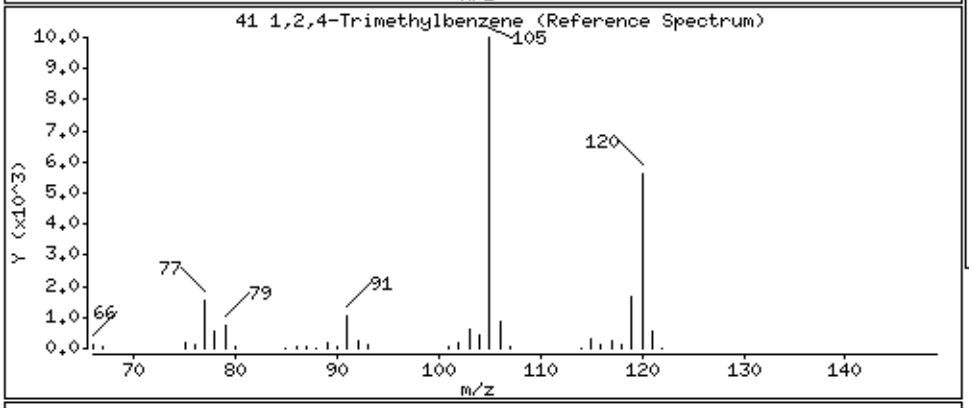
Concentration: 0.209287 ug

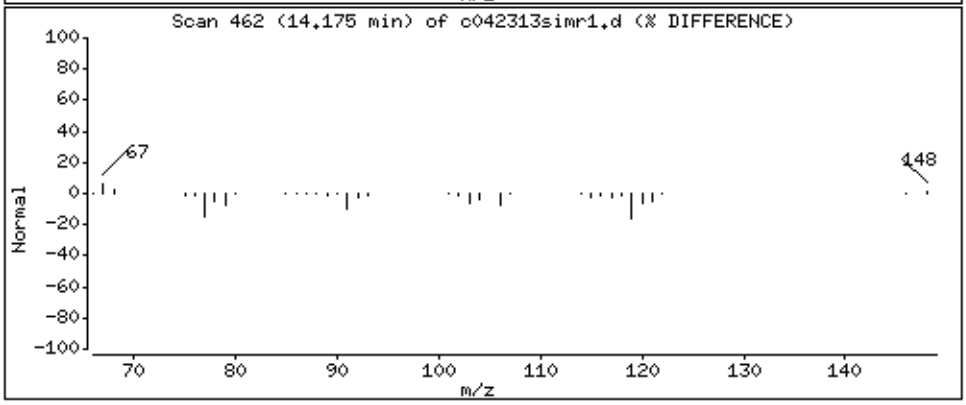












eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 5211-CS01-0415

Lab ID#: 1504309R2-06A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Benzene	0.40	0.48	0.72	0.86
1,2-Dichloroethane	0.10	0.12	0.044 J	0.054 J
Toluene	0.10	0.13	1.5	2.0
Tetrachloroethene	0.10	0.16	0.067 J	0.11 J
Ethyl Benzene	0.10	0.14	0.24	0.34
m,p-Xylene	0.10	0.14	0.81	1.1
o-Xylene	0.10	0.15	0.25	0.37
1,2,4-Trimethylbenzene	0.10	0.19	0.24	0.47
1,3,5-Trimethylbenzene	0.10	0.18	0.070 J	0.13 J

eurofins | Air Toxics

Client Sample ID: 5211-CS01-0415

Lab ID#: 1504309R2-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042314simr2**	**Date of Collection: 4/17/15 9:17:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 02:38 PM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	0.72	0.86
1,2-Dichloroethane	0.10	0.12	0.044 J	0.054 J
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Toluene	0.10	0.13	1.5	2.0
Tetrachloroethene	0.10	0.16	0.067 J	0.11 J
Ethyl Benzene	0.10	0.14	0.24	0.34
m,p-Xylene	0.10	0.14	0.81	1.1
o-Xylene	0.10	0.15	0.25	0.37
Naphthalene	0.10	0.38	Not Detected	Not Detected
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	0.24	0.47
1,3,5-Trimethylbenzene	0.10	0.18	0.070 CJ	0.13 CJ
Vinyl Chloride	0.40	0.43	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.6F , duration time = 10072 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	112	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042314simr2.d
Lab Smp Id: 1504309R2-06A
Inj Date : 23-APR-2015 14:38
Operator : gm Inst ID: msdc.i
Smp Info : ;1504309R2-06A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 26-Jun-2015 14:36 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2	Vinyl Chloride	62	Compound Not Detected.					
4	1,1-Dichloroethene-CCC	96	Compound Not Detected.					
8	trans-1,2-Dichloroethene	96	Compound Not Detected.					
11	1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
14	cis-1,2-Dichloroethene	96	Compound Not Detected.					
17	1,1,1-Trichloroethane	97	Compound Not Detected.					
19	Benzene	78	8.603	8.603	(0.783)	14810	0.35876	0.717528
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	413	0.02179	0.0435779(aM)
22	Trichloroethene	130	Compound Not Detected.					
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	220030	5.62380	11.2476
26	Toluene-CCC	92	10.728	10.728	(0.976)	25605	0.75764	1.51529
* 27	2-Fluorotoluene	109	10.993	10.993	(1.000)	237694	5.00000	
28	1,1,2-Trichloroethane	97	Compound Not Detected.					
29	Tetrachloroethene	164	11.331	11.331	(1.031)	523	0.03364	0.0672776(a)
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	2595	0.11941	0.238827
33	m,p-Xylene	106	12.506	12.506	(1.138)	12313	0.40491	0.809824

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	12.956	12.956	(1.178)	3010	0.12455	0.249098
40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	1902	0.03486	0.0697262(aM)
41 1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	8372	0.12168	0.243368
48 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042314simr2.d
Lab Smp Id: 1504309R2-06A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	237694	-26.76

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 13-Jul-2015 13:50

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504309R2-06A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	11.2476	112.48	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

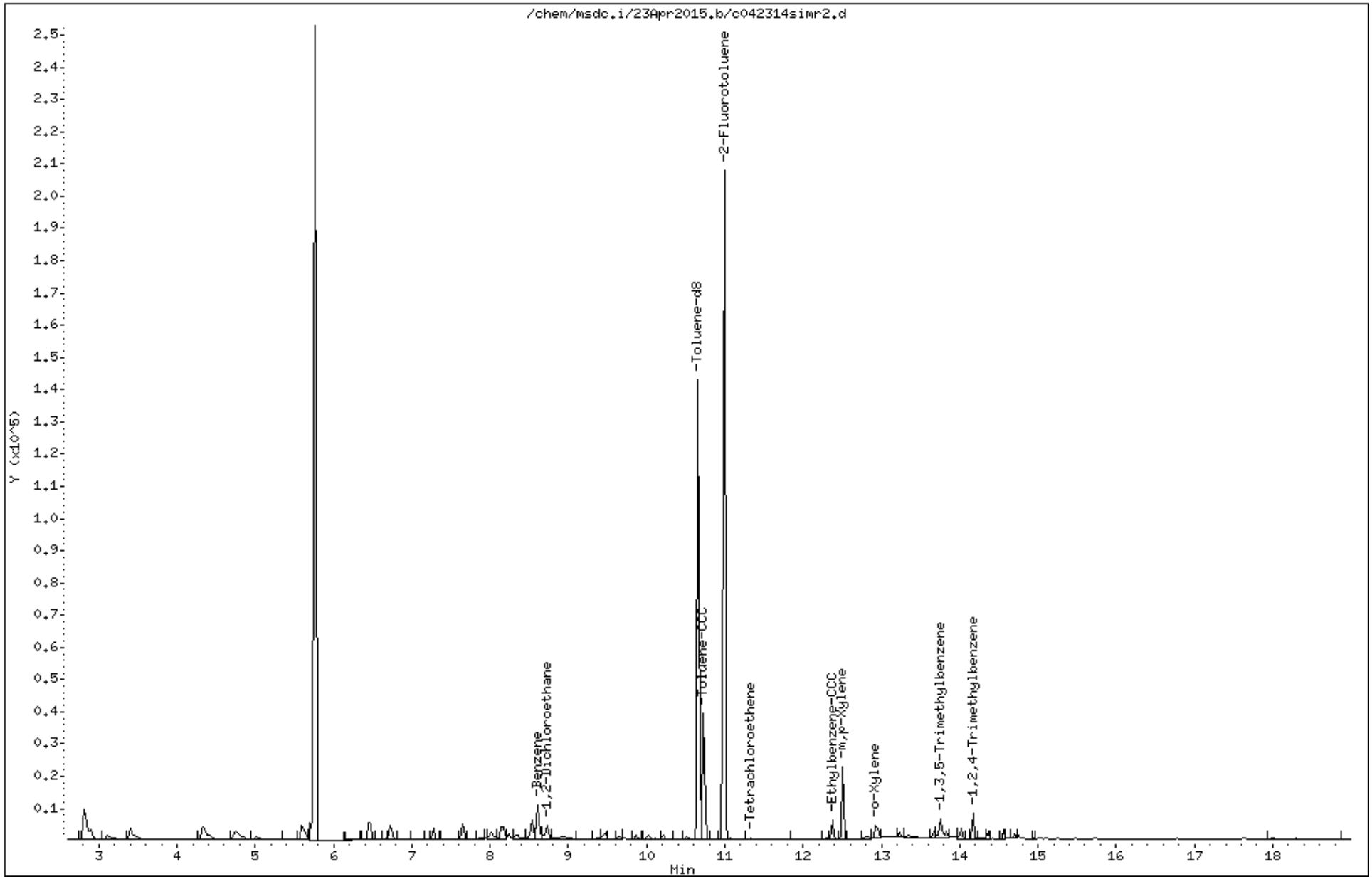
Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

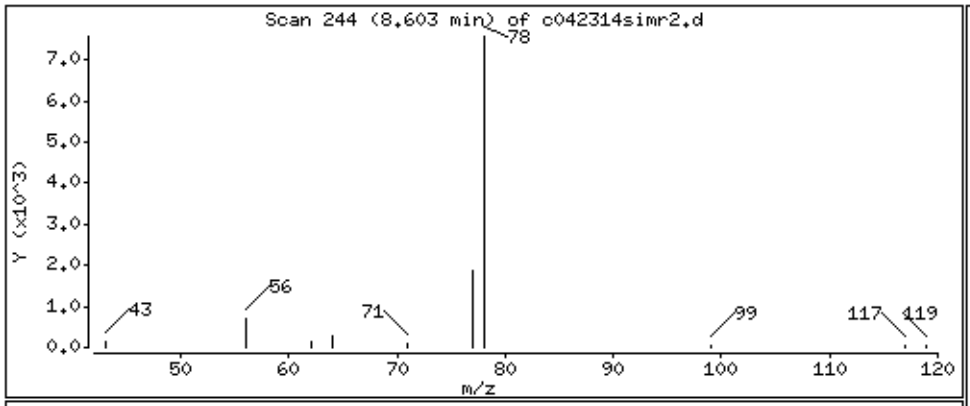
Operator: gm

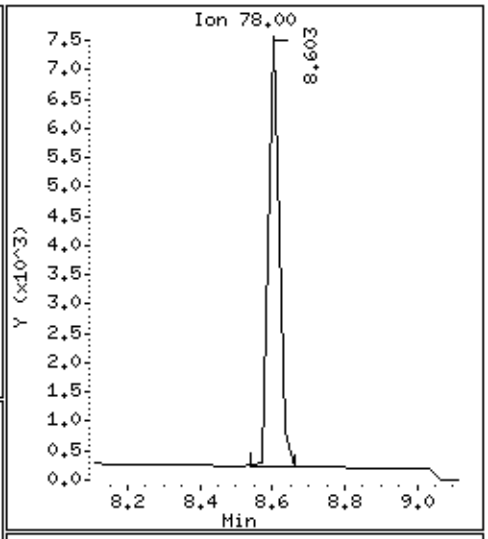
Column phase: DB-5.625

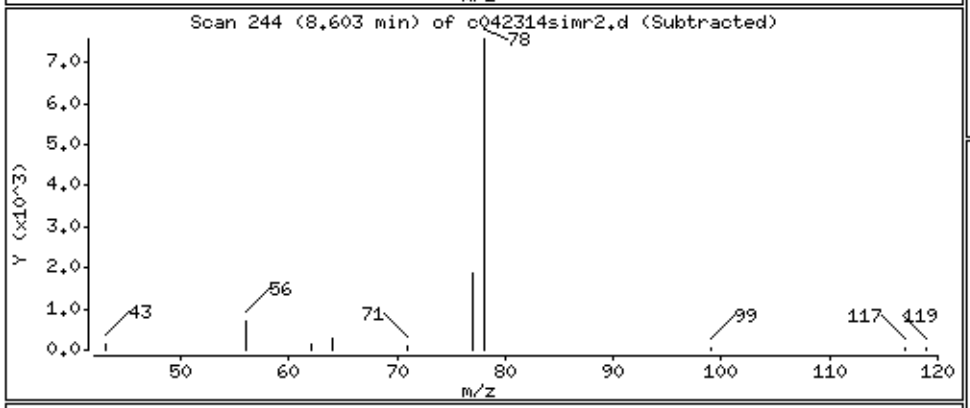
Column diameter: 0.25

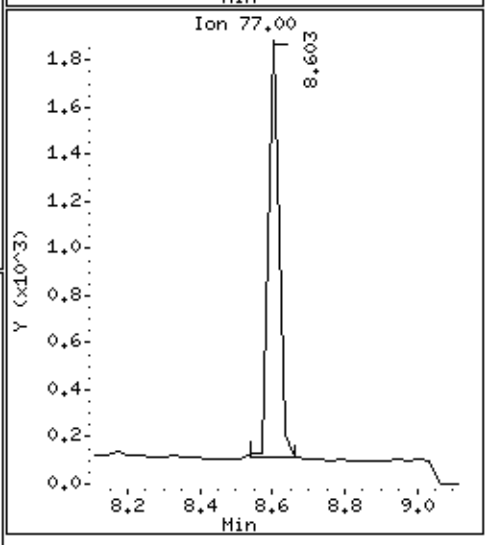
19 Benzene

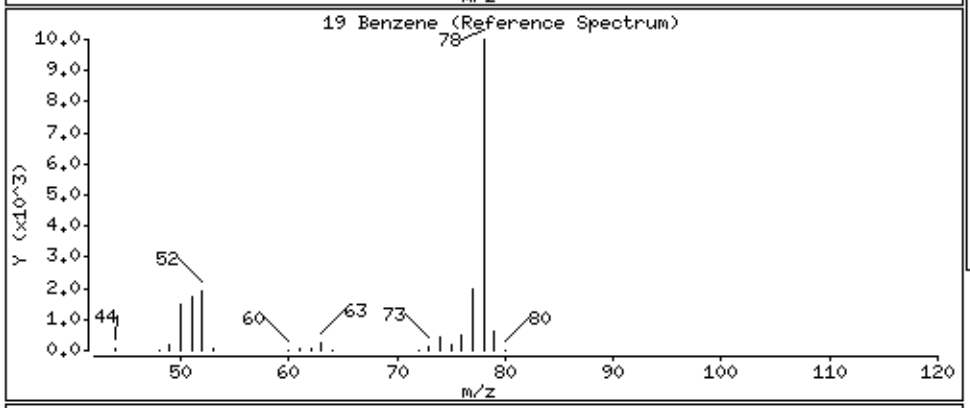
Concentration: 0.717528 ug

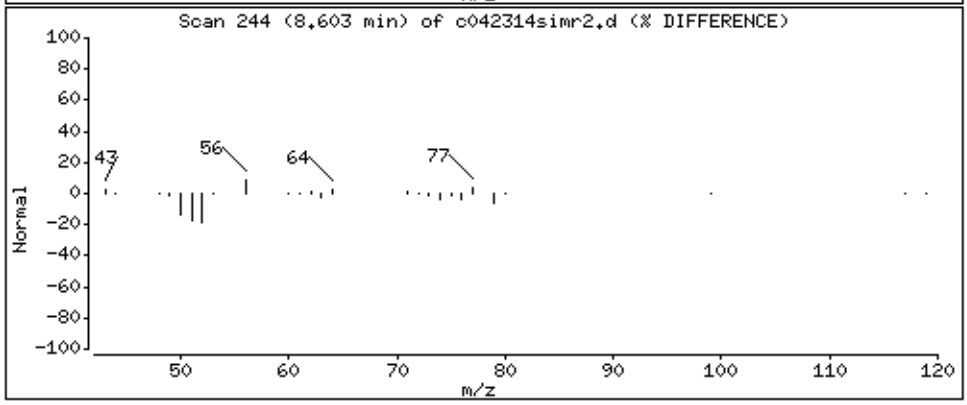












Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

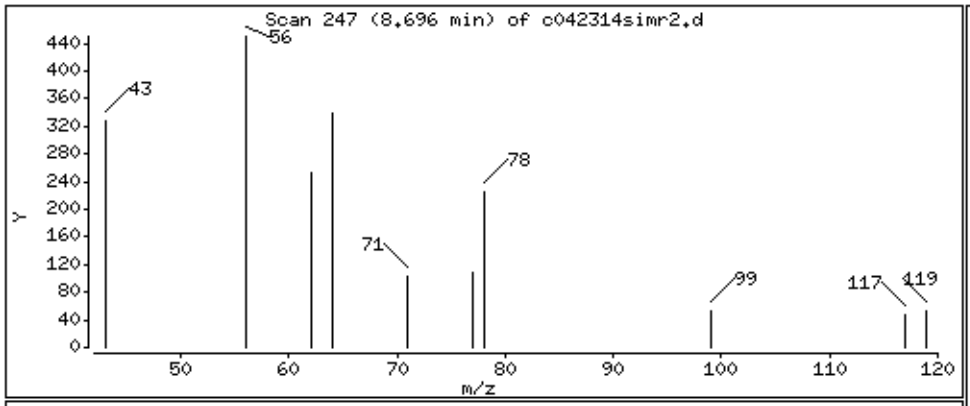
Operator: gm

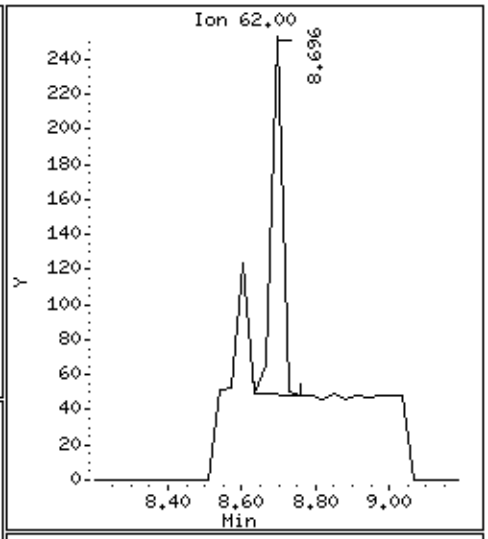
Column phase: DB-5.625

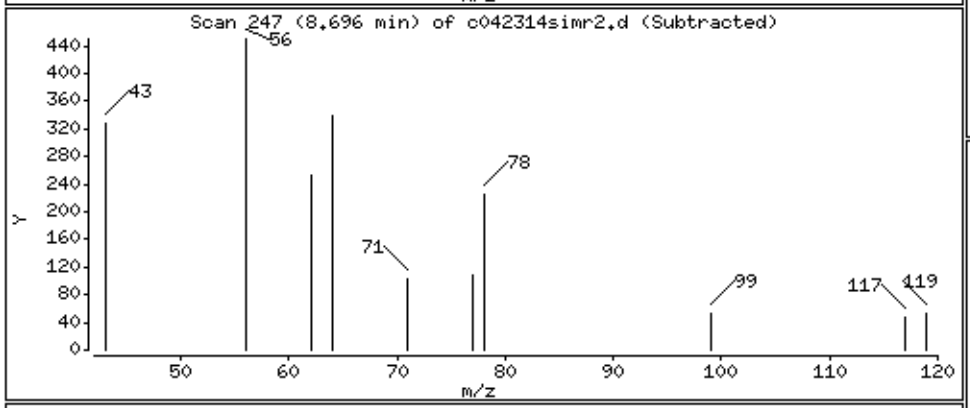
Column diameter: 0.25

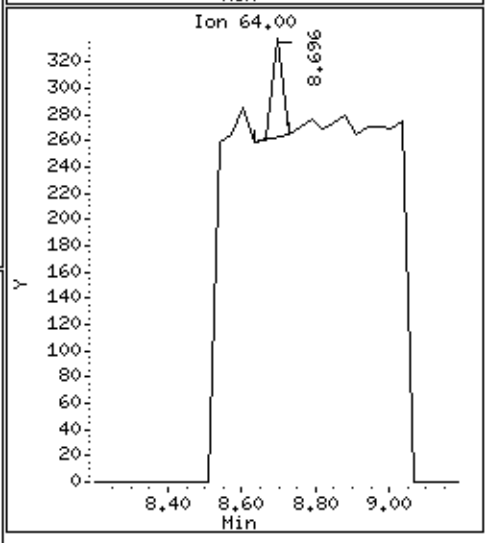
20 1,2-Dichloroethane

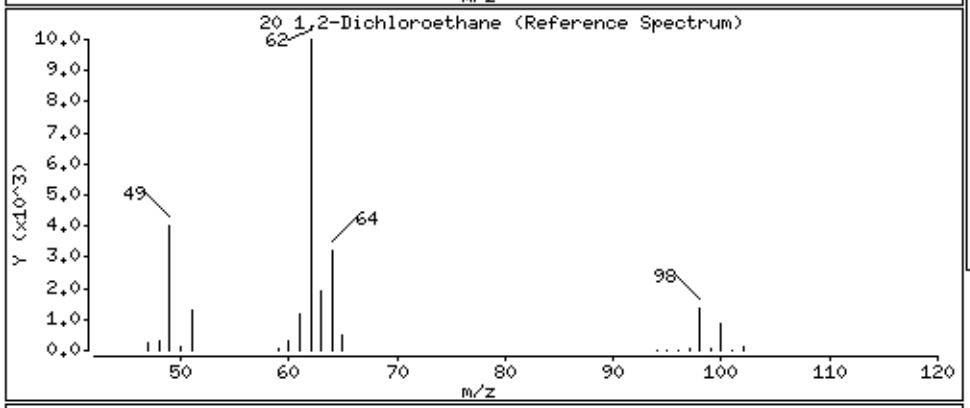
Concentration: 0.0435779 ug

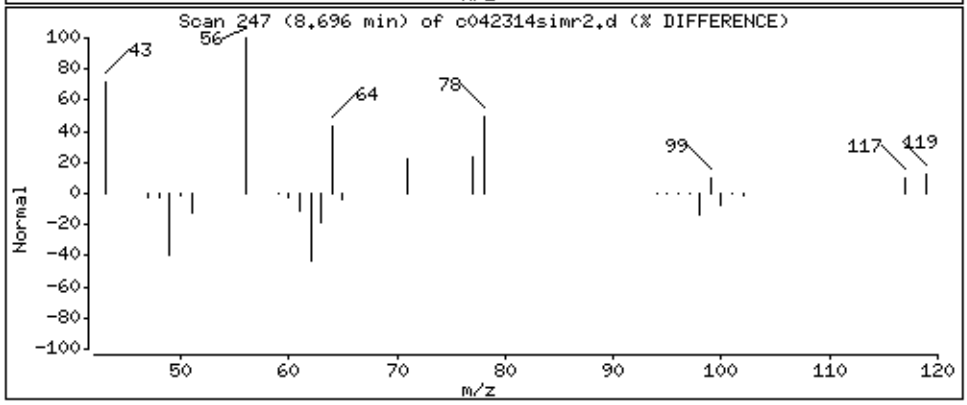












Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

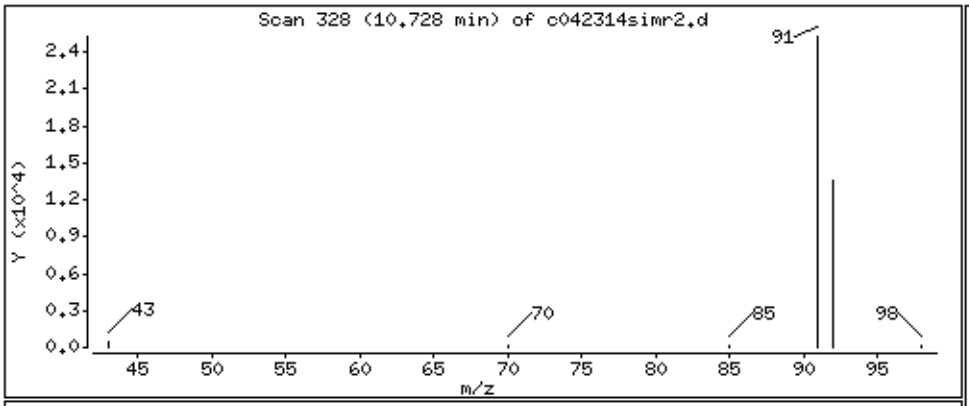
Operator: gm

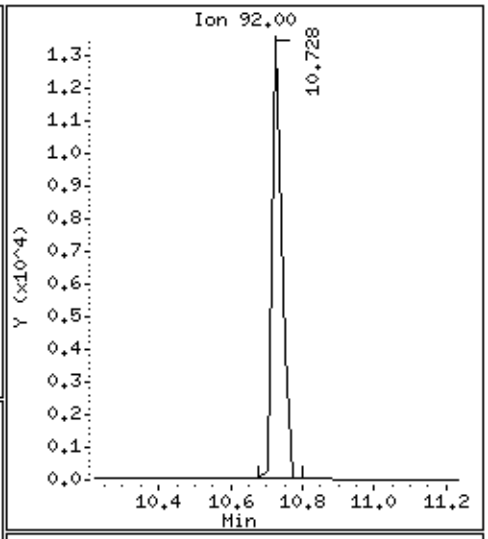
Column phase: DB-5.625

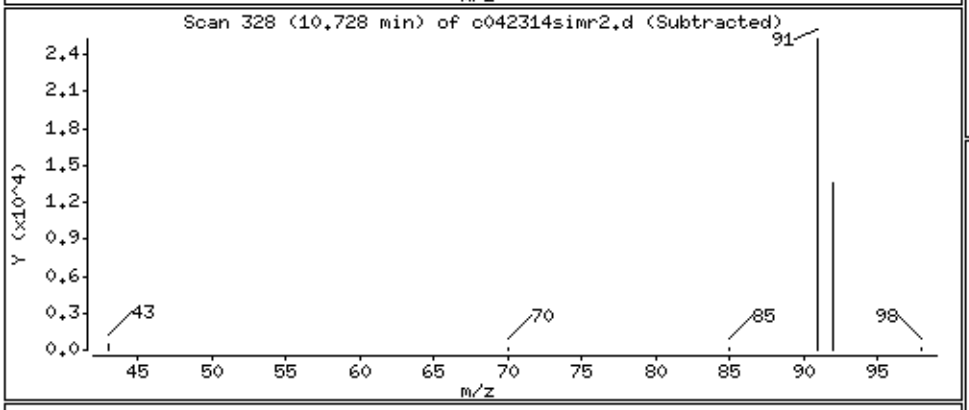
Column diameter: 0.25

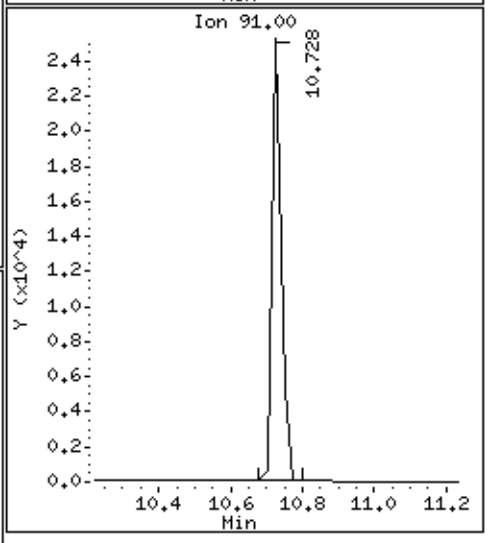
26 Toluene-CCC

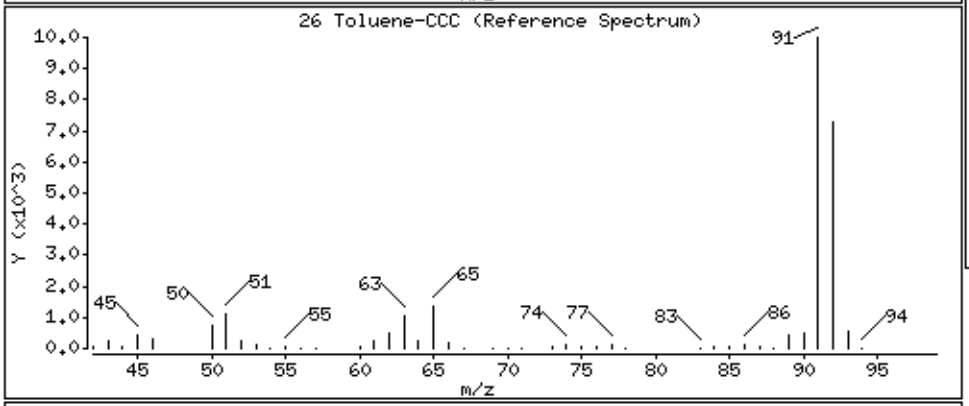
Concentration: 1.51529 ug

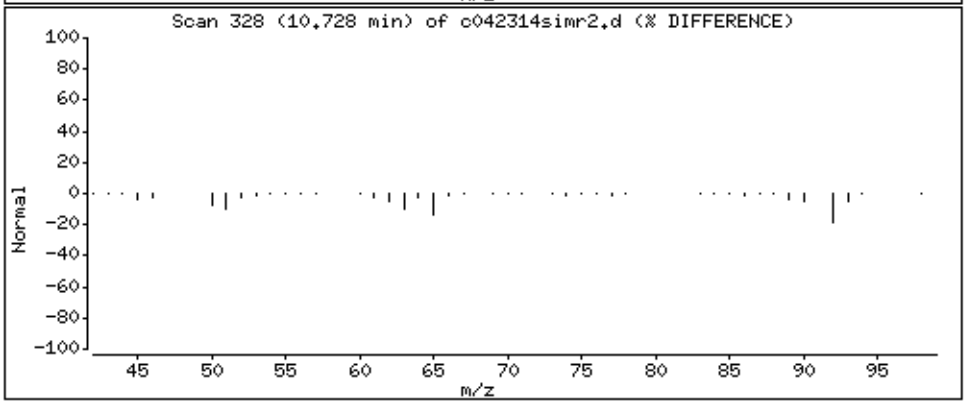












Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

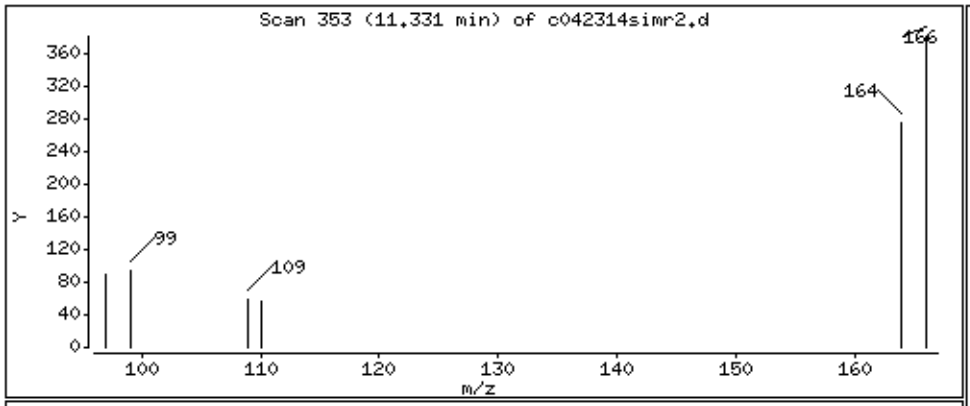
Operator: gm

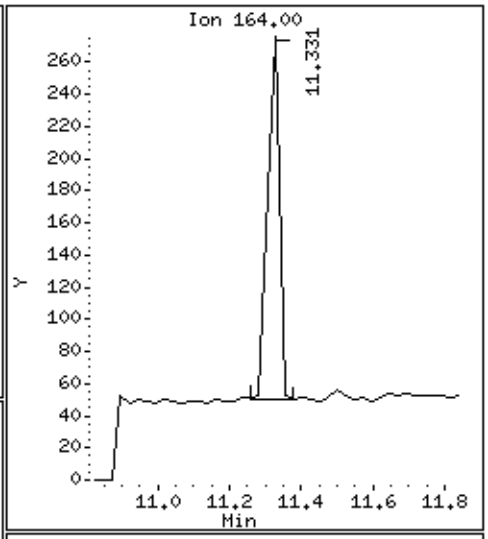
Column phase: DB-5.625

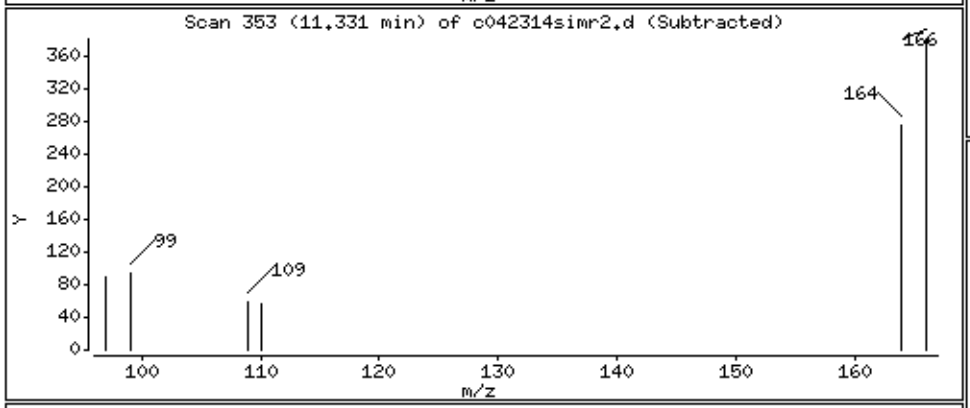
Column diameter: 0.25

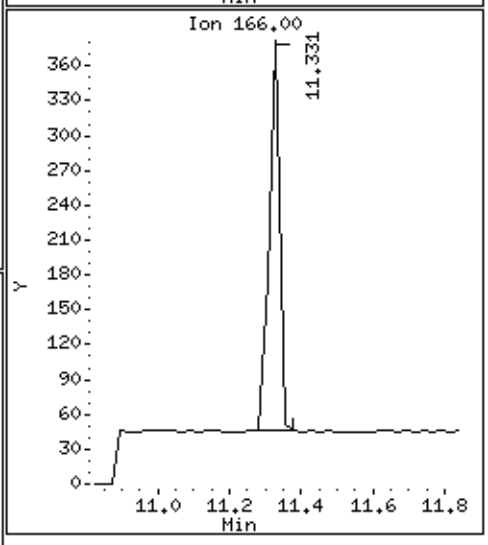
29 Tetrachloroethene

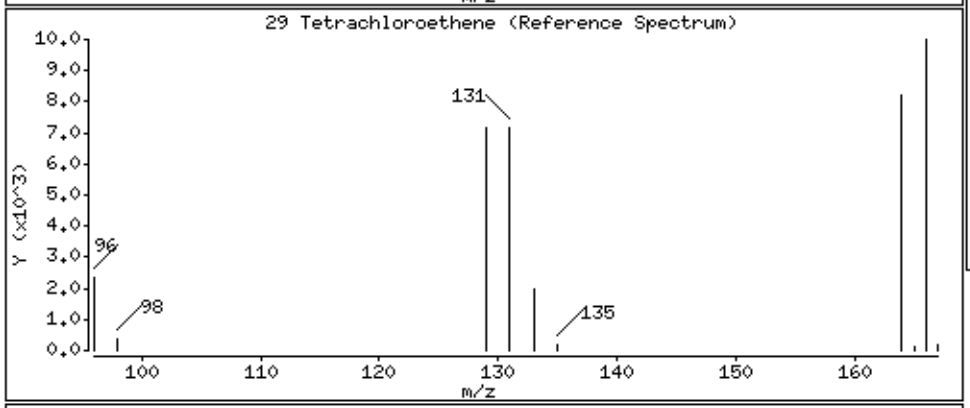
Concentration: 0.0672776 ug

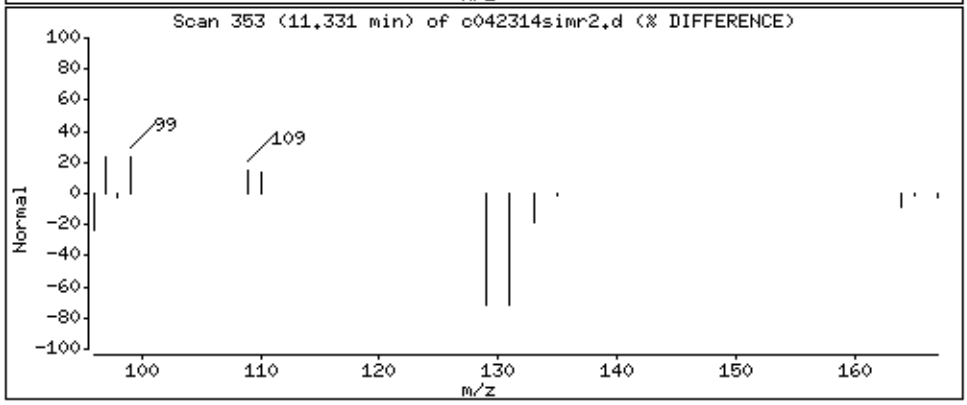












Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

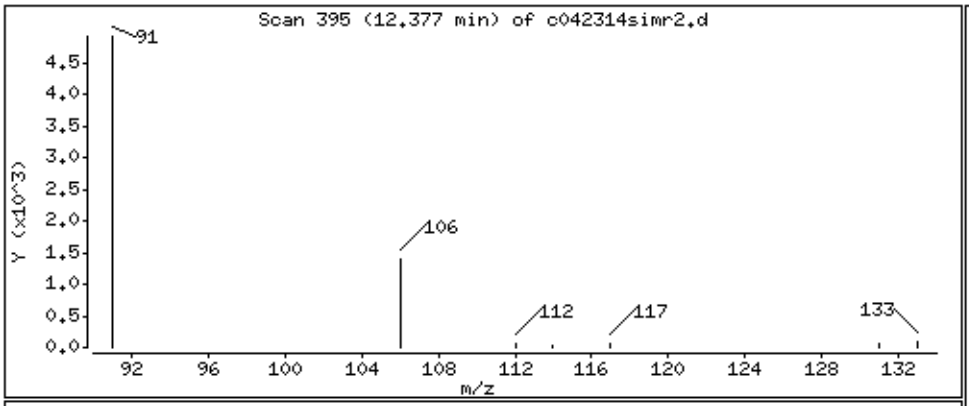
Operator: gm

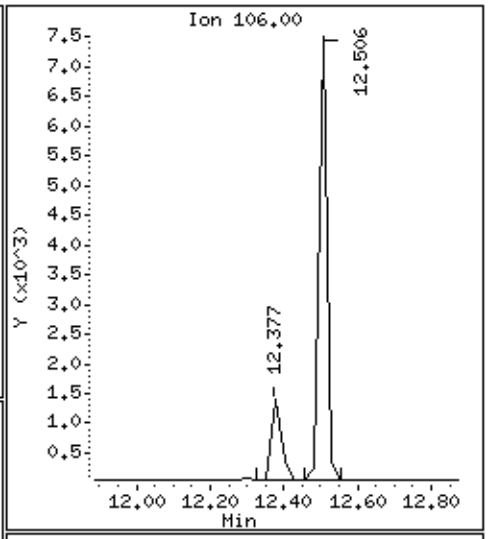
Column phase: DB-5.625

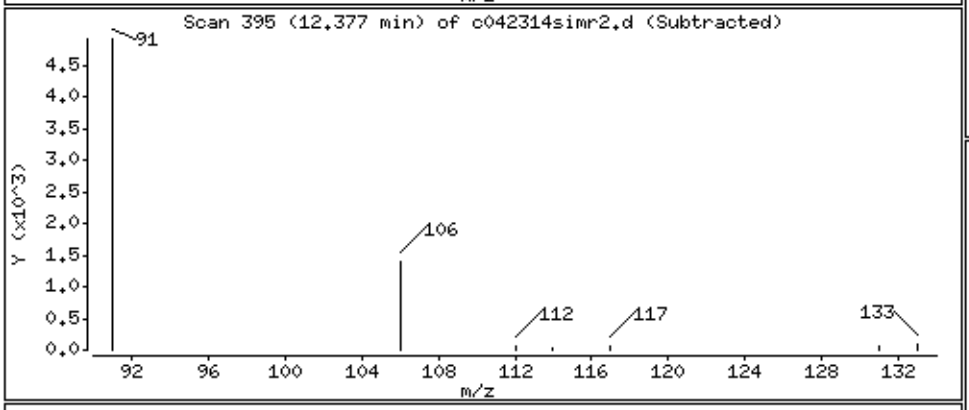
Column diameter: 0.25

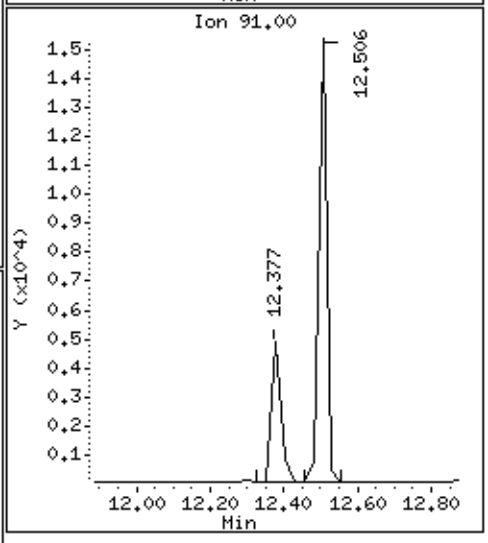
31 Ethylbenzene-CCC

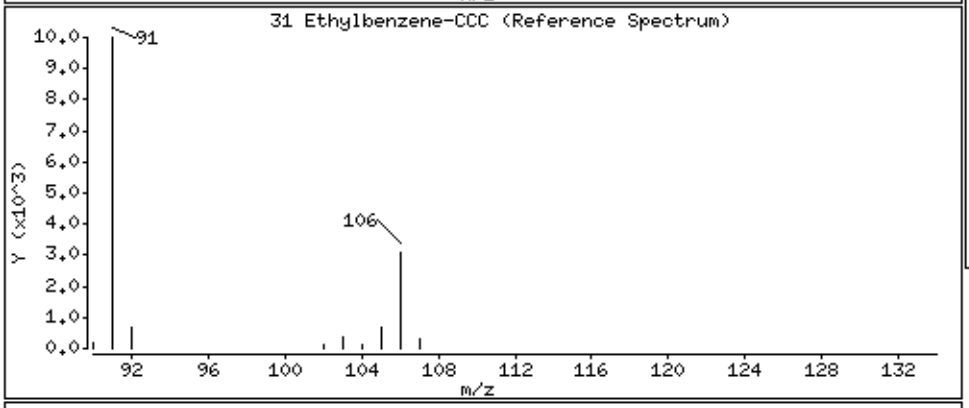
Concentration: 0.238827 ug

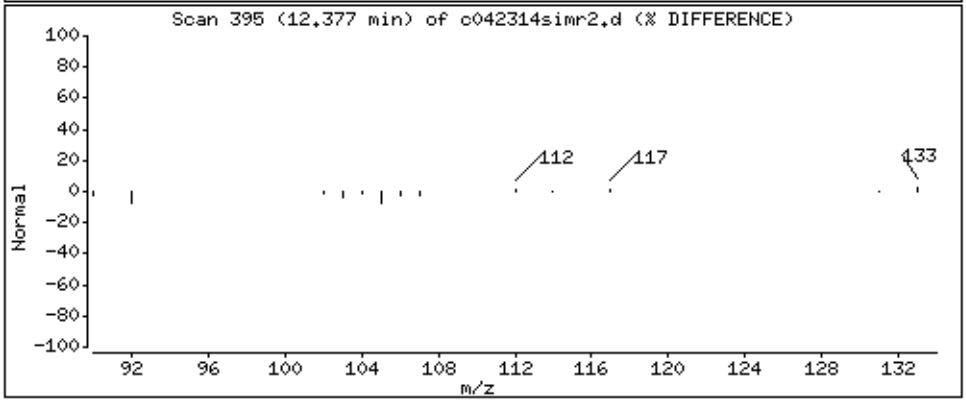












Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

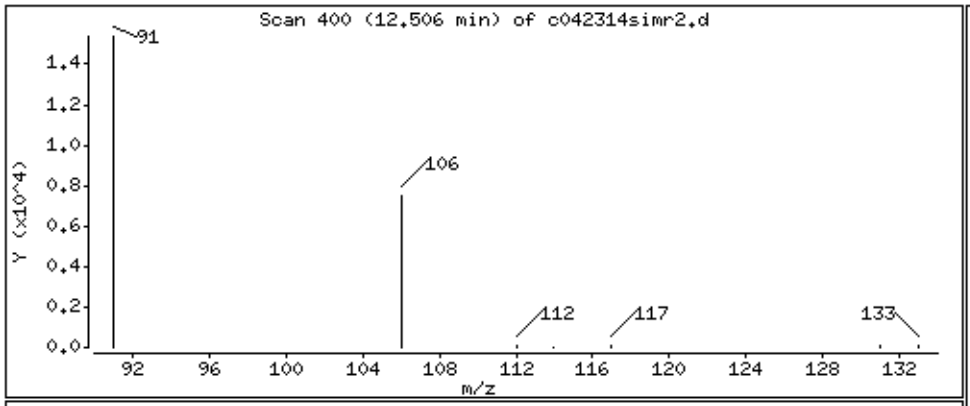
Operator: gm

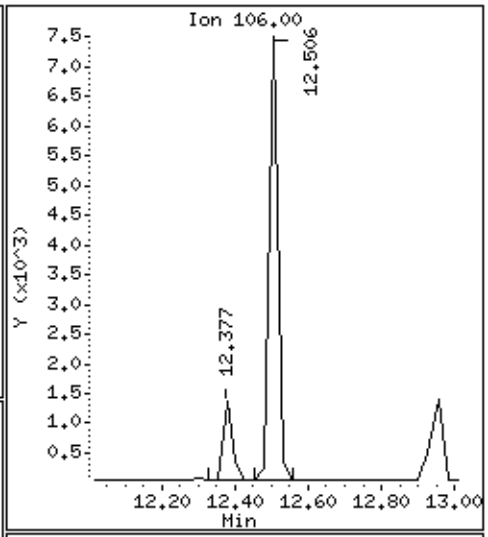
Column phase: DB-5.625

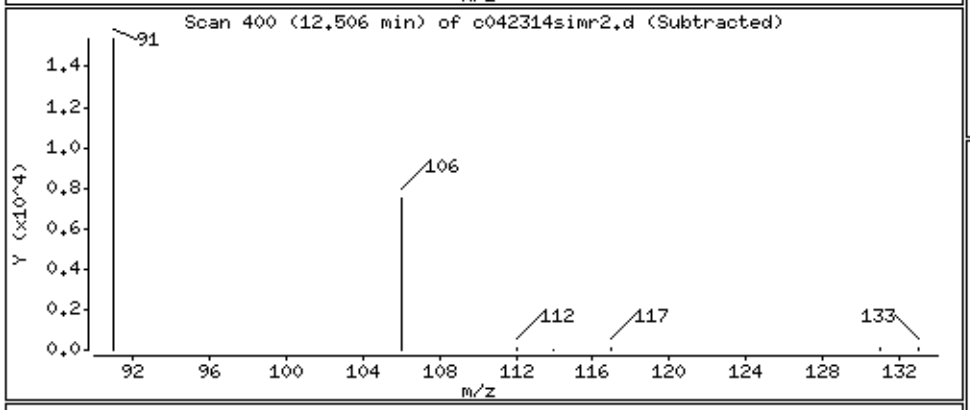
Column diameter: 0.25

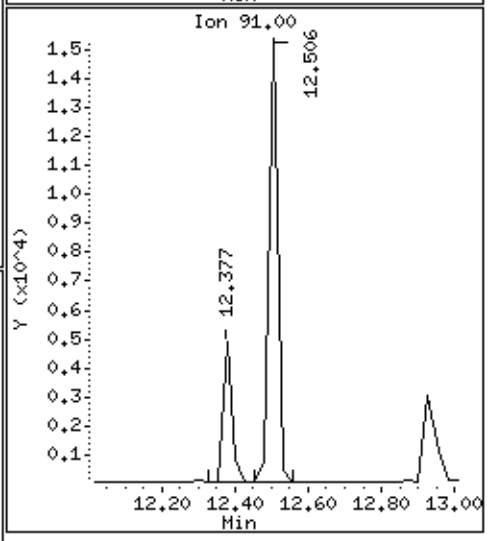
33 m,p-Xylene

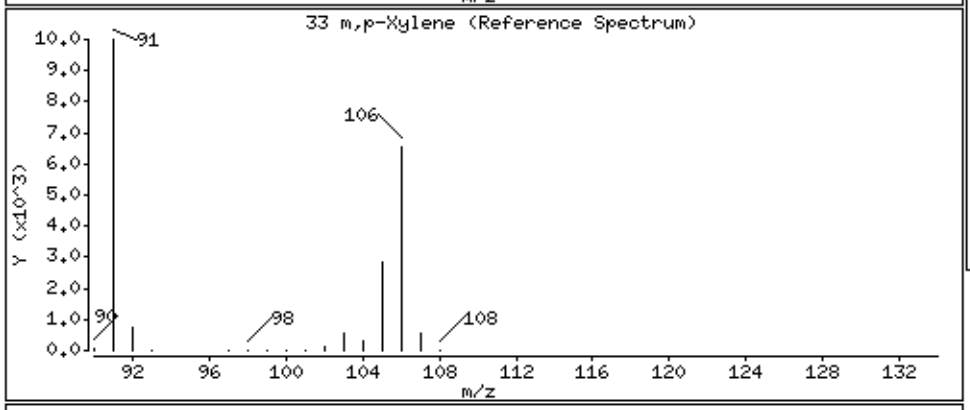
Concentration: 0.809824 ug

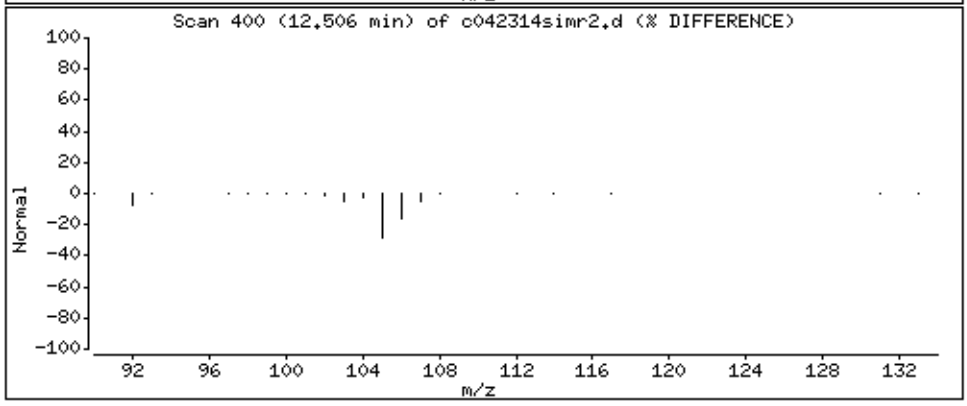












Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

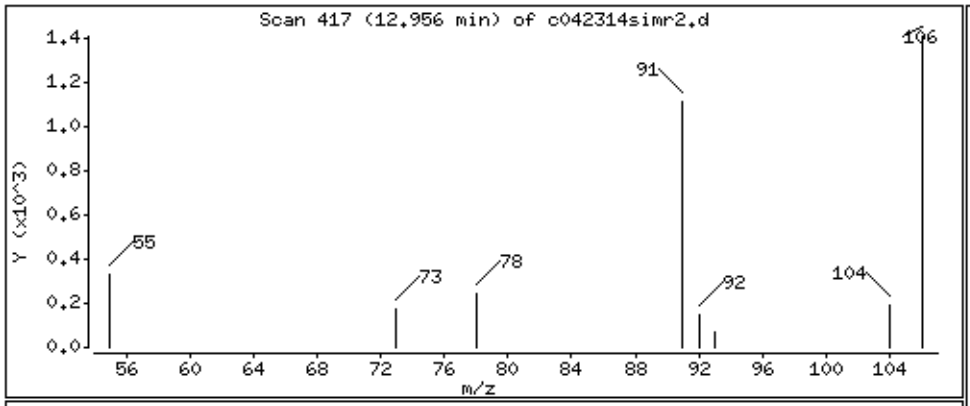
Operator: gm

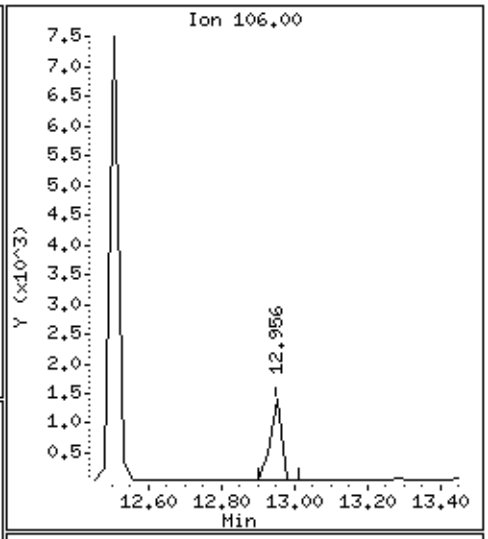
Column phase: DB-5.625

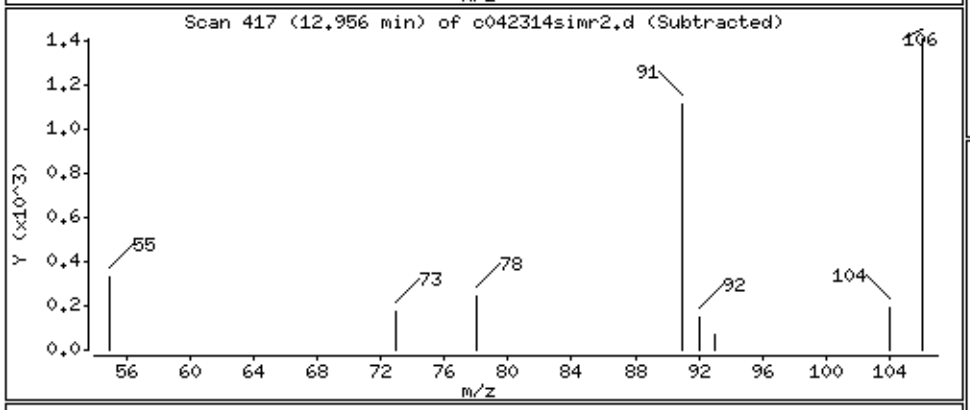
Column diameter: 0.25

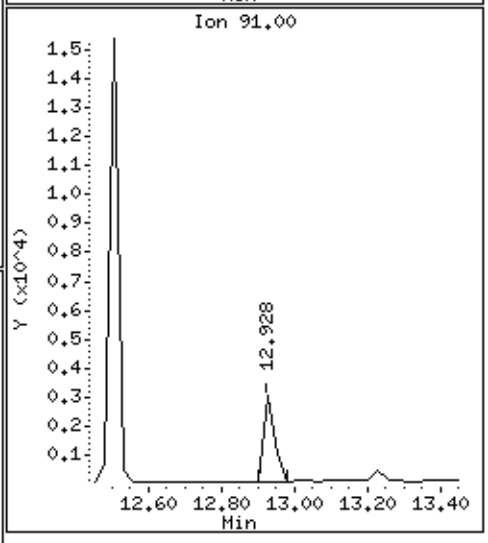
34 o-Xylene

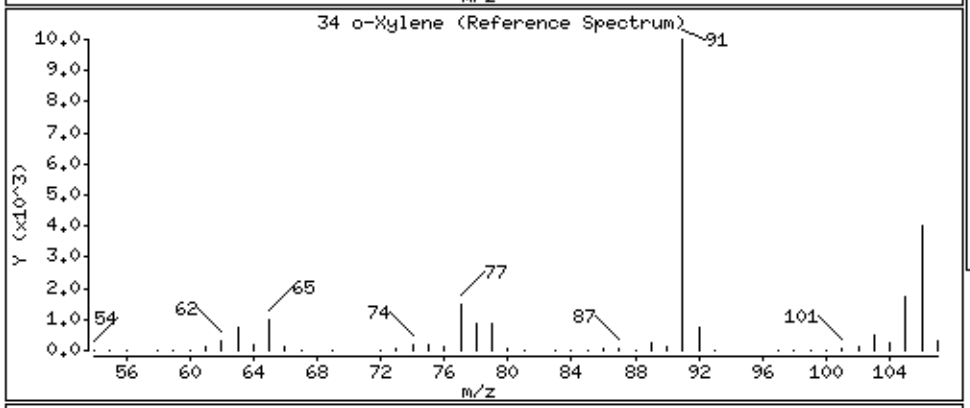
Concentration: 0.249098 ug

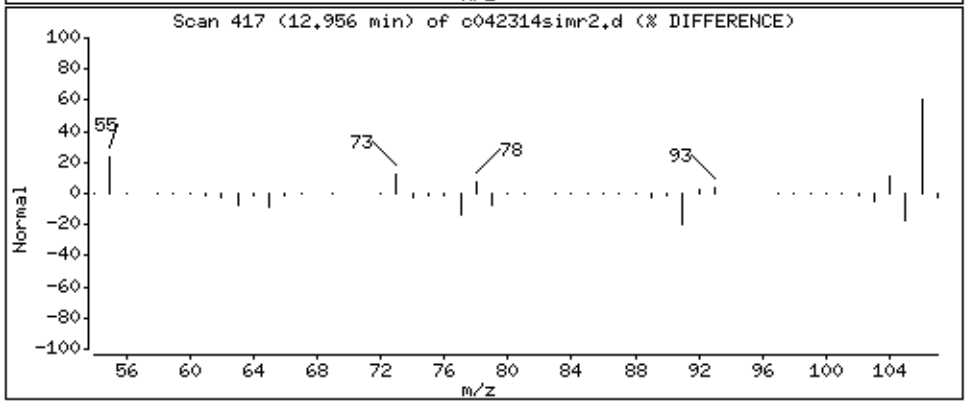












Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

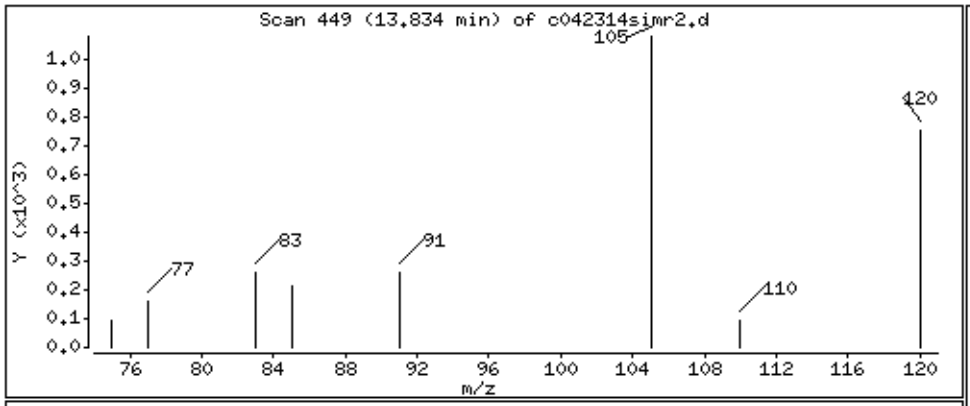
Operator: gm

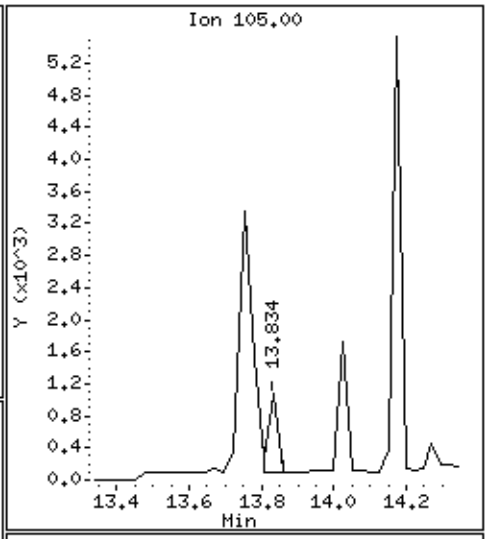
Column phase: DB-5.625

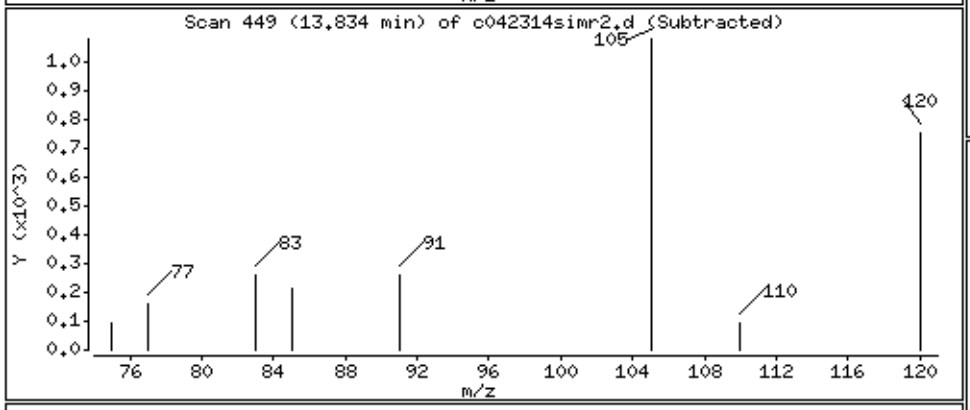
Column diameter: 0.25

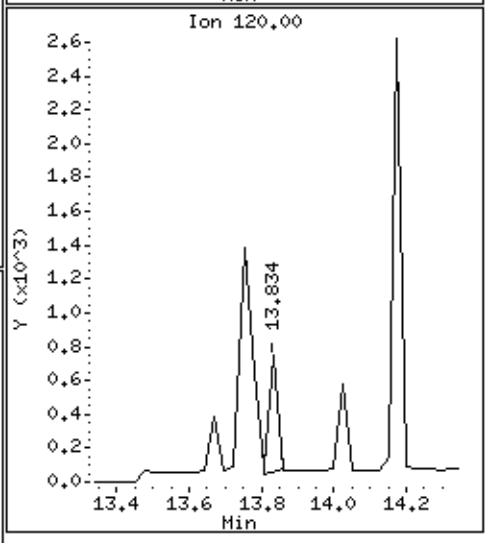
40 1,3,5-Trimethylbenzene

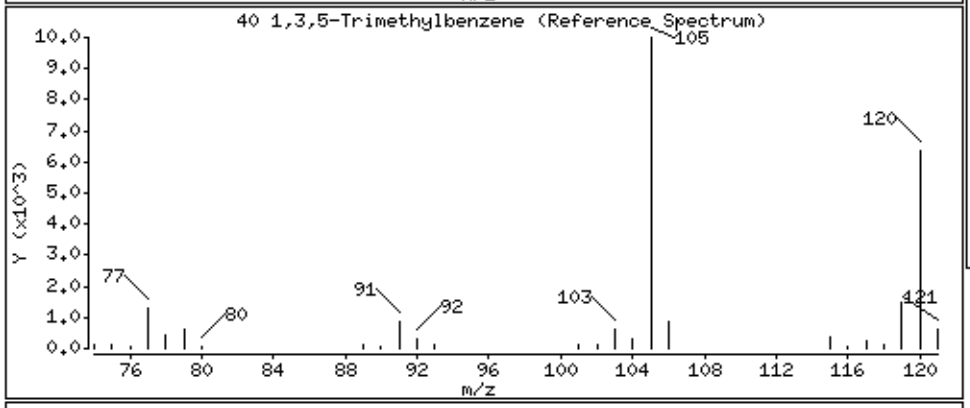
Concentration: 0.0697262 ug

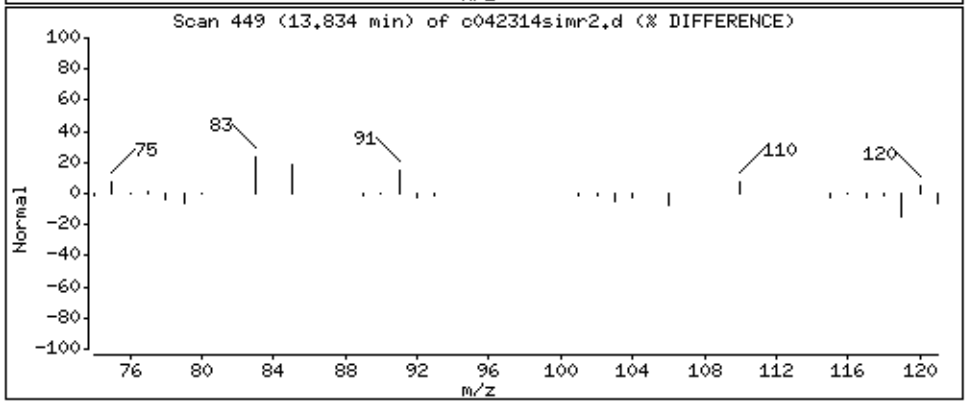












Data File: /chem/msdc.i/23Apr2015.b/c042314simr2.d

Date : 23-APR-2015 14:38

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-06A;

Volume Injected (uL): 1.0

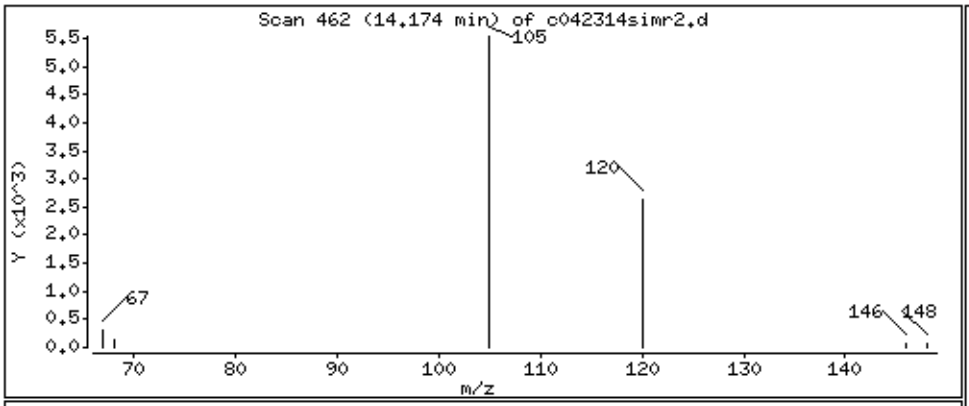
Operator: gm

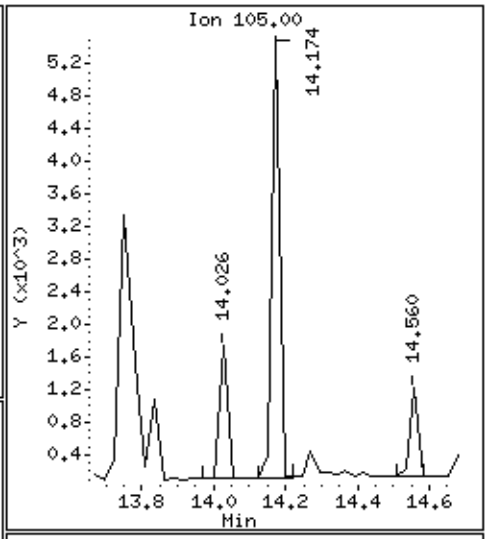
Column phase: DB-5.625

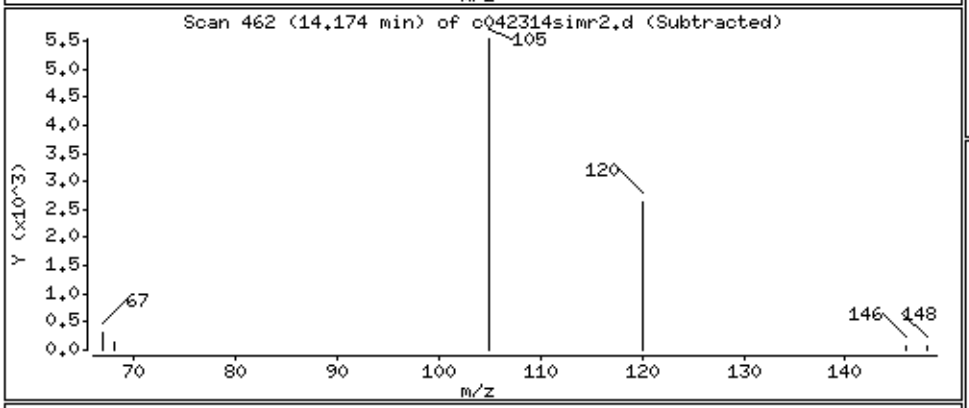
Column diameter: 0.25

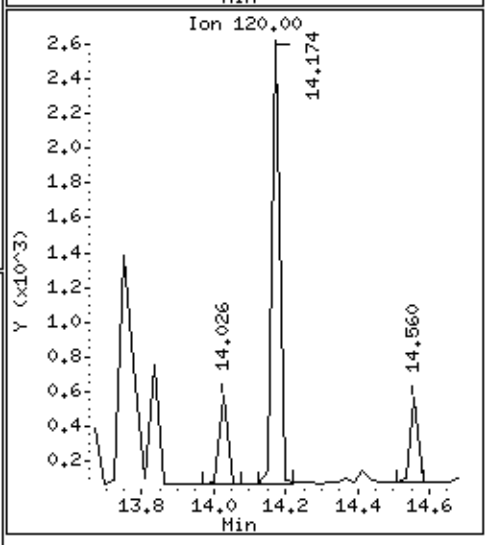
41 1,2,4-Trimethylbenzene

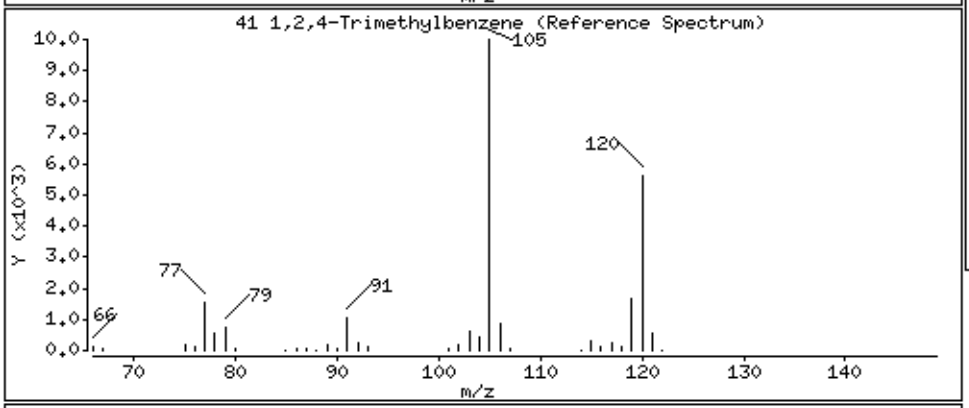
Concentration: 0.243368 ug

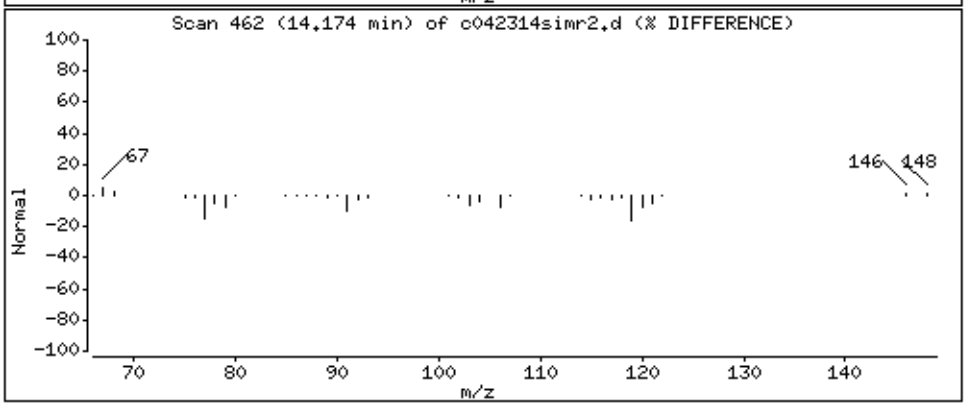












eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 5234-IA01-0415

Lab ID#: 1504309R2-07A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Benzene	0.40	0.48	0.62	0.75
1,2-Dichloroethane	0.10	0.12	0.062 J	0.077 J
Trichloroethene	0.10	0.14	0.036 J	0.050 J
Toluene	0.10	0.13	1.6	2.0
Tetrachloroethene	0.10	0.16	0.058 J	0.094 J
Ethyl Benzene	0.10	0.14	0.22	0.30
m,p-Xylene	0.10	0.14	0.74	1.0
o-Xylene	0.10	0.15	0.24	0.36
1,2,4-Trimethylbenzene	0.10	0.19	0.21	0.41
1,3,5-Trimethylbenzene	0.10	0.18	0.057 CJ	0.10 CJ

eurofins | Air Toxics

Client Sample ID: 5234-IA01-0415

Lab ID#: 1504309R2-07A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042315simr1**	**Date of Collection: 4/17/15 10:10:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 03:02 PM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	0.62	0.75
1,2-Dichloroethane	0.10	0.12	0.062 J	0.077 J
Trichloroethene	0.10	0.14	0.036 J	0.050 J
Toluene	0.10	0.13	1.6	2.0
Tetrachloroethene	0.10	0.16	0.058 J	0.094 J
Ethyl Benzene	0.10	0.14	0.22	0.30
m,p-Xylene	0.10	0.14	0.74	1.0
o-Xylene	0.10	0.15	0.24	0.36
Naphthalene	0.10	0.38	Not Detected	Not Detected
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	0.21	0.41
1,3,5-Trimethylbenzene	0.10	0.18	0.057 CJ	0.10 CJ
Vinyl Chloride	0.40	0.43	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.8F , duration time = 10065 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	112	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042315simr1.d
Lab Smp Id: 1504309R1-07A
Inj Date : 23-APR-2015 15:02
Operator : gm Inst ID: msdc.i
Smp Info : ;1504309R1-07A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 10-May-2015 12:15 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2	Vinyl Chloride	62	Compound Not Detected.					
4	1,1-Dichloroethene-CCC	96	Compound Not Detected.					
8	trans-1,2-Dichloroethene	96	Compound Not Detected.					
11	1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
14	cis-1,2-Dichloroethene	96	Compound Not Detected.					
17	1,1,1-Trichloroethane	97	Compound Not Detected.					
19	Benzene	78	8.603	8.603	(0.783)	15410	0.31286	0.625720
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	700	0.03093	0.0618564(a)
22	Trichloroethene	130	9.331	9.331	(0.849)	292	0.01796	0.0359161(a)
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	261068	5.59236	11.1847
26	Toluene-CCC	92	10.729	10.728	(0.976)	31506	0.78132	1.56263
* 27	2-Fluorotoluene	109	10.994	10.993	(1.000)	283612	5.00000	
28	1,1,2-Trichloroethane	97	Compound Not Detected.					
29	Tetrachloroethene	164	11.331	11.331	(1.031)	538	0.02900	0.0580023(a)
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	2797	0.10787	0.215741
33	m,p-Xylene	106	12.506	12.506	(1.138)	13396	0.36920	0.738407

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	12.956	12.956	(1.178)	3513	0.12183	0.243656
40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	1864	0.02865	0.0572995(aM)
41 1,2,4-Trimethylbenzene	105	14.175	14.174	(1.289)	8702	0.10600	0.212006
48 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 10-May-2015 12:27

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042315simr1.d
Lab Smp Id: 1504309R1-07A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	283612	-12.61

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 10-May-2015 12:27

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504309R1-07A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	11.1847	111.85	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

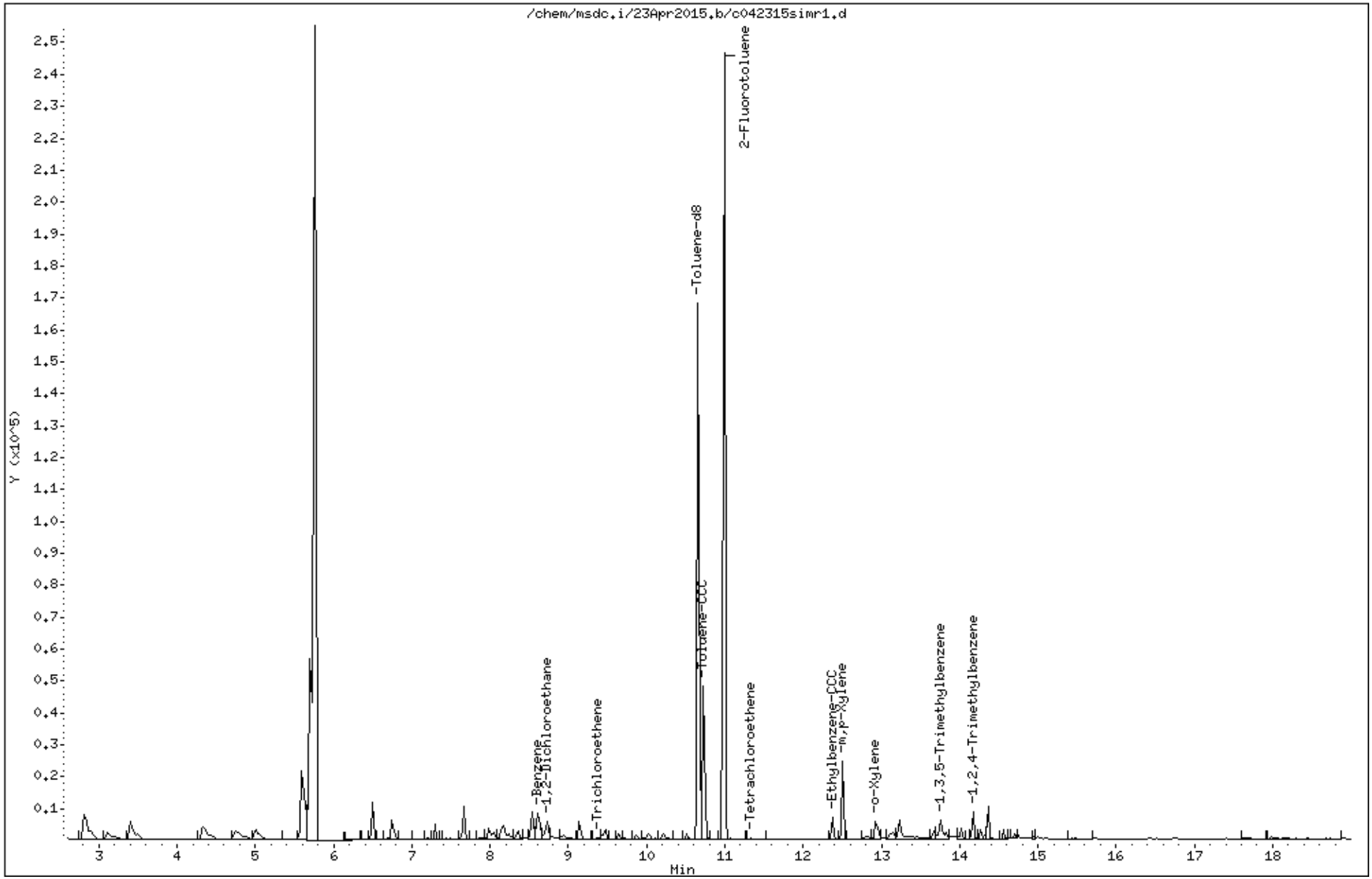
Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

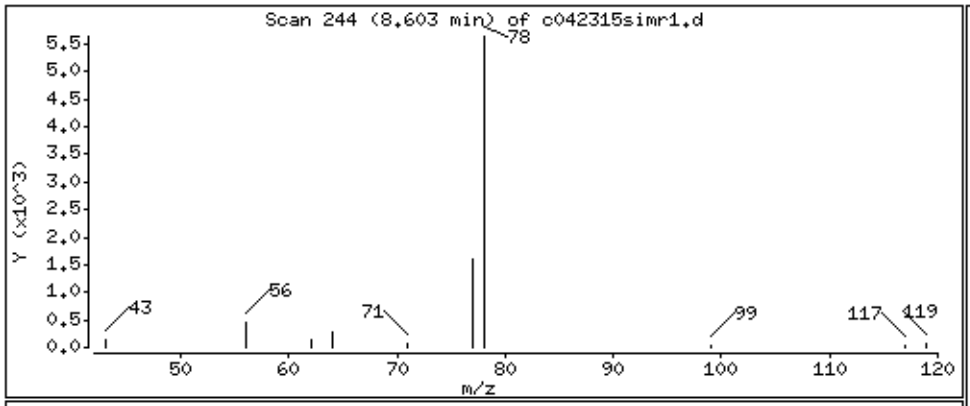
Operator: gm

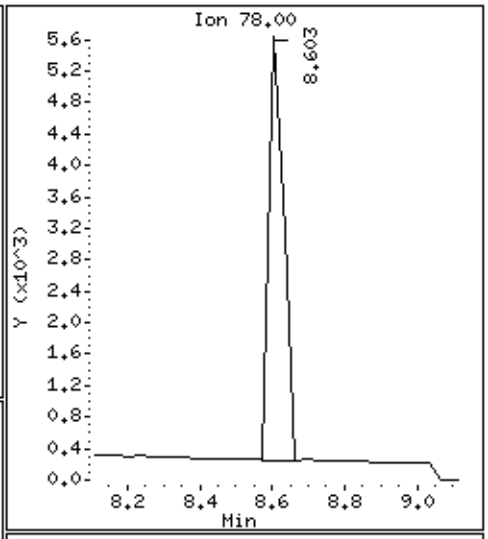
Column phase: DB-5.625

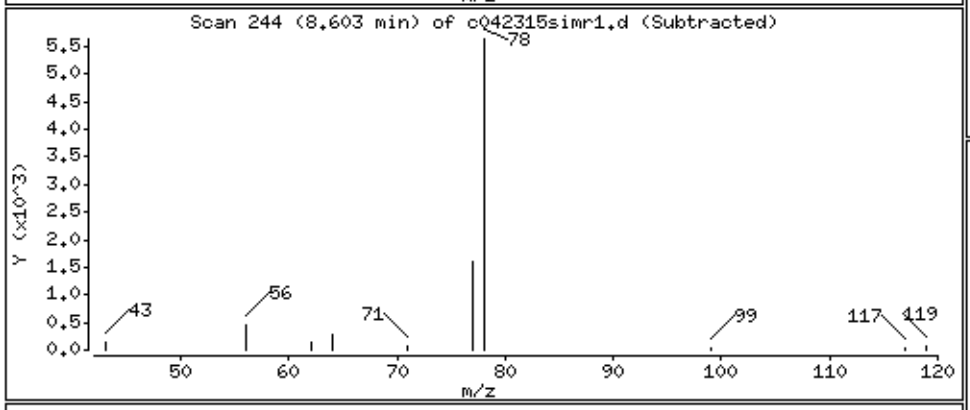
Column diameter: 0.25

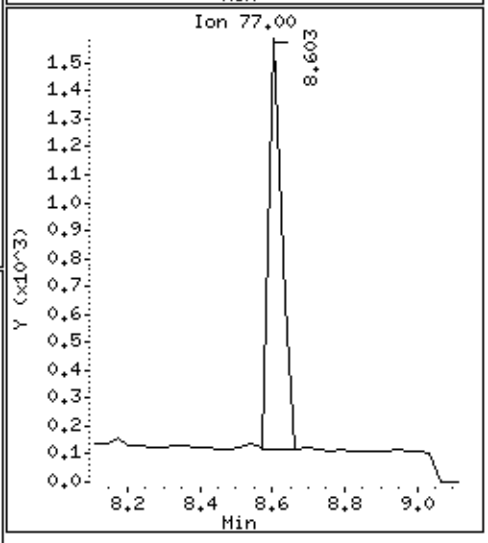
19 Benzene

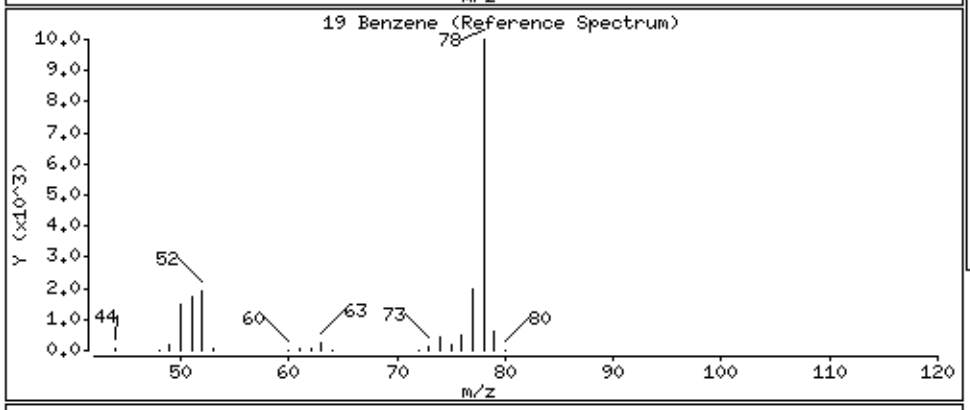
Concentration: 0.625720 ug

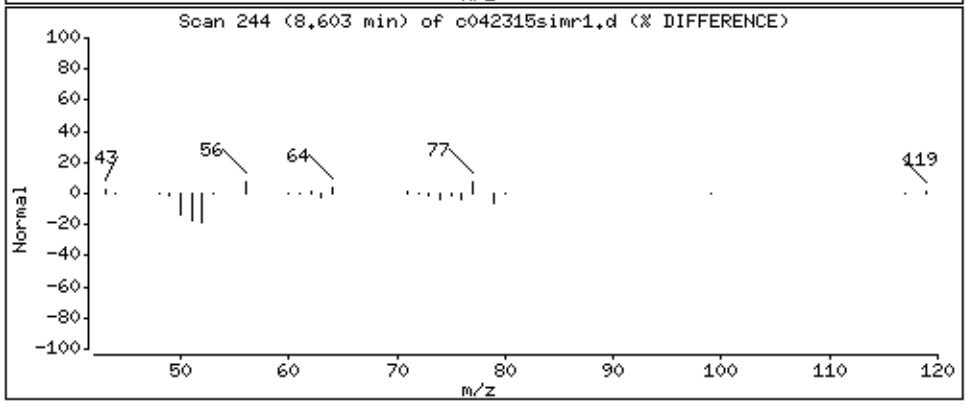












Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

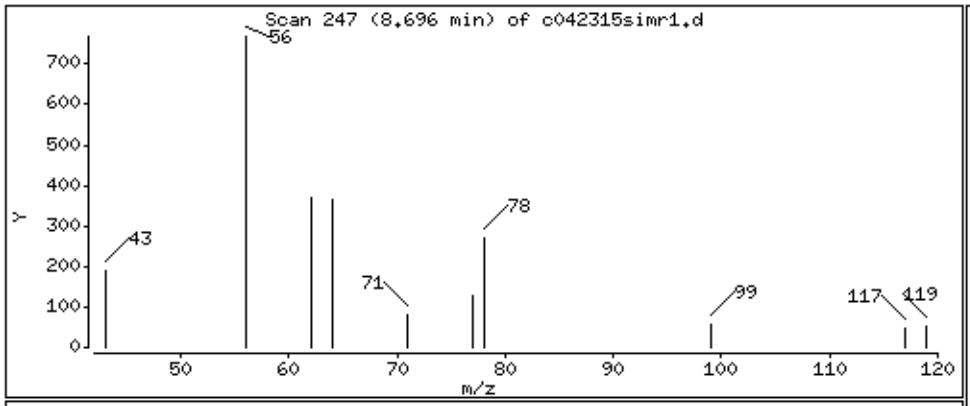
Operator: gm

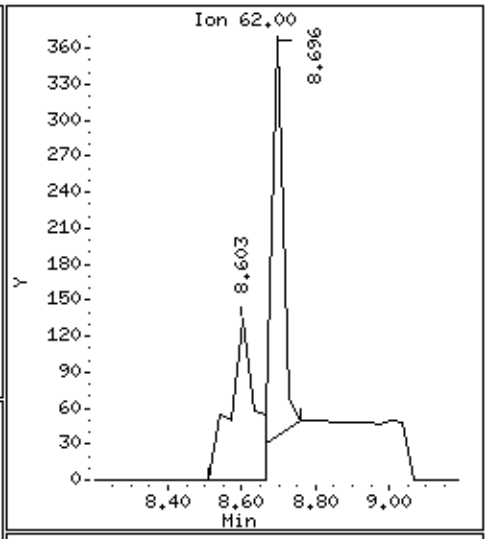
Column phase: DB-5.625

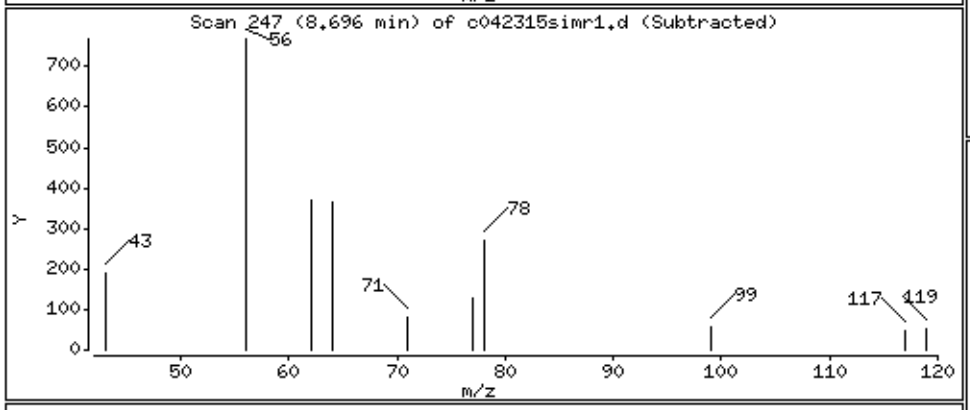
Column diameter: 0.25

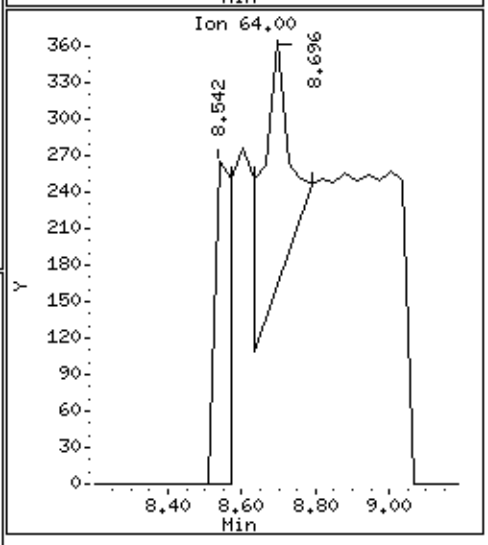
20 1,2-Dichloroethane

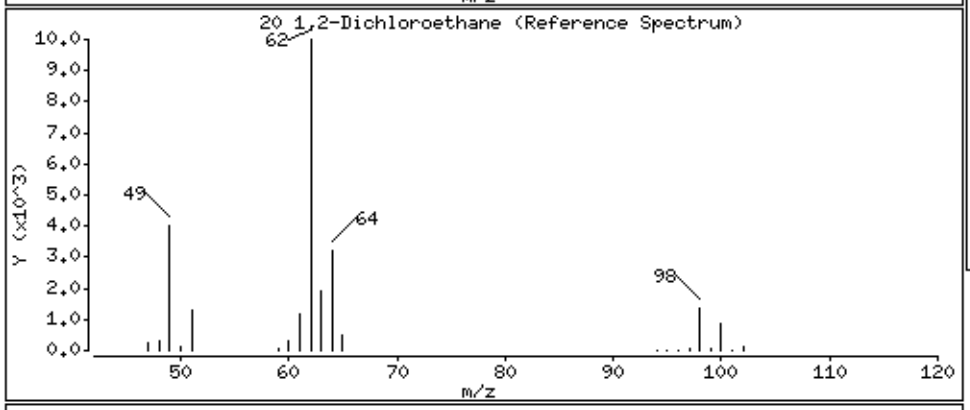
Concentration: 0.0618564 ug

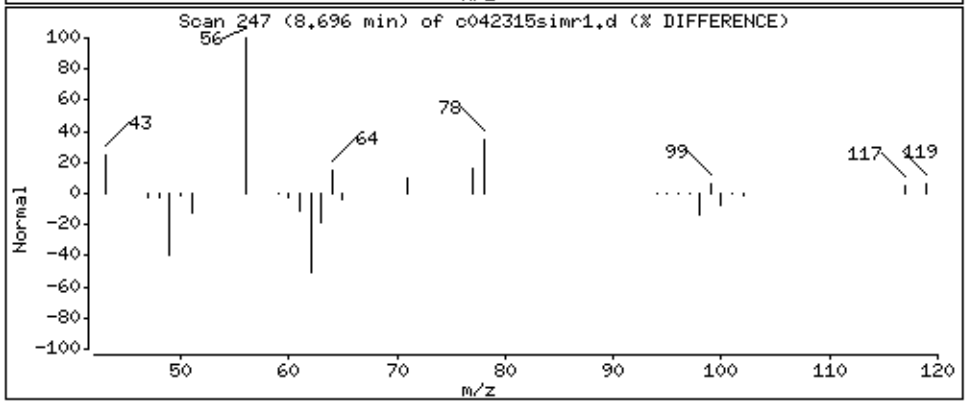












Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

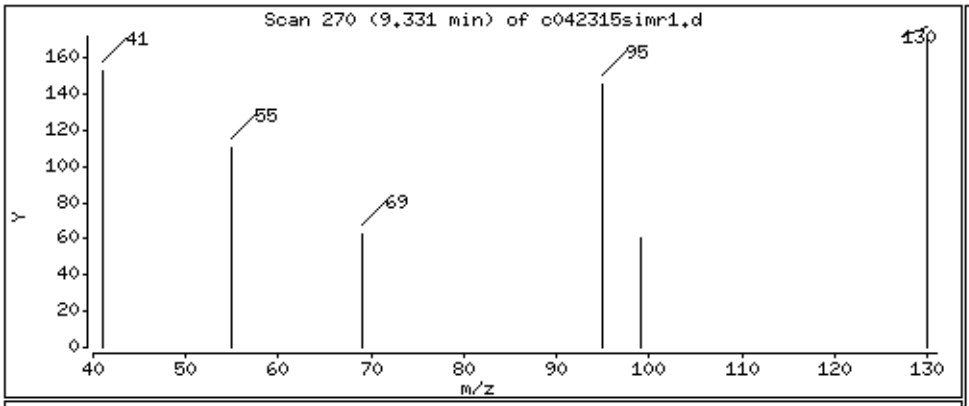
Operator: gm

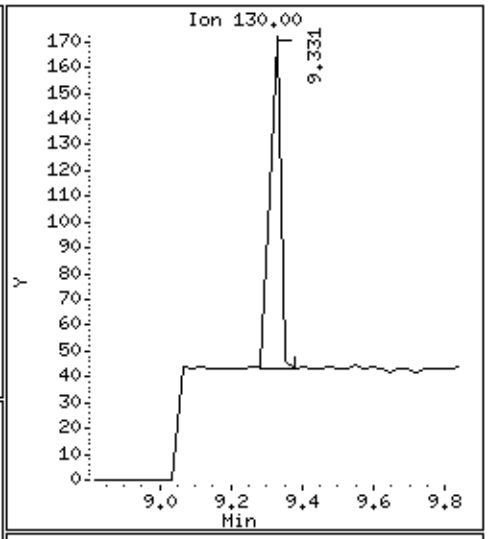
Column phase: DB-5.625

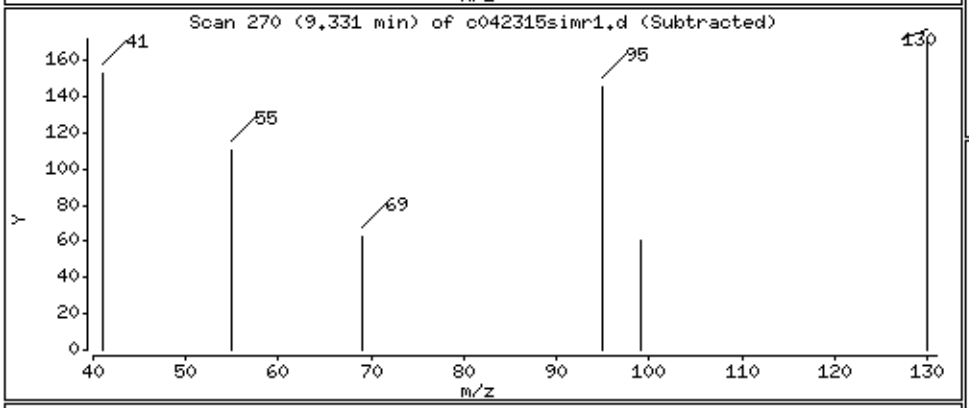
Column diameter: 0.25

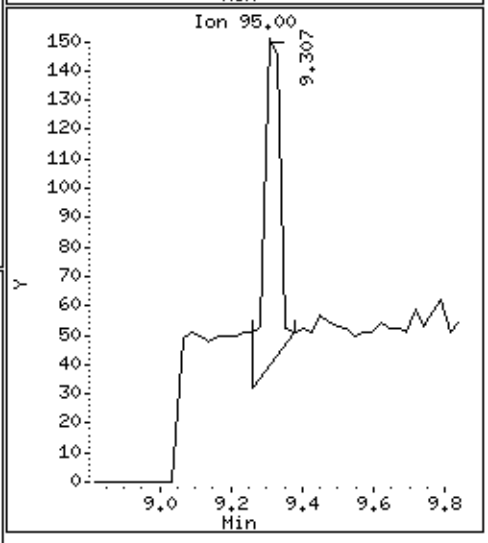
22 Trichloroethene

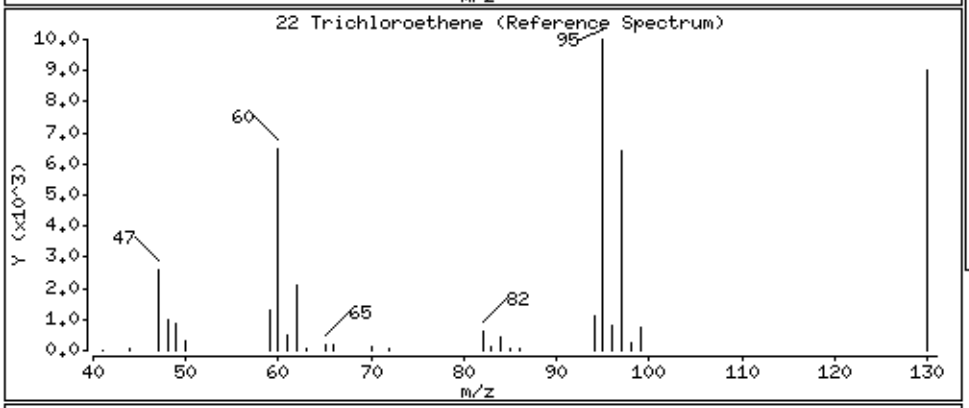
Concentration: 0.0359161 ug

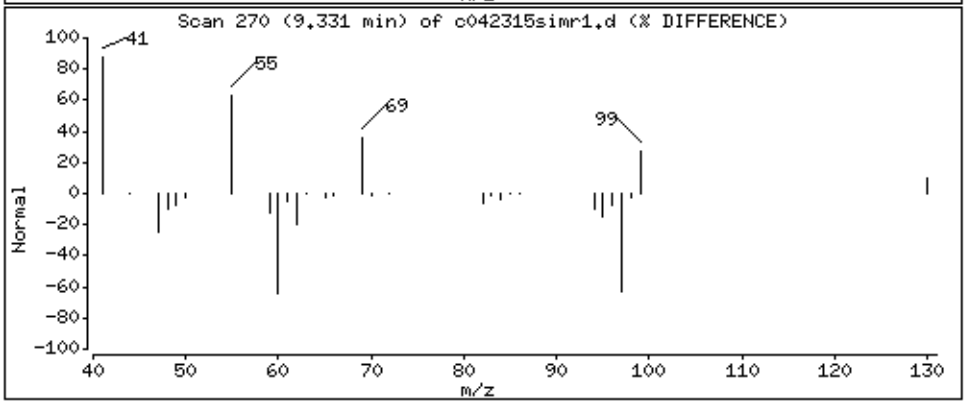












Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

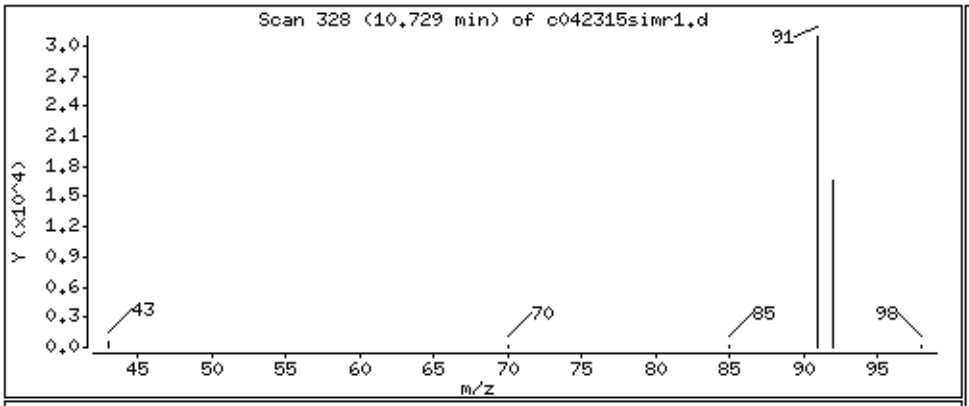
Operator: gm

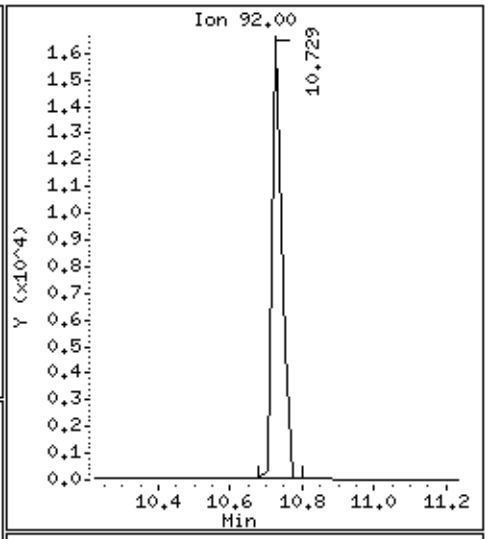
Column phase: DB-5.625

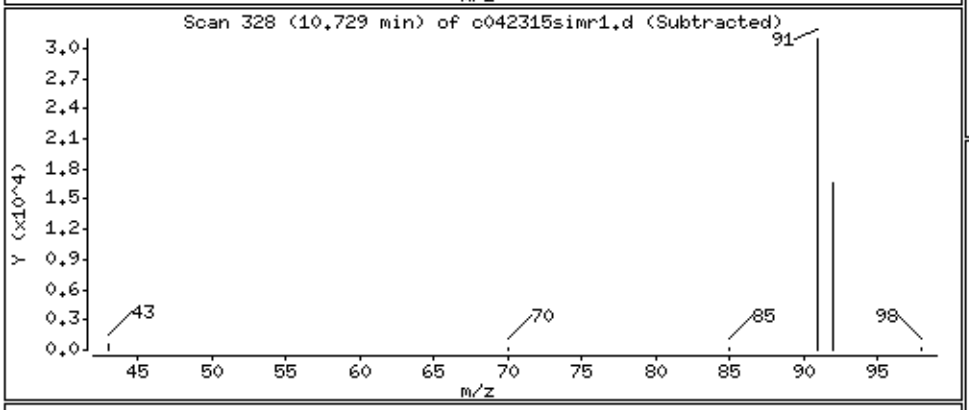
Column diameter: 0.25

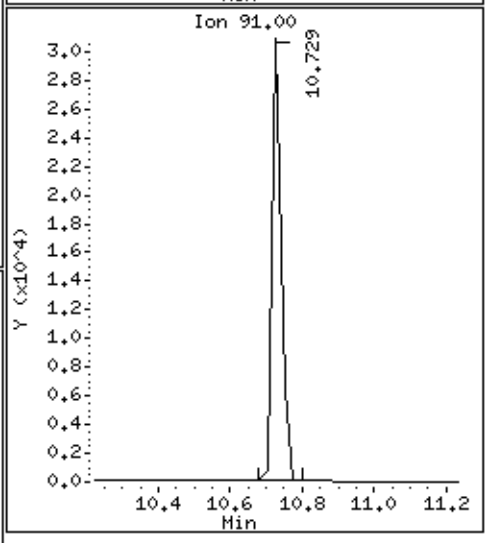
26 Toluene-CCC

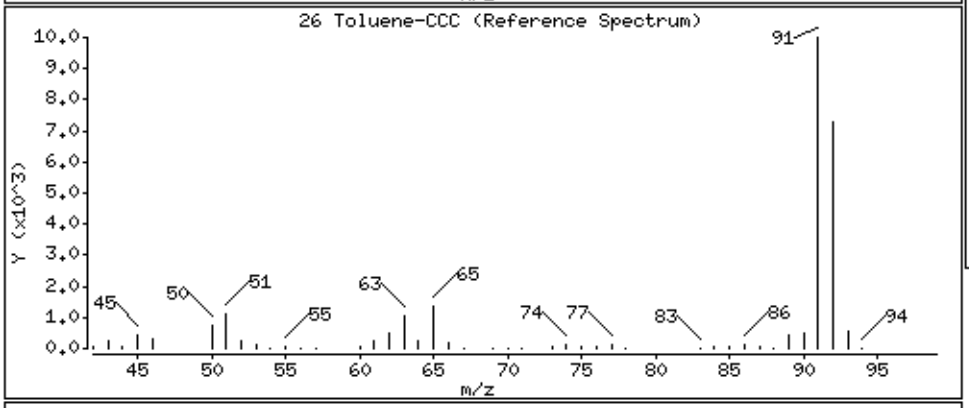
Concentration: 1.56263 ug

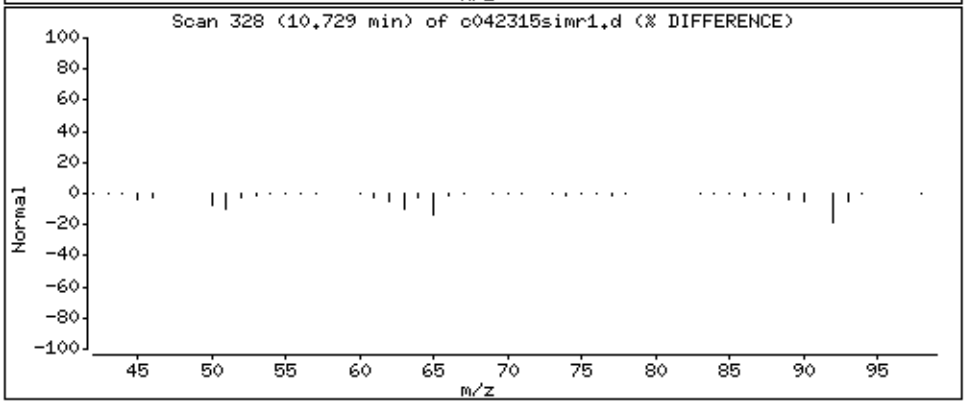












Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

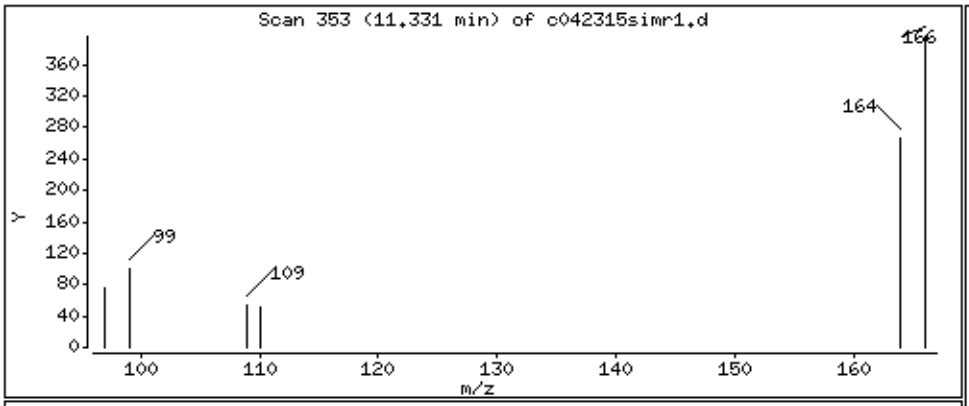
Operator: gm

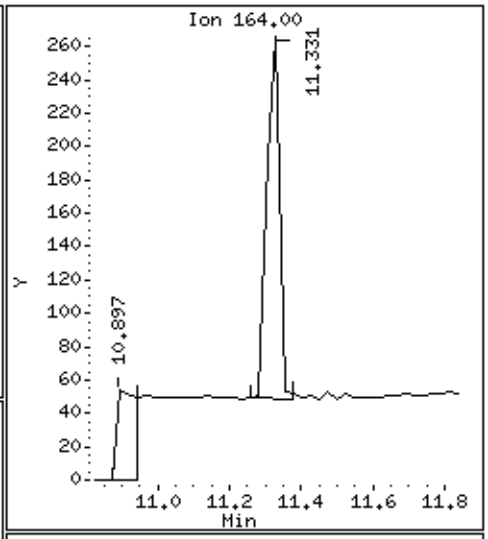
Column phase: DB-5.625

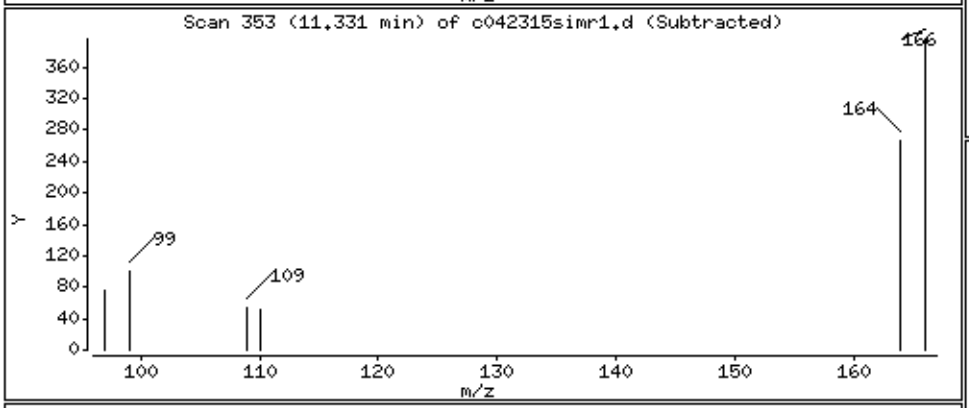
Column diameter: 0.25

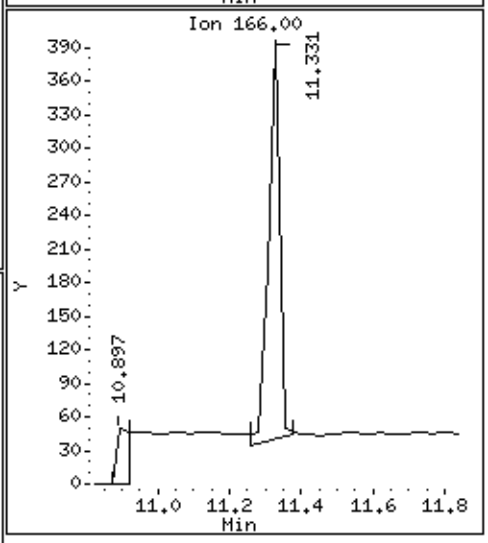
29 Tetrachloroethene

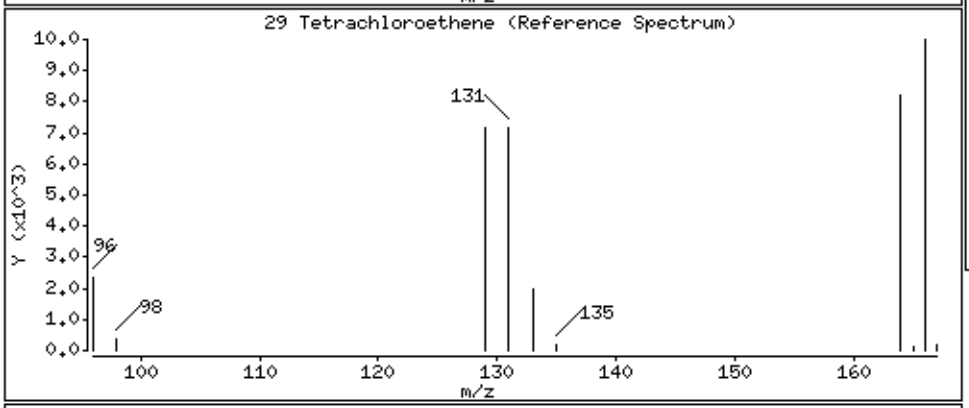
Concentration: 0.0580023 ug

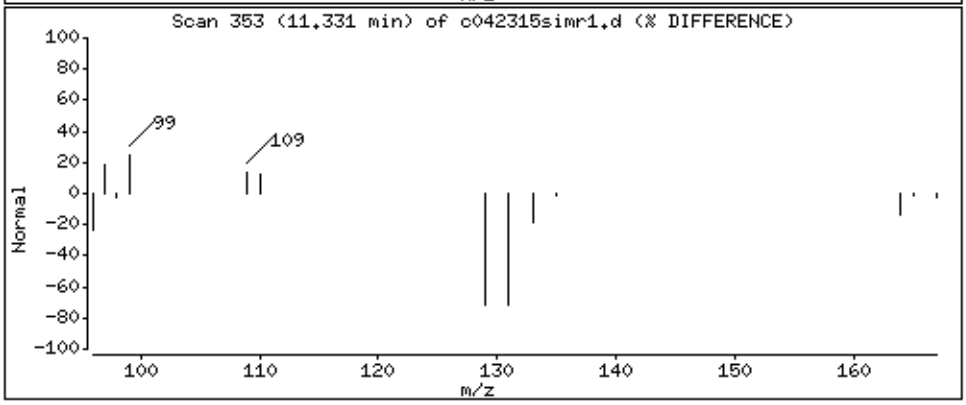












Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

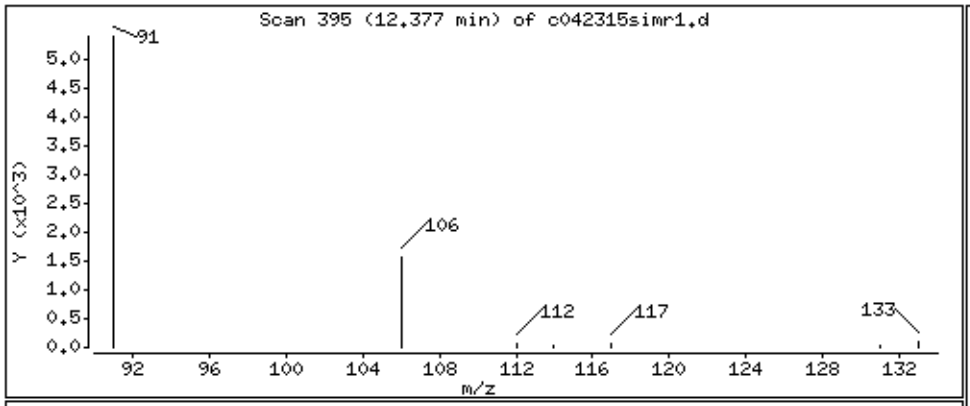
Operator: gm

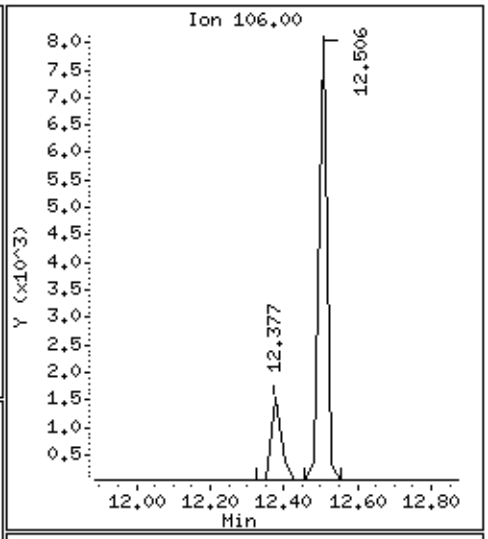
Column phase: DB-5.625

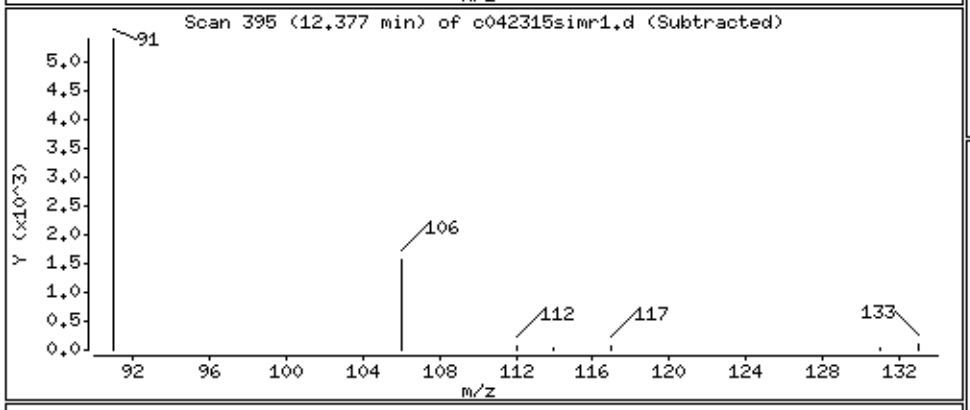
Column diameter: 0.25

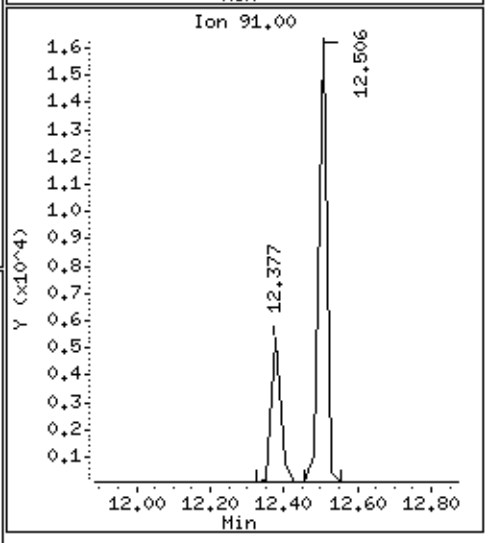
31 Ethylbenzene-CCC

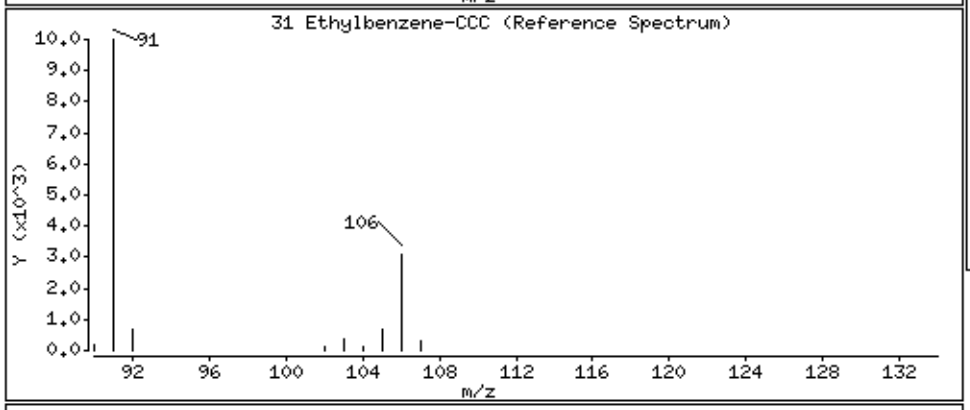
Concentration: 0.215741 ug

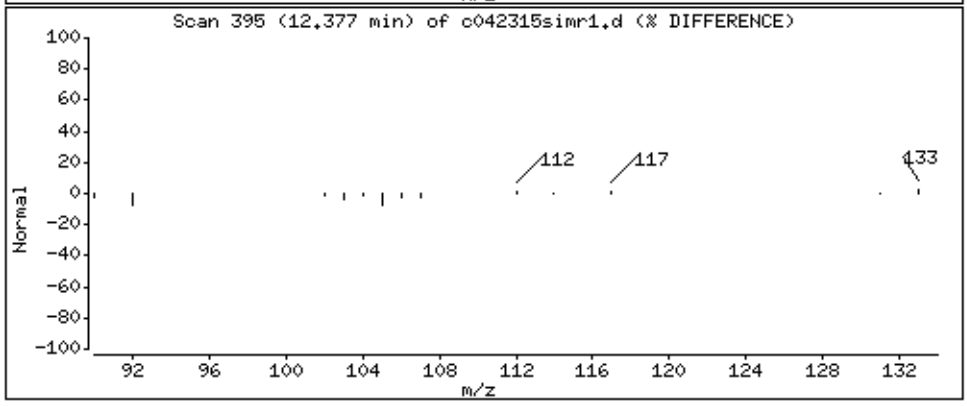












Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

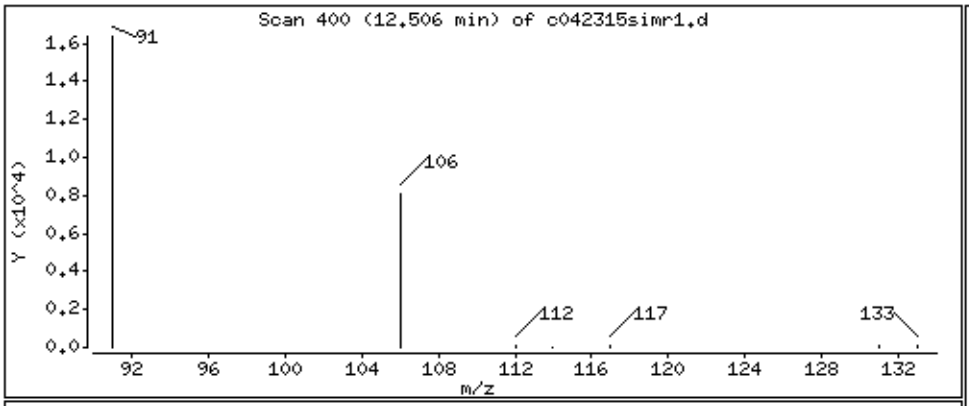
Operator: gm

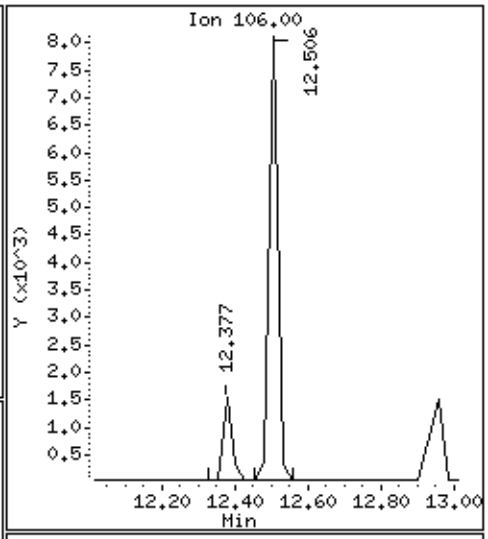
Column phase: DB-5.625

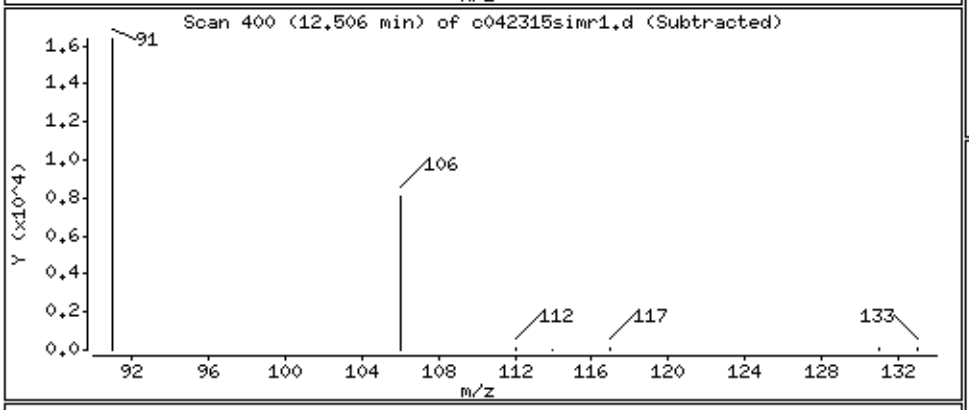
Column diameter: 0.25

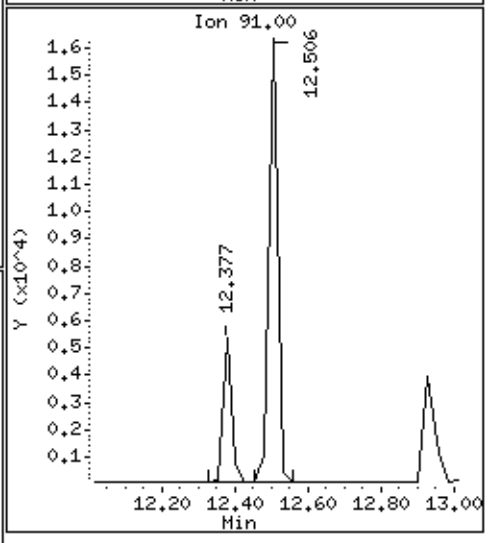
33 m,p-Xylene

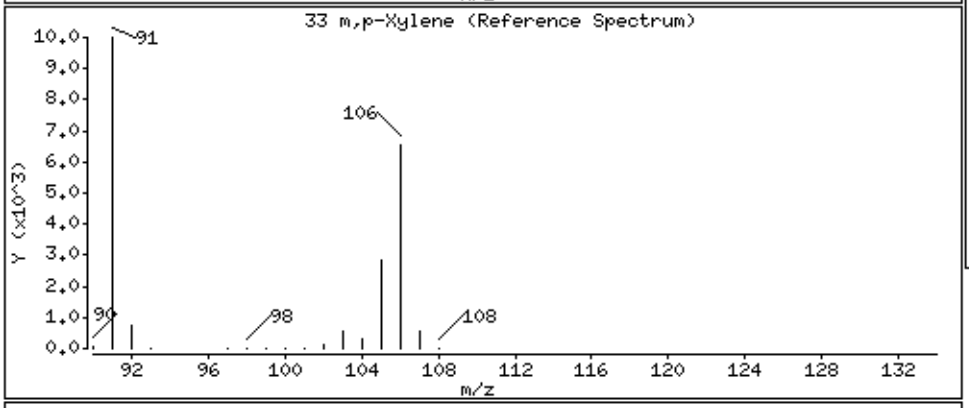
Concentration: 0.738407 ug

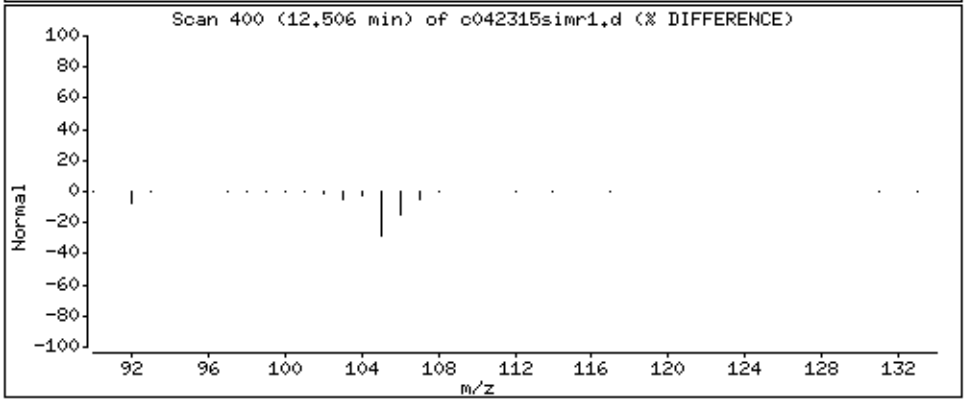












Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

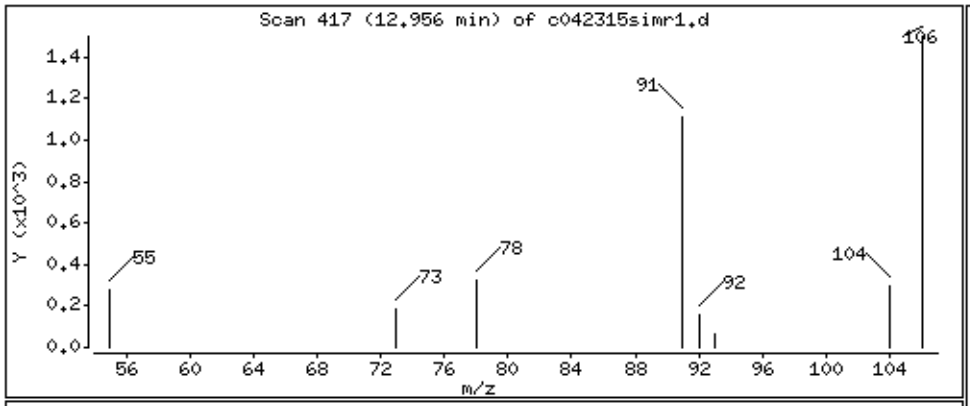
Operator: gm

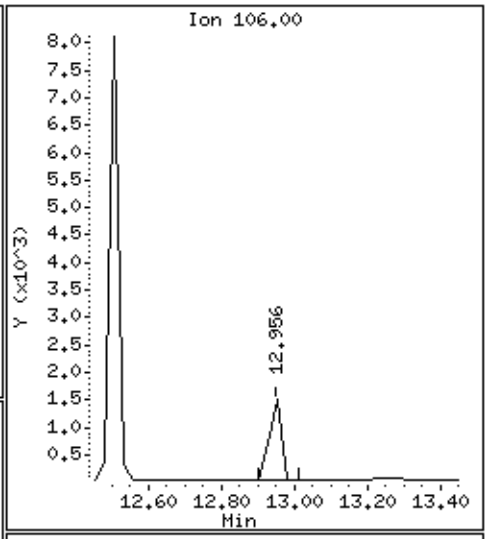
Column phase: DB-5.625

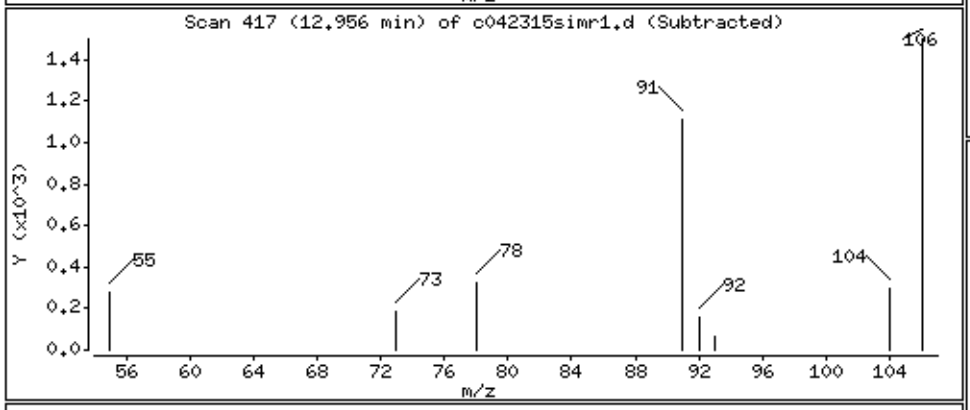
Column diameter: 0.25

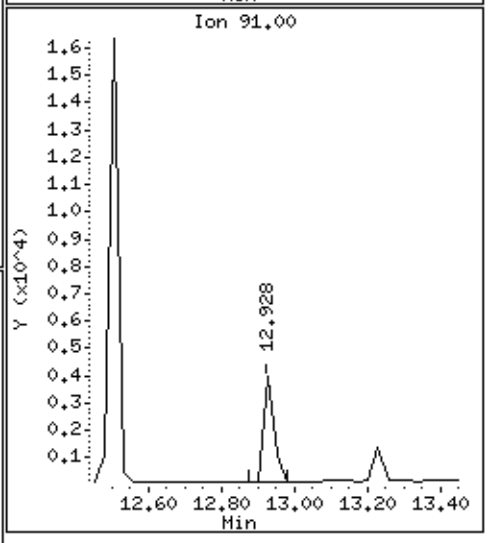
34 o-Xylene

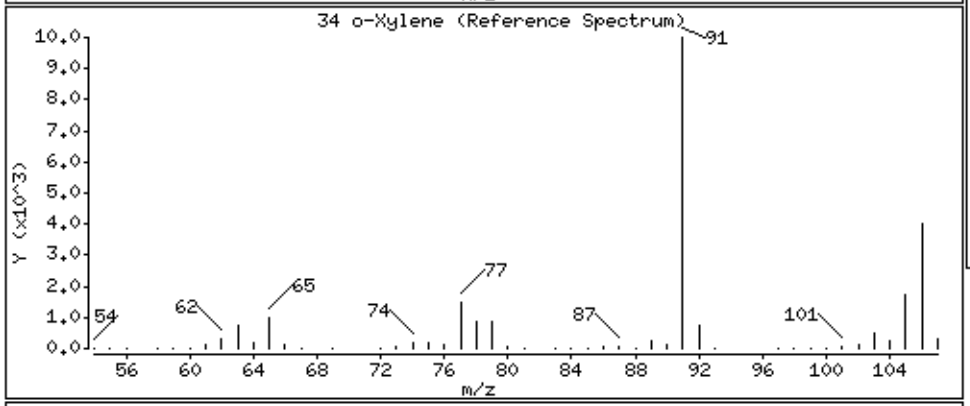
Concentration: 0.243656 ug

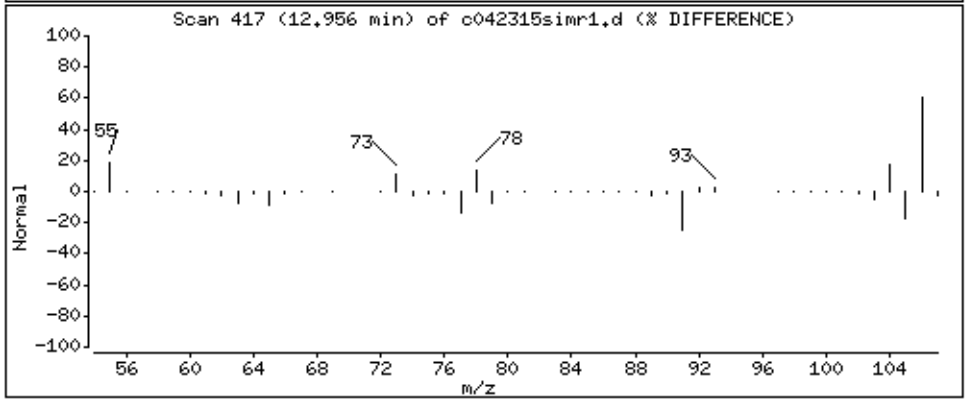












Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

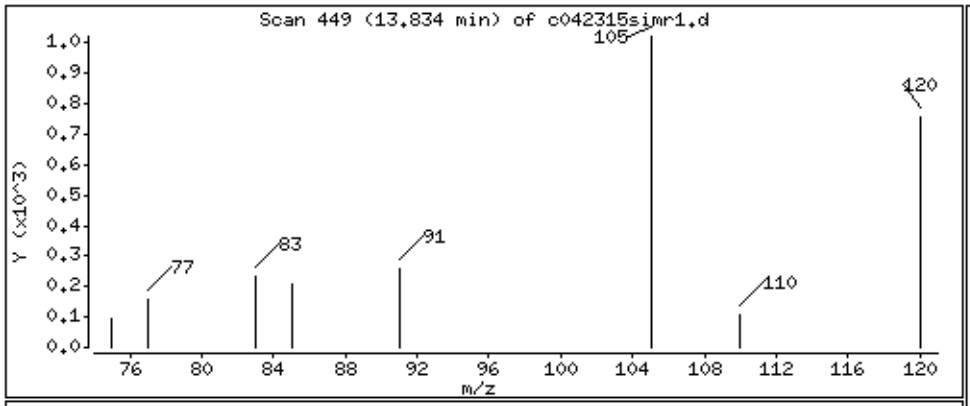
Operator: gm

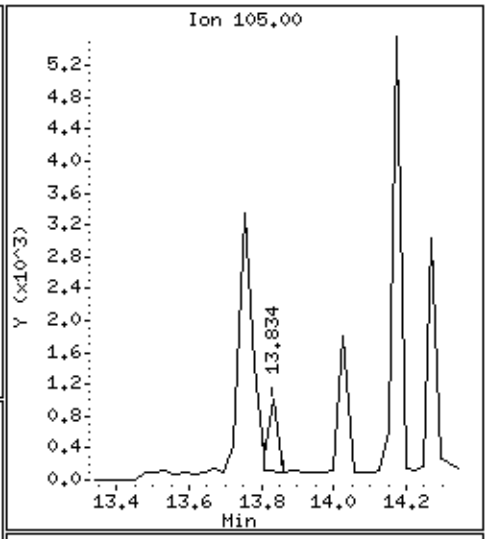
Column phase: DB-5.625

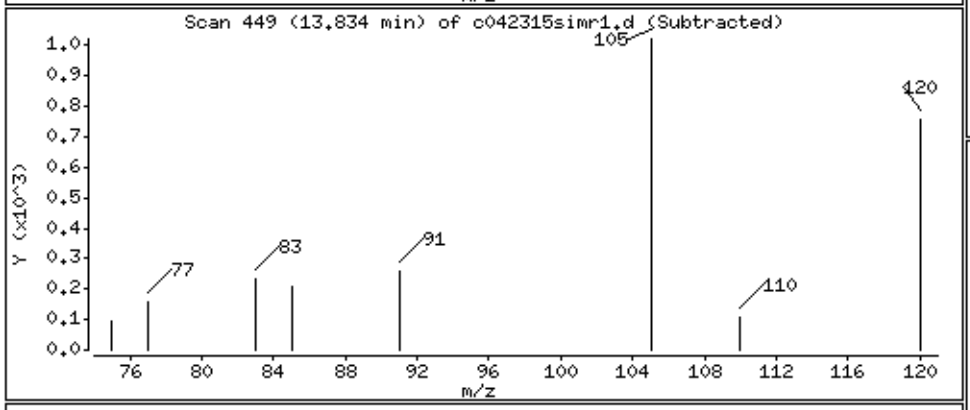
Column diameter: 0.25

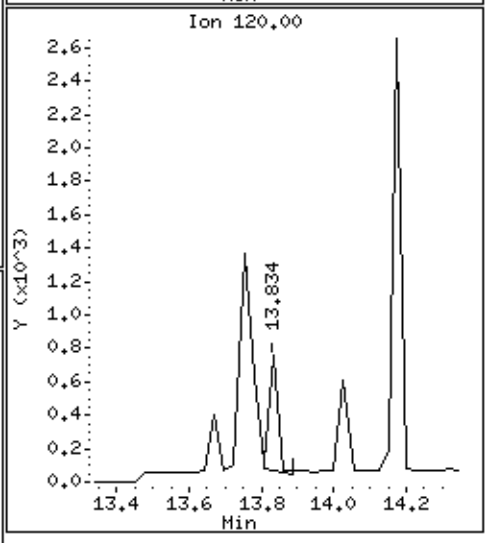
40 1,3,5-Trimethylbenzene

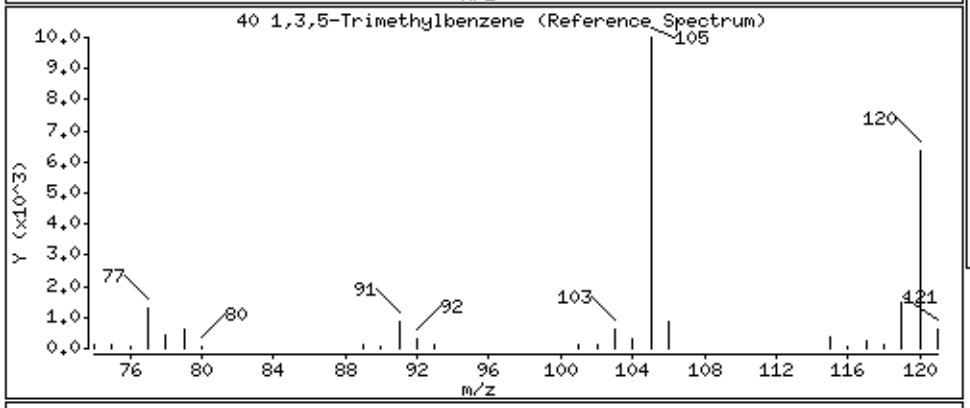
Concentration: 0.0572995 ug

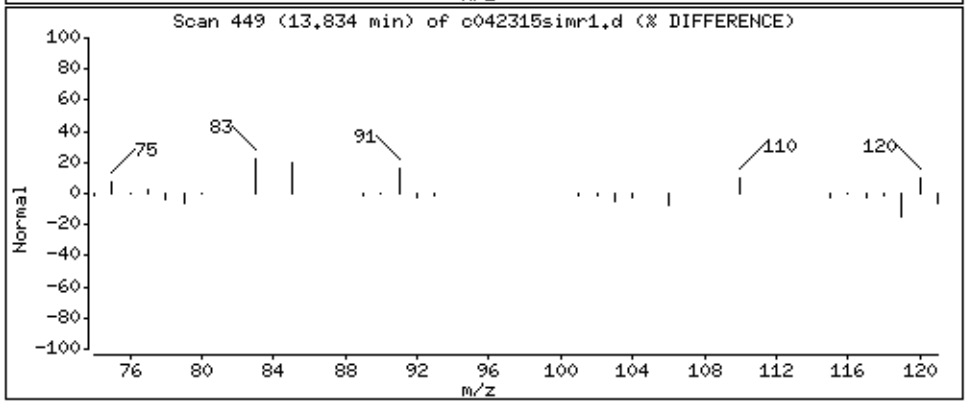












Data File: /chem/msdc.i/23Apr2015.b/c042315simr1.d

Date : 23-APR-2015 15:02

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-07A;

Volume Injected (uL): 1.0

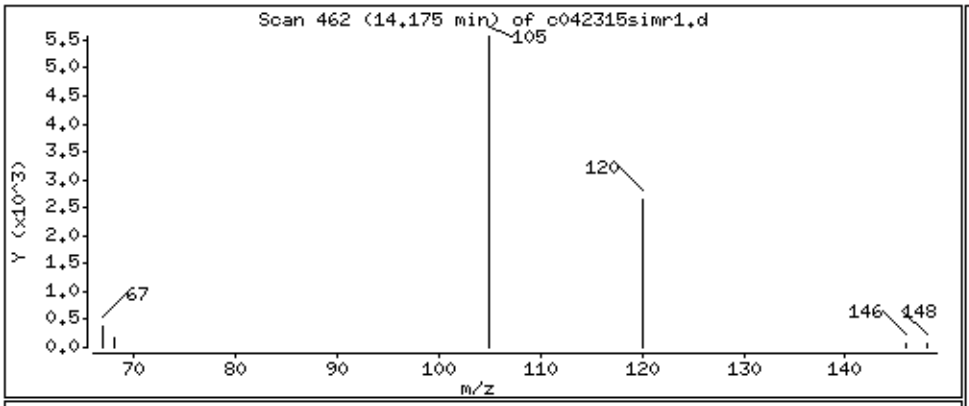
Operator: gm

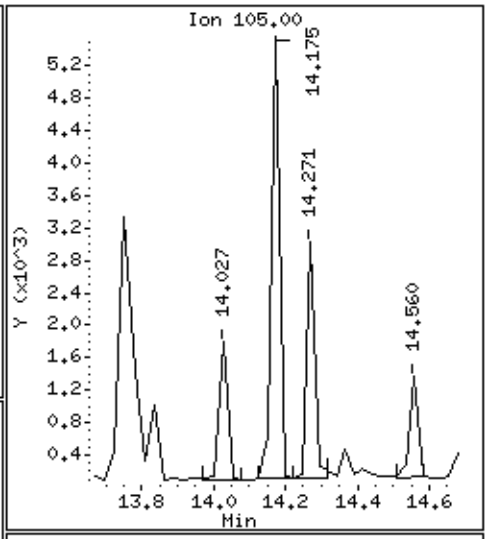
Column phase: DB-5.625

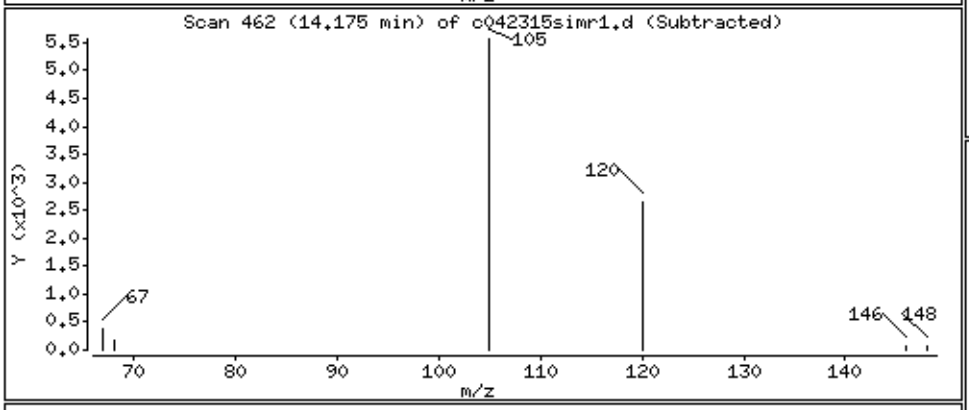
Column diameter: 0.25

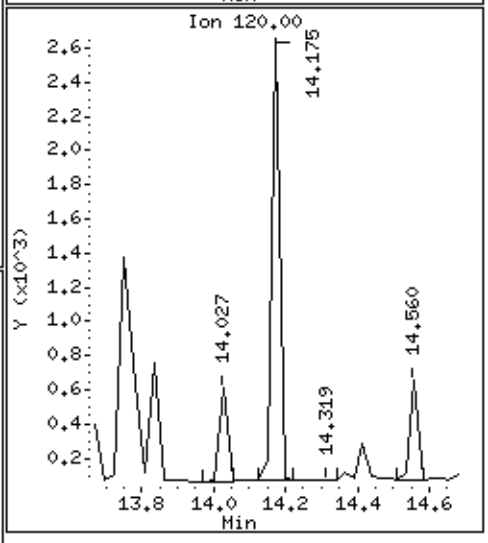
41 1,2,4-Trimethylbenzene

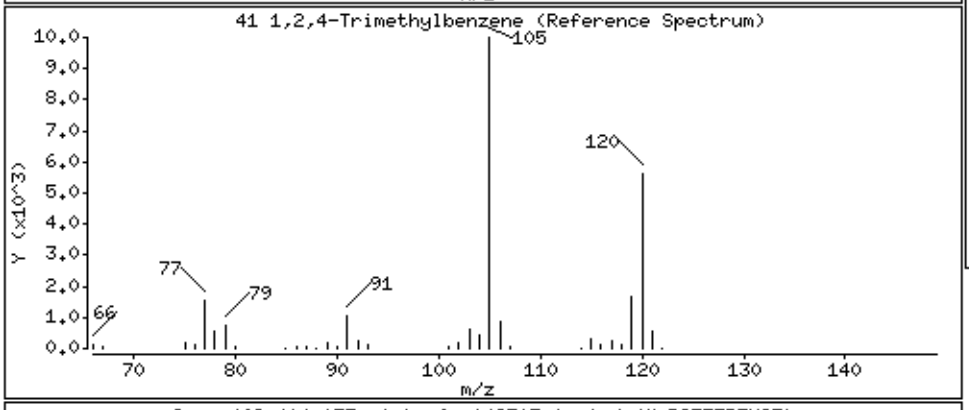
Concentration: 0.212006 ug

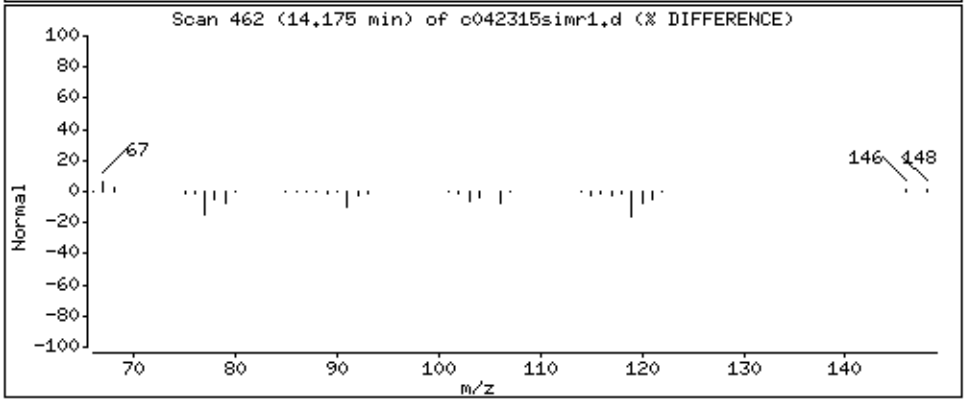












eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 5234-CS01-0415

Lab ID#: 1504309R2-08A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Benzene	0.40	0.48	0.57	0.69
1,2-Dichloroethane	0.10	0.12	0.041 J	0.051 J
Trichloroethene	0.10	0.14	0.036 J	0.050 J
Toluene	0.10	0.13	1.3	1.7
Tetrachloroethene	0.10	0.16	0.068 J	0.11 J
Ethyl Benzene	0.10	0.14	0.21	0.29
m,p-Xylene	0.10	0.14	0.70	0.96
o-Xylene	0.10	0.15	0.22	0.33
1,2,4-Trimethylbenzene	0.10	0.19	0.20	0.38
1,3,5-Trimethylbenzene	0.10	0.18	0.062 J	0.11 J

eurofins | Air Toxics

Client Sample ID: 5234-CS01-0415

Lab ID#: 1504309R2-08A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042316simr2**	**Date of Collection: 4/17/15 10:12:00 AM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 03:27 PM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	0.57	0.69
1,2-Dichloroethane	0.10	0.12	0.041 J	0.051 J
Trichloroethene	0.10	0.14	0.036 J	0.050 J
Toluene	0.10	0.13	1.3	1.7
Tetrachloroethene	0.10	0.16	0.068 J	0.11 J
Ethyl Benzene	0.10	0.14	0.21	0.29
m,p-Xylene	0.10	0.14	0.70	0.96
o-Xylene	0.10	0.15	0.22	0.33
Naphthalene	0.10	0.38	Not Detected	Not Detected
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	0.20	0.38
1,3,5-Trimethylbenzene	0.10	0.18	0.062 CJ	0.11 CJ
Vinyl Chloride	0.40	0.43	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.6F , duration time = 10062 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	110	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042316simr2.d
Lab Smp Id: 1504309R2-08A
Inj Date : 23-APR-2015 15:27
Operator : gm Inst ID: msdc.i
Smp Info : ;1504309R2-08A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 26-Jun-2015 14:36 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2	Vinyl Chloride	62	Compound Not Detected.					
4	1,1-Dichloroethene-CCC	96	Compound Not Detected.					
8	trans-1,2-Dichloroethene	96	Compound Not Detected.					
11	1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
14	cis-1,2-Dichloroethene	96	Compound Not Detected.					
17	1,1,1-Trichloroethane	97	Compound Not Detected.					
19	Benzene	78	8.603	8.603	(0.783)	13344	0.28750	0.574995
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	438	0.02055	0.0410934(aM)
22	Trichloroethene	130	9.331	9.331	(0.849)	274	0.01788	0.0357650(a)
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	241052	5.47965	10.9593
26	Toluene-CCC	92	10.729	10.728	(0.976)	25221	0.66374	1.32748
* 27	2-Fluorotoluene	109	10.994	10.993	(1.000)	267254	5.00000	
28	1,1,2-Trichloroethane	97	Compound Not Detected.					
29	Tetrachloroethene	164	11.331	11.331	(1.031)	591	0.03381	0.0676162(a)
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	2533	0.10367	0.207336
33	m,p-Xylene	106	12.506	12.506	(1.138)	11965	0.34995	0.699896

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	12.956	12.956	(1.178)	3050	0.11225	0.224491
40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	1887	0.03076	0.0615250(aM)
41 1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	7681	0.09929	0.198585
48 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 13-Jul-2015 13:50

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042316simr2.d
Lab Smp Id: 1504309R2-08A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	267254	-17.65

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 13-Jul-2015 13:50

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504309R2-08A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	10.9593	109.59	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

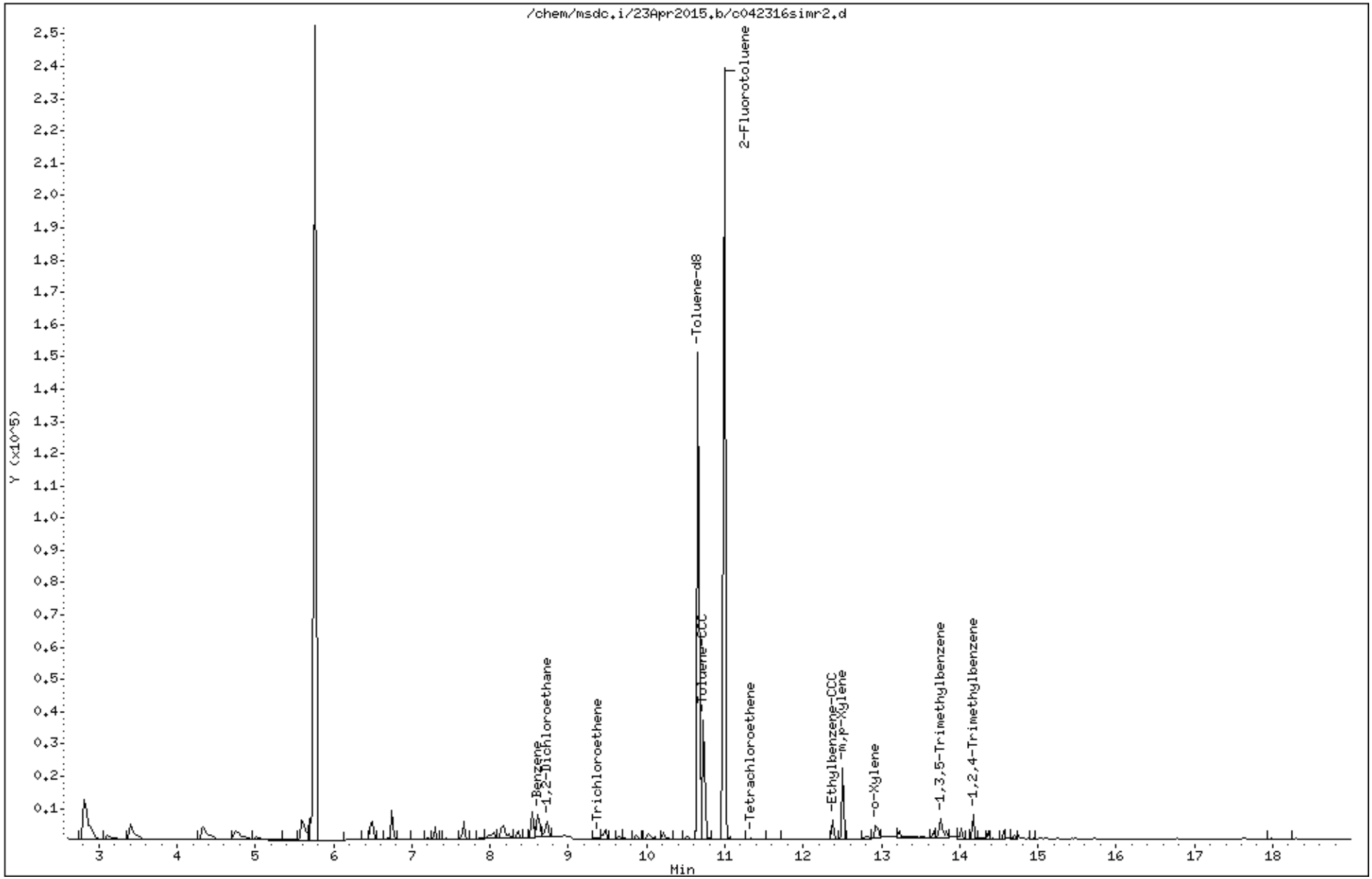
Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

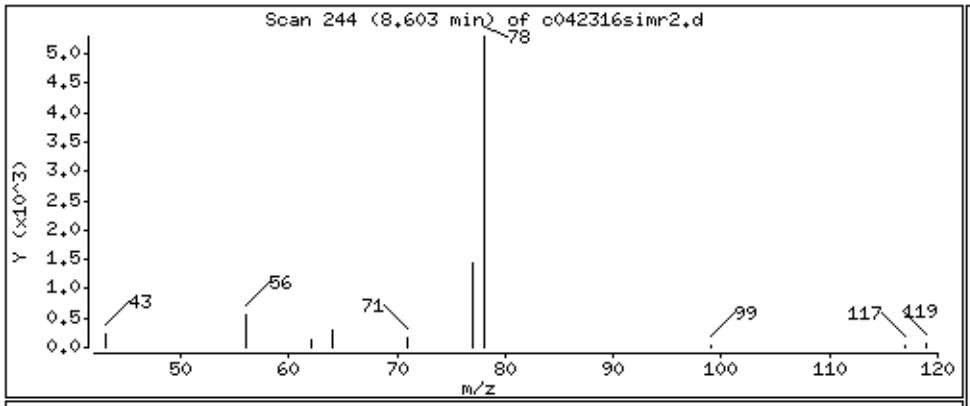
Operator: gm

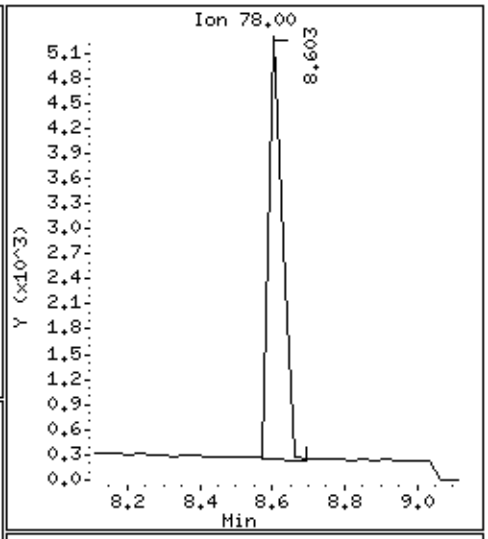
Column phase: DB-5.625

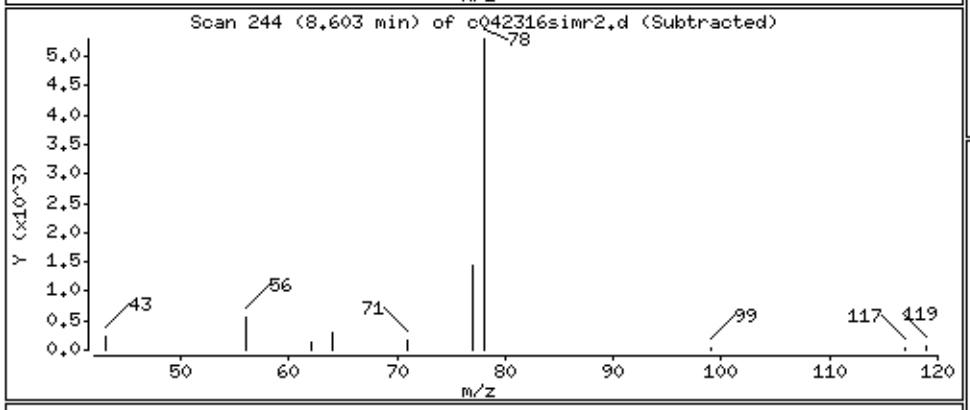
Column diameter: 0.25

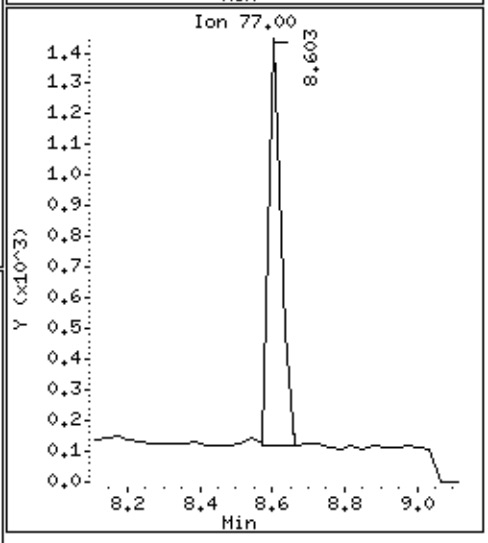
19 Benzene

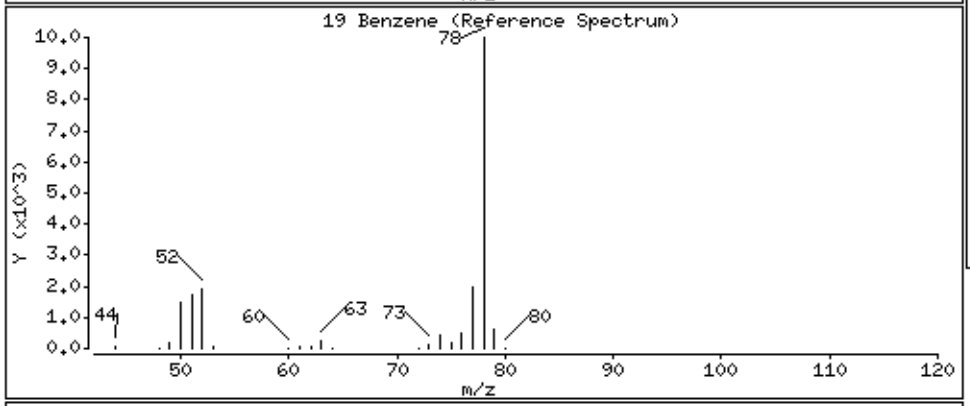
Concentration: 0.574995 ug

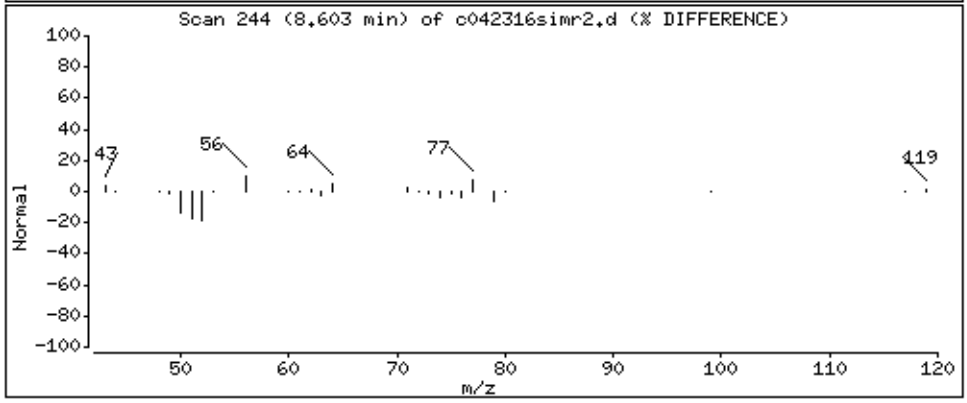












Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

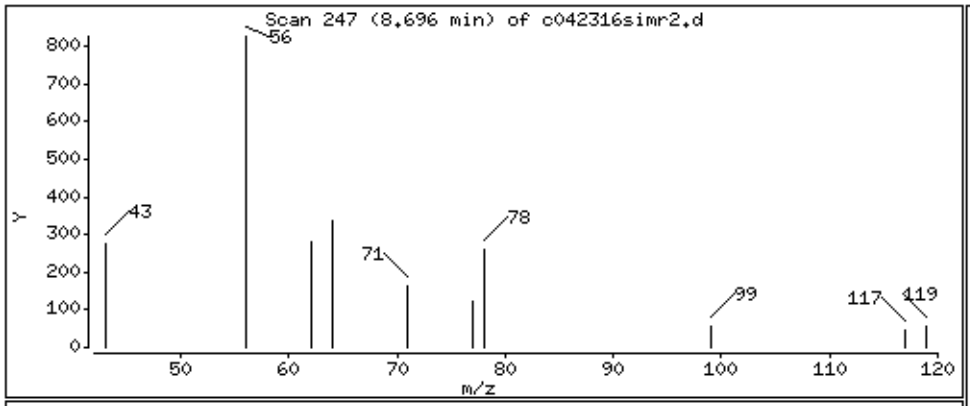
Operator: gm

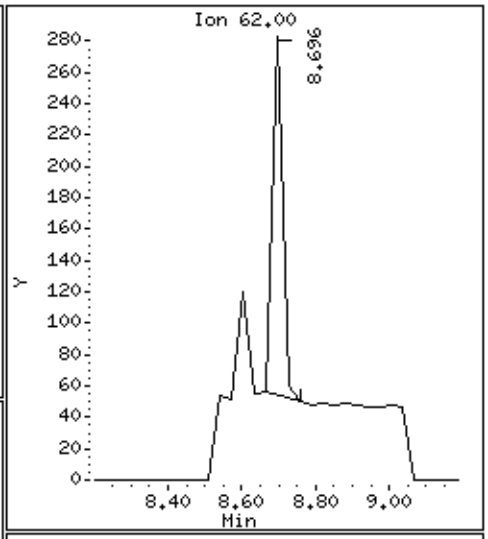
Column phase: DB-5.625

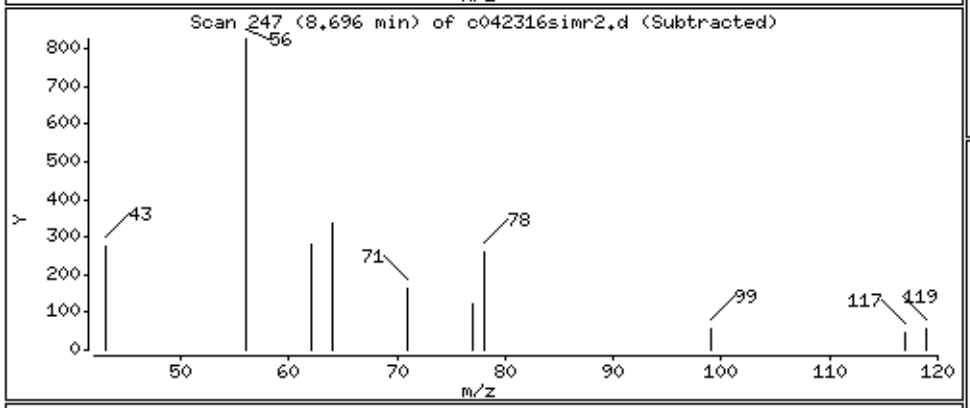
Column diameter: 0.25

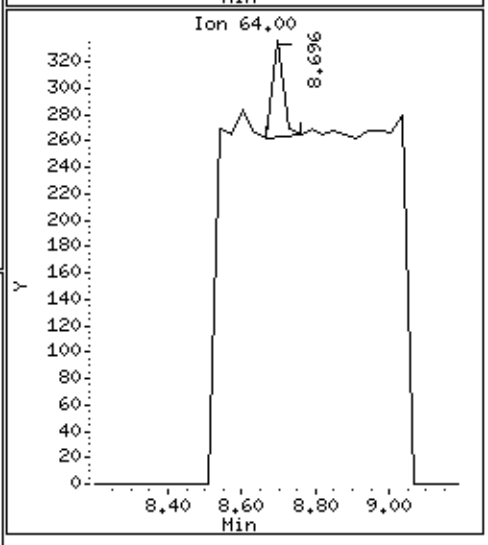
20 1,2-Dichloroethane

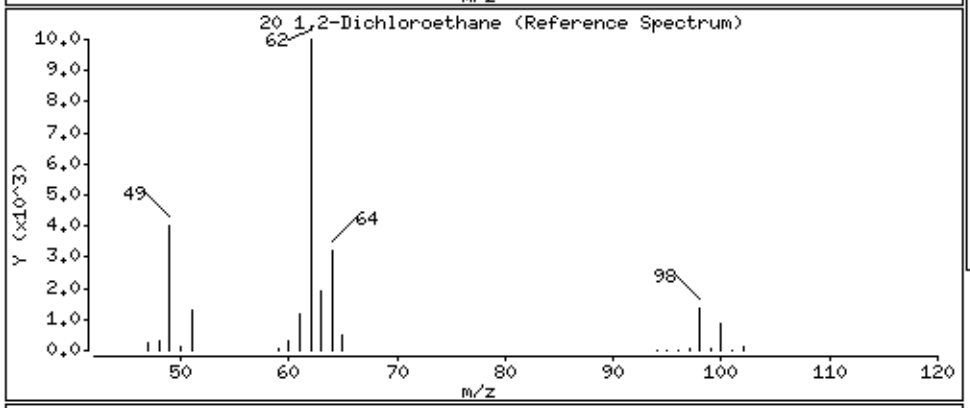
Concentration: 0.0410934 ug

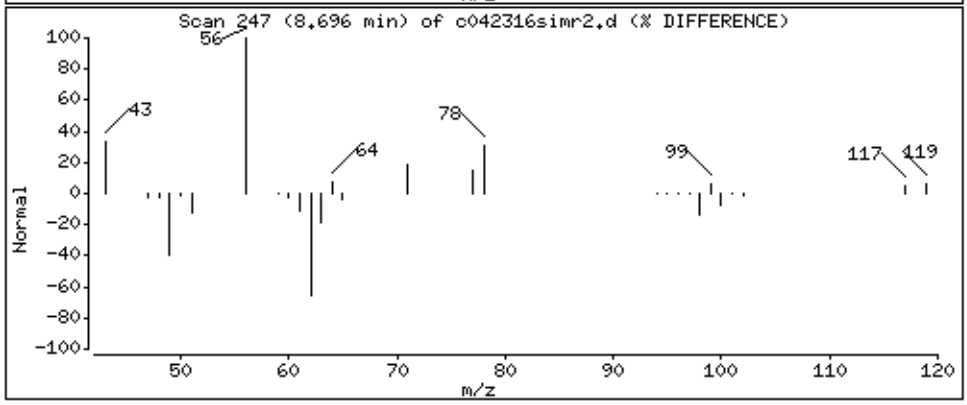












Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

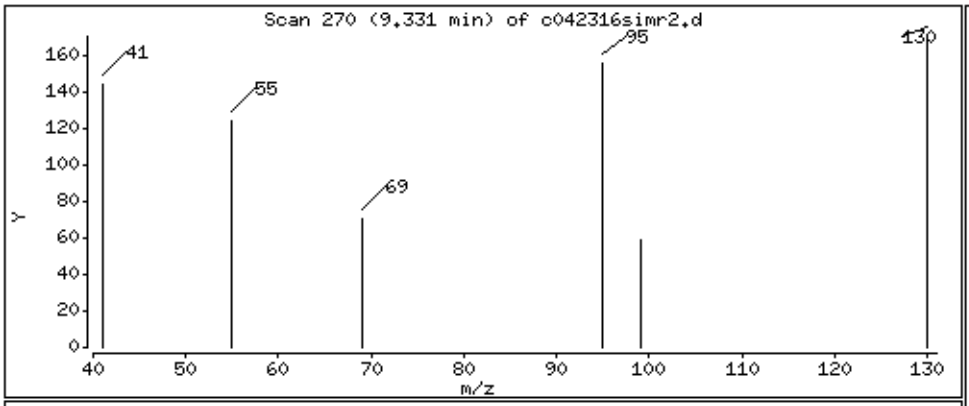
Operator: gm

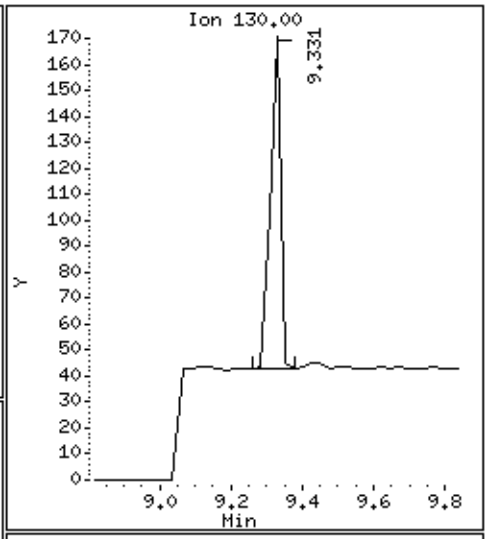
Column phase: DB-5.625

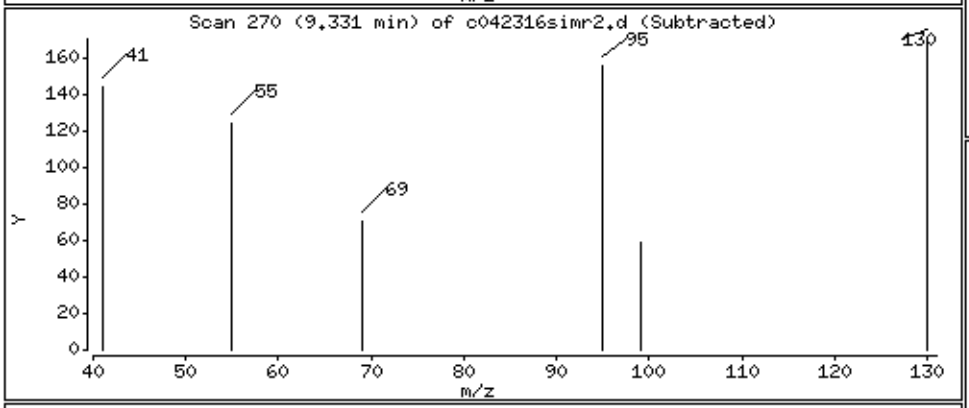
Column diameter: 0.25

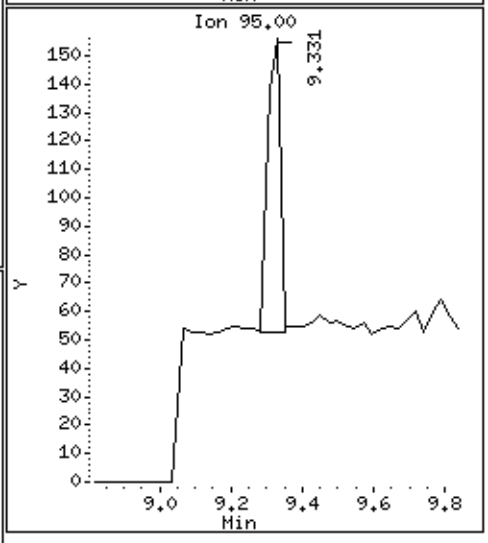
22 Trichloroethene

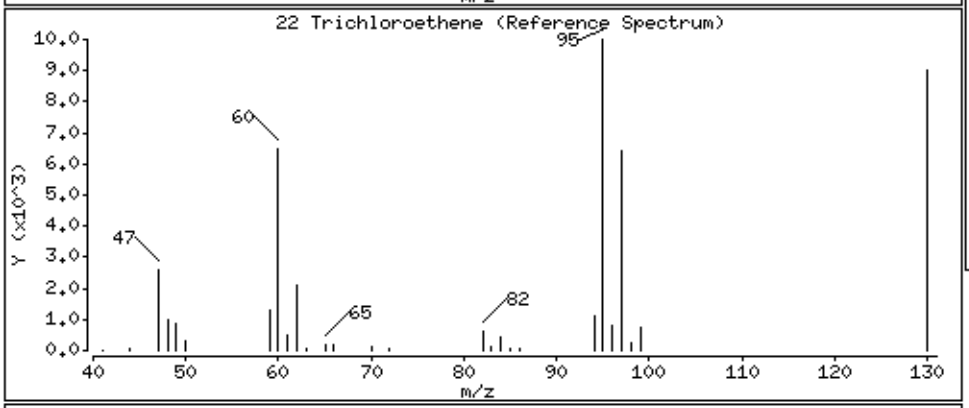
Concentration: 0.0357650 ug

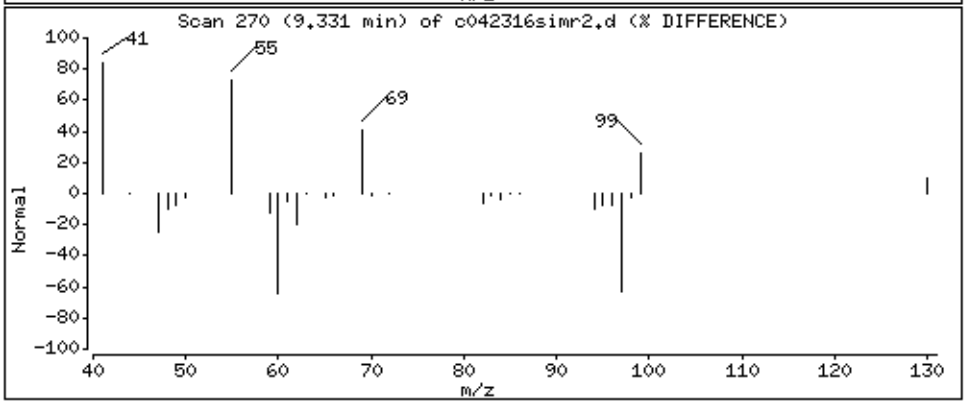












Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

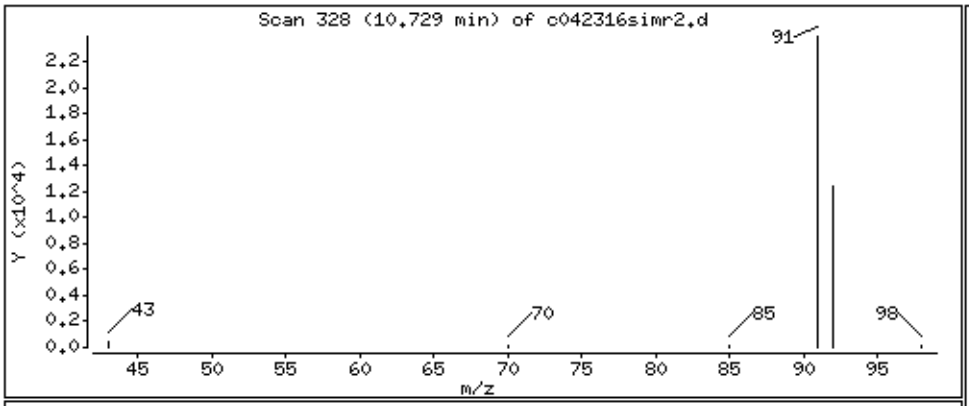
Operator: gm

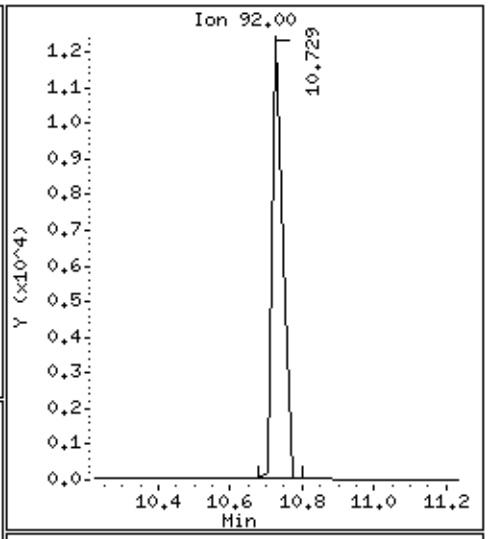
Column phase: DB-5.625

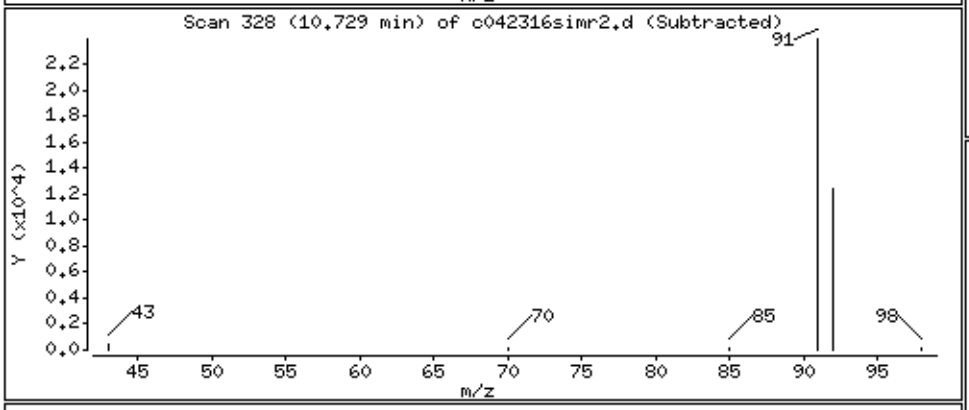
Column diameter: 0.25

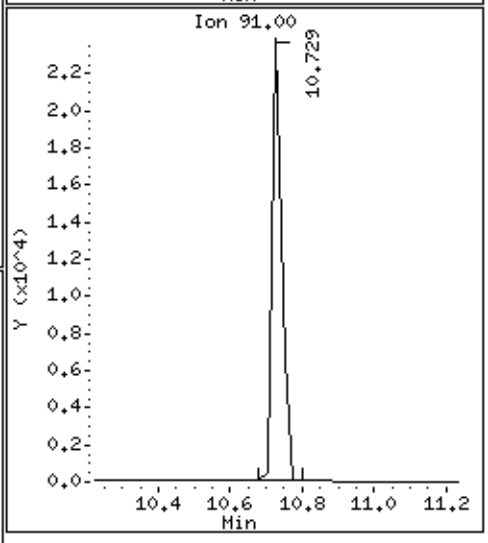
26 Toluene-CCC

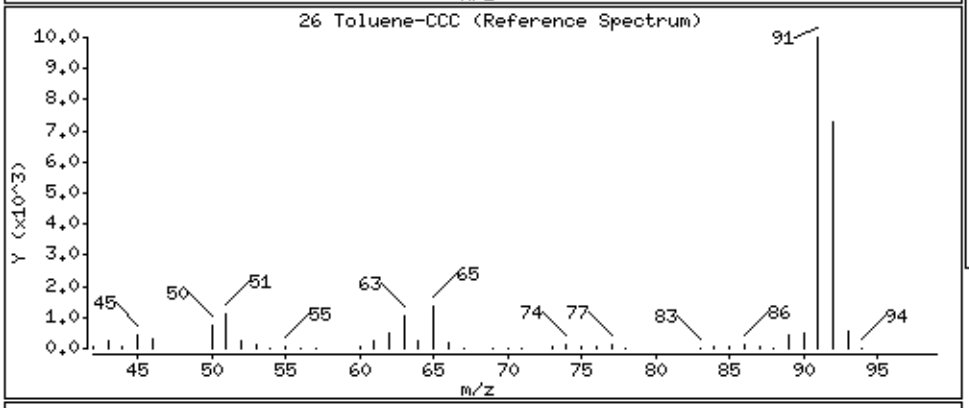
Concentration: 1.32748 ug

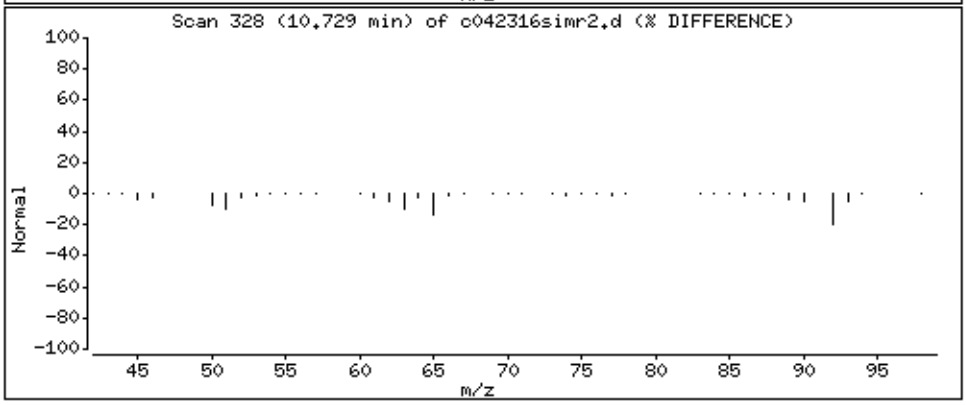












Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

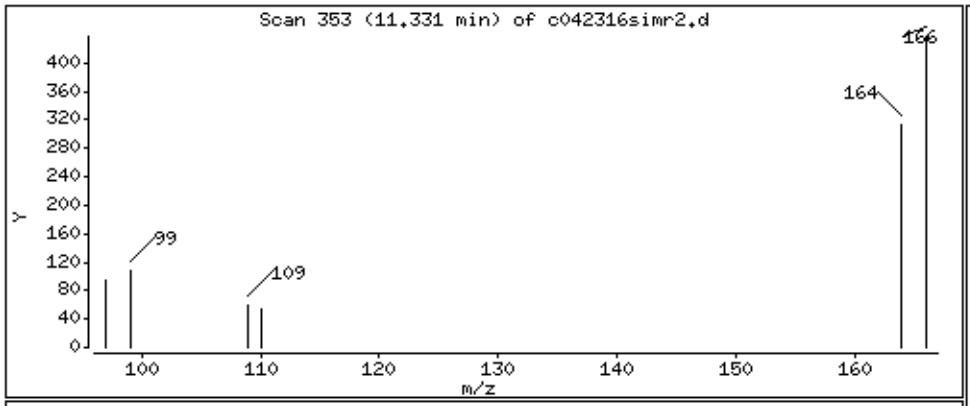
Operator: gm

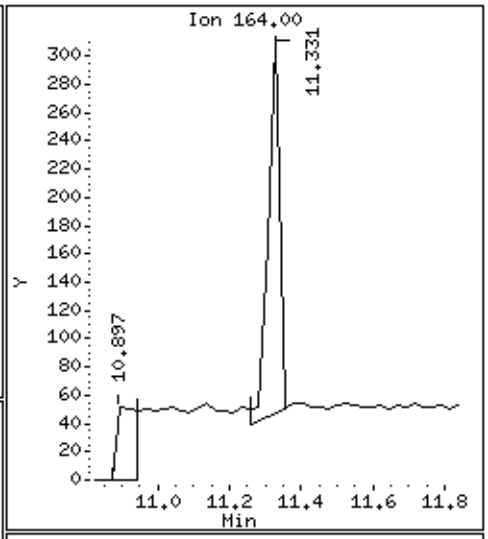
Column phase: DB-5.625

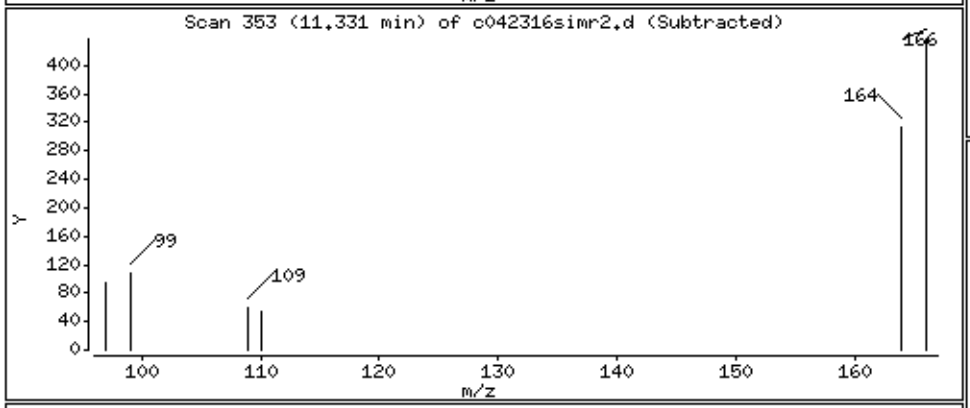
Column diameter: 0.25

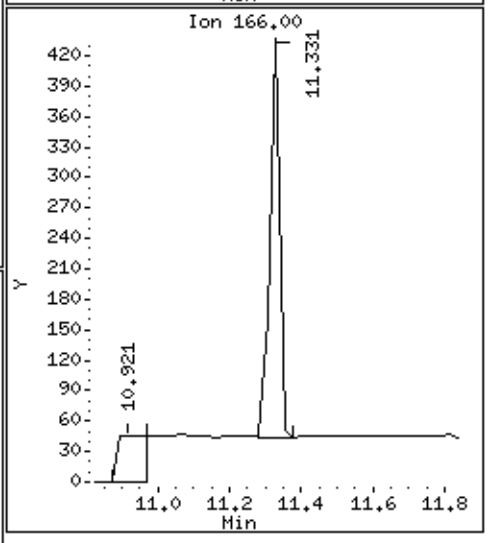
29 Tetrachloroethene

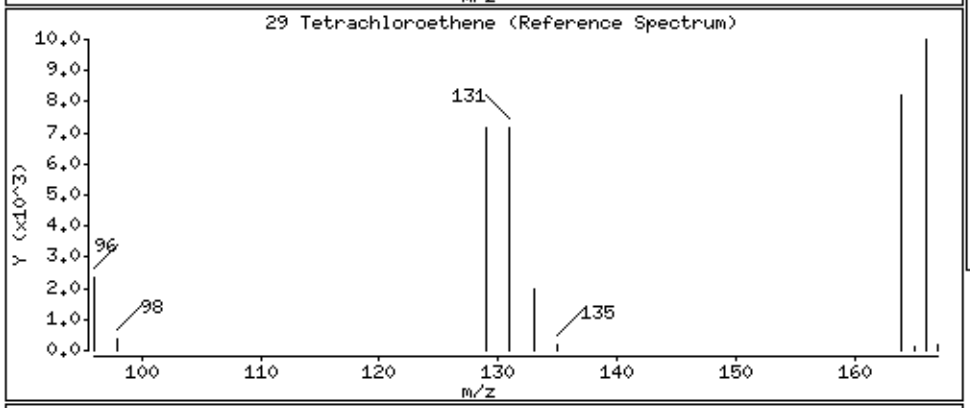
Concentration: 0.0676162 ug

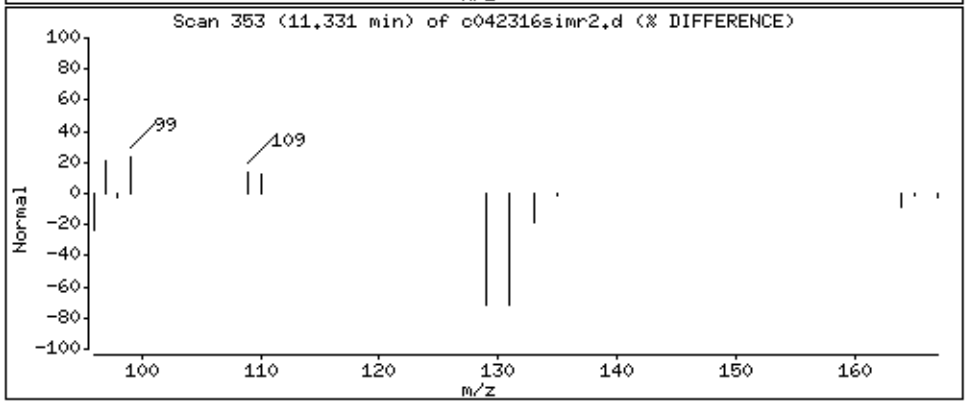












Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

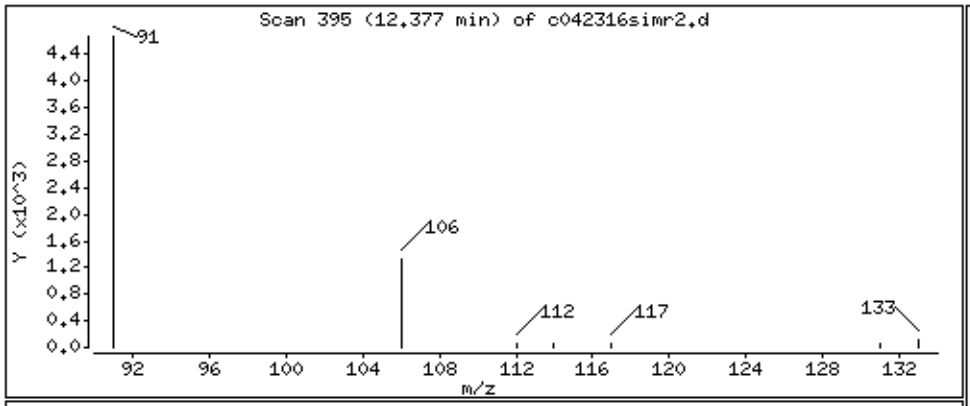
Operator: gm

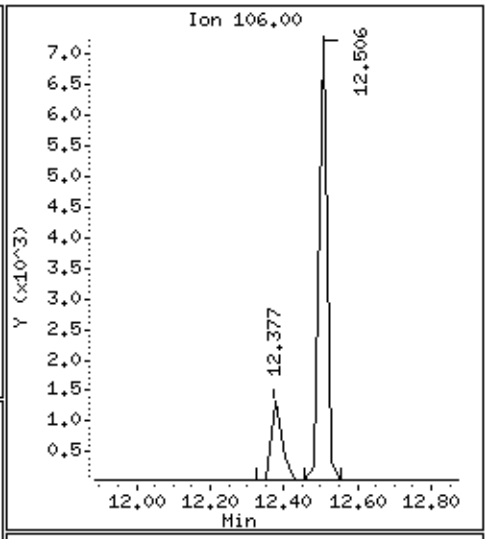
Column phase: DB-5.625

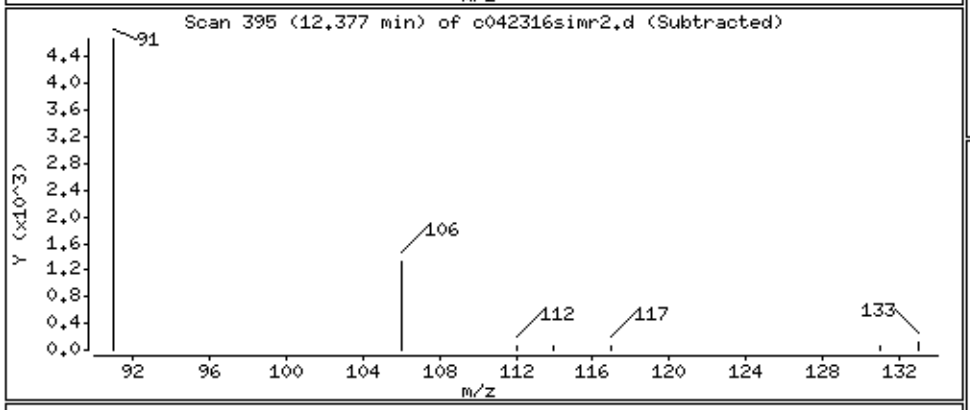
Column diameter: 0.25

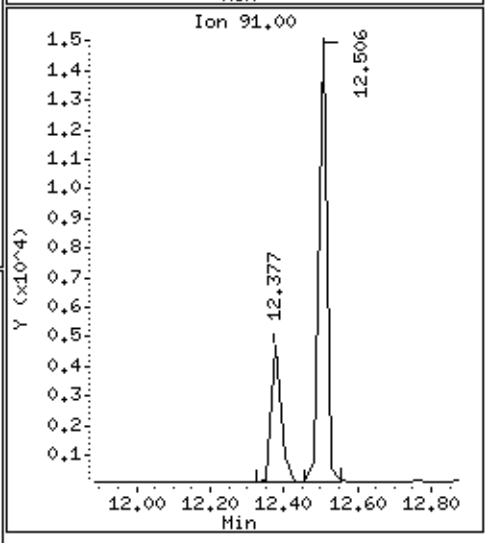
31 Ethylbenzene-CCC

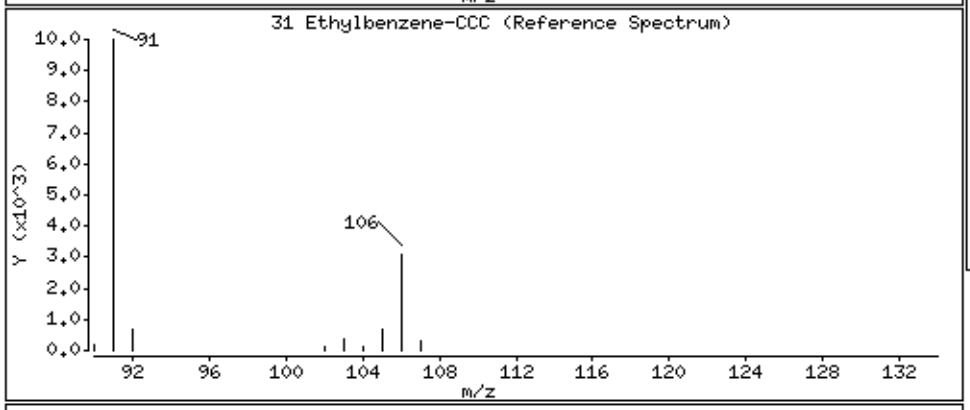
Concentration: 0.207336 ug

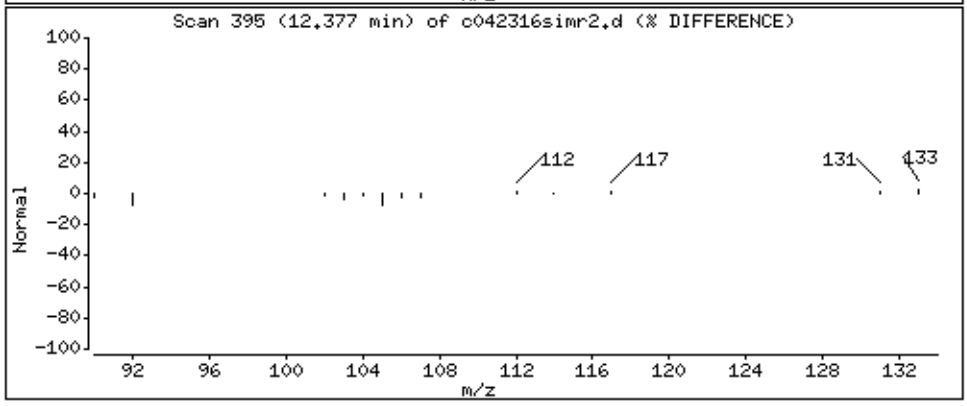












Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

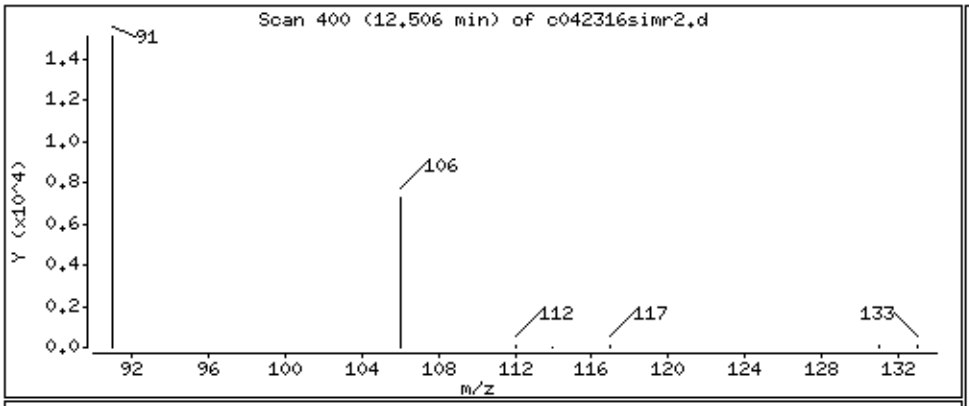
Operator: gm

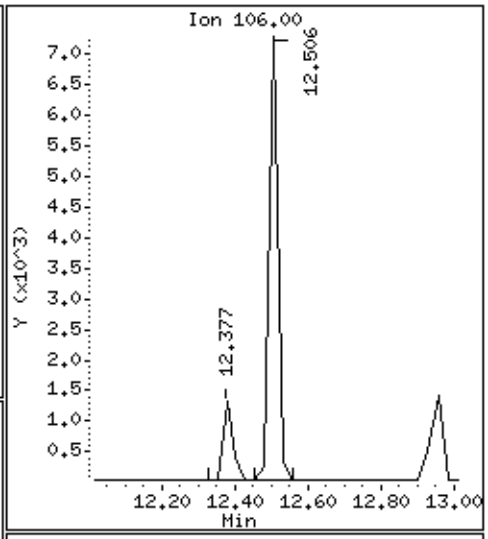
Column phase: DB-5.625

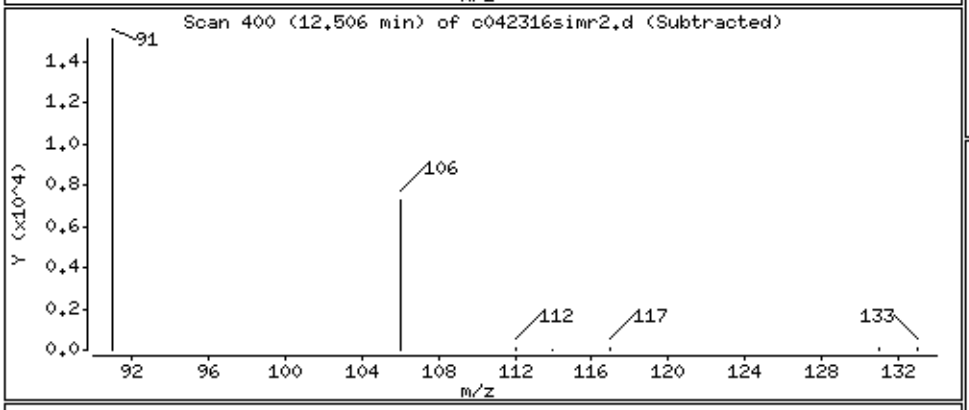
Column diameter: 0.25

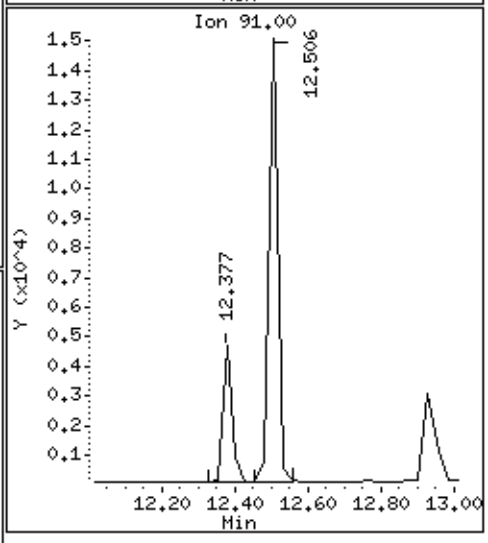
33 m,p-Xylene

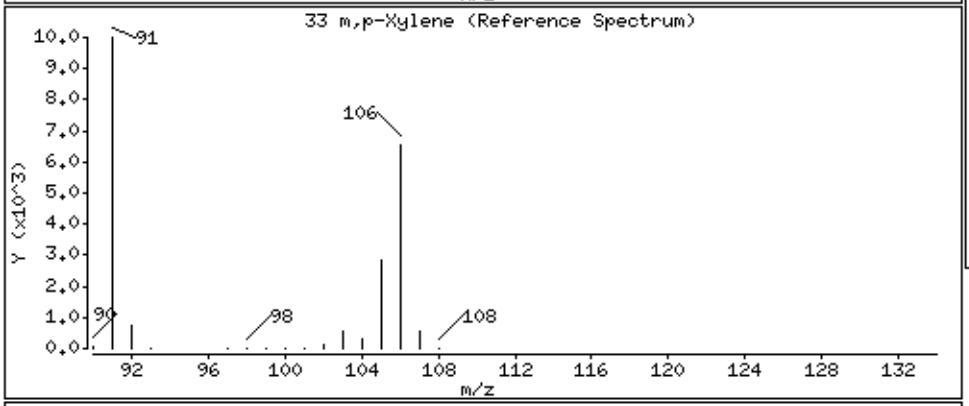
Concentration: 0.699896 ug

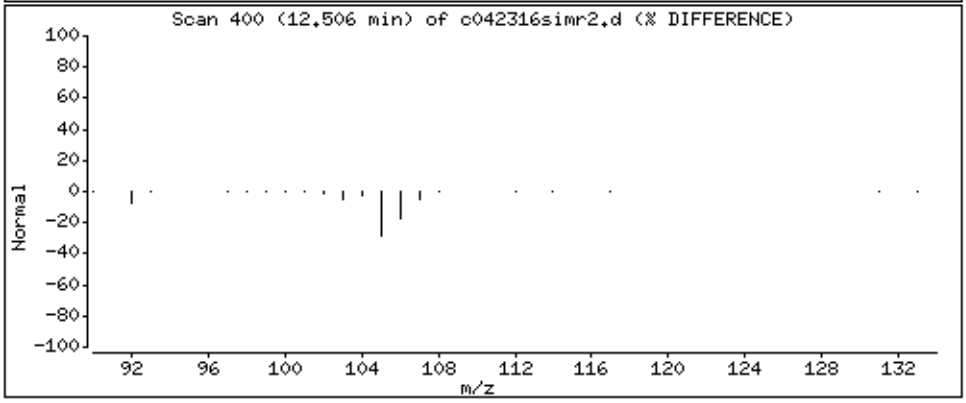












Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

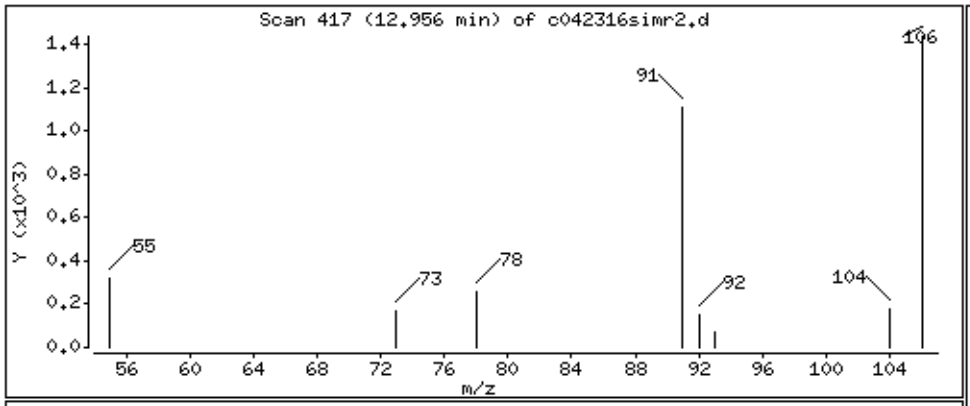
Operator: gm

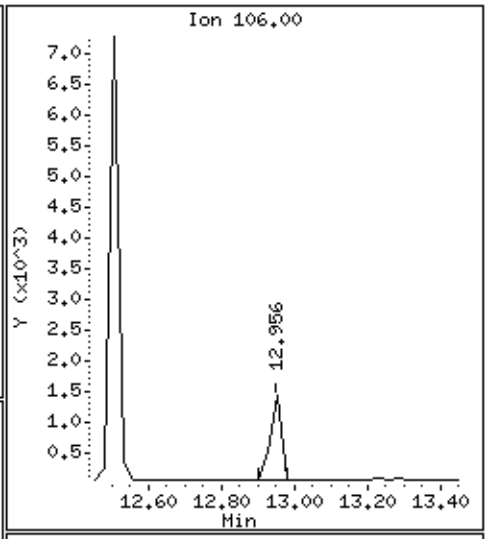
Column phase: DB-5.625

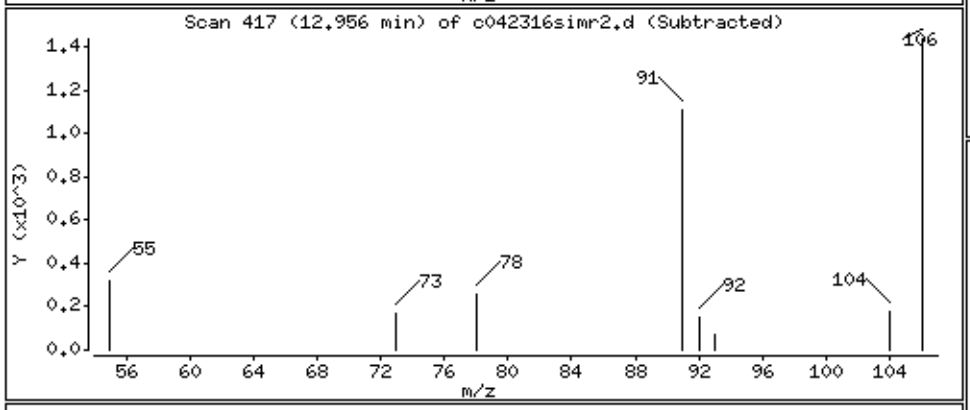
Column diameter: 0.25

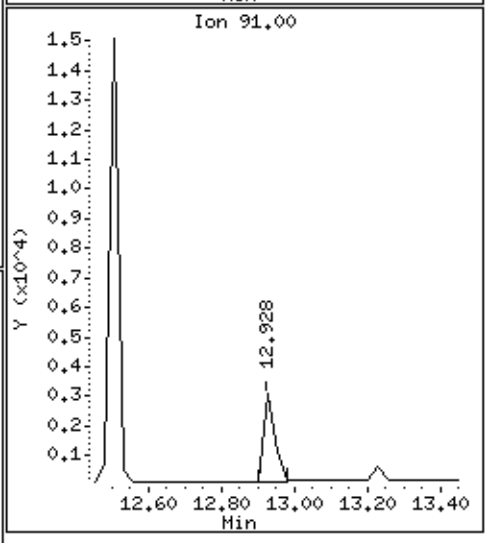
34 o-Xylene

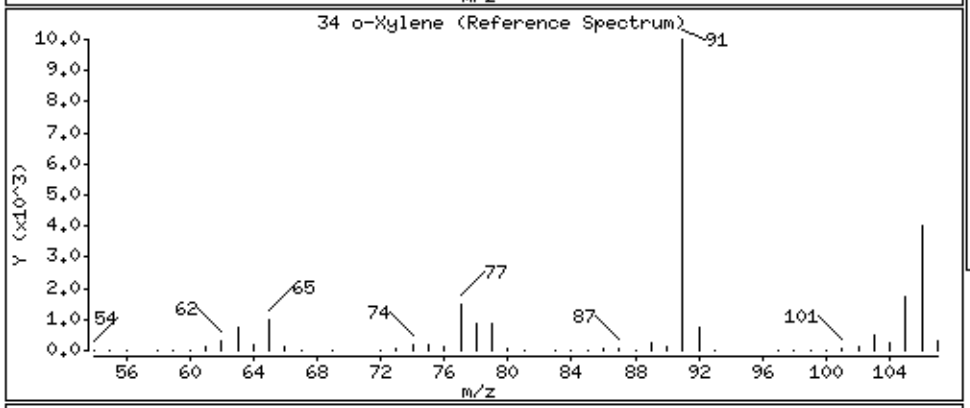
Concentration: 0.224491 ug

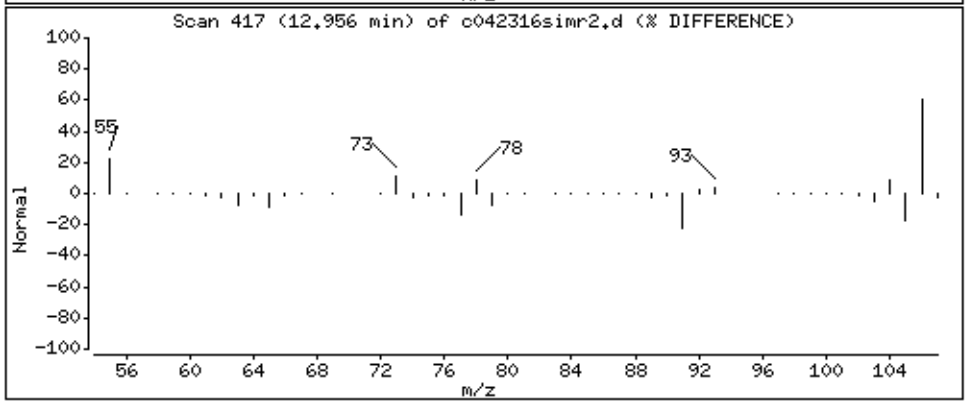












Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

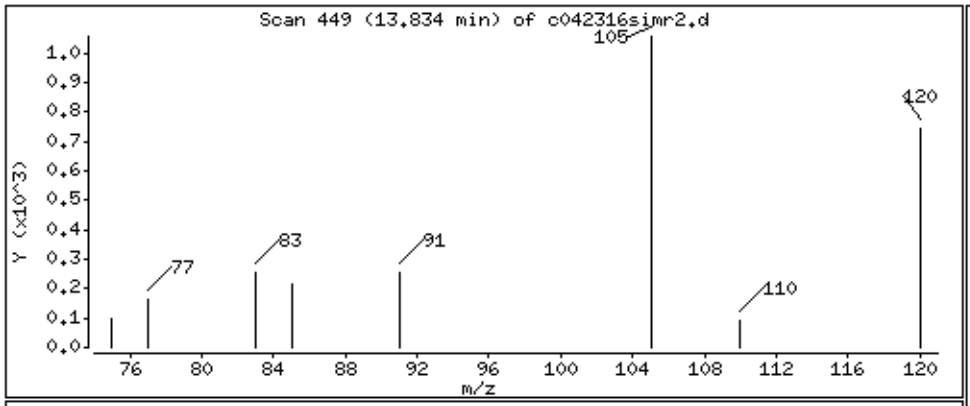
Operator: gm

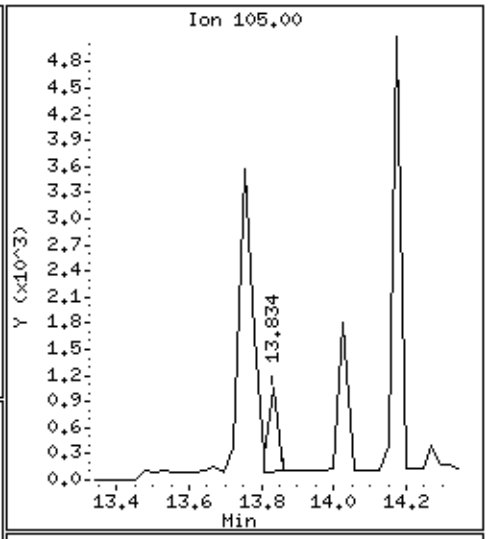
Column phase: DB-5.625

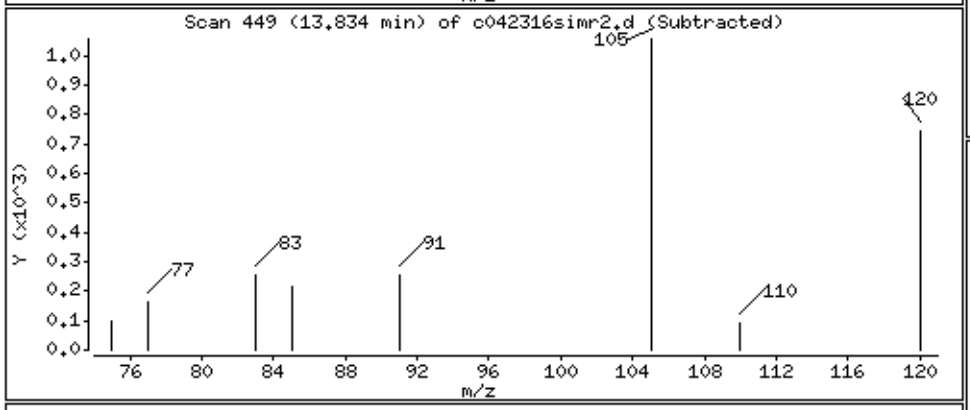
Column diameter: 0.25

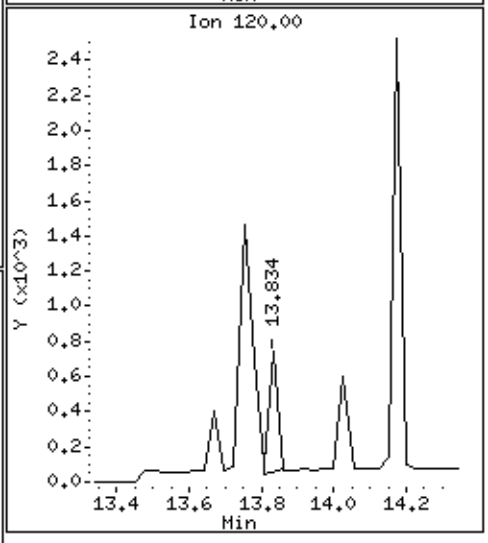
40 1,3,5-Trimethylbenzene

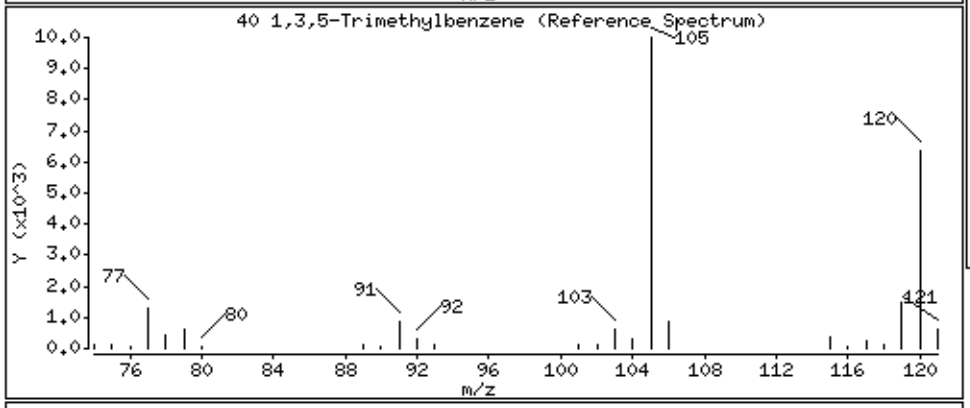
Concentration: 0.0615250 ug

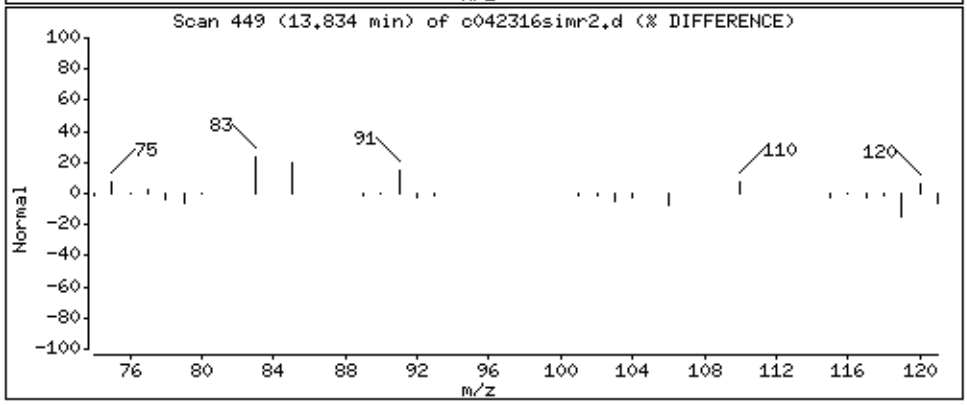












Data File: /chem/msdc.i/23Apr2015.b/c042316simr2.d

Date : 23-APR-2015 15:27

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R2-08A;

Volume Injected (uL): 1.0

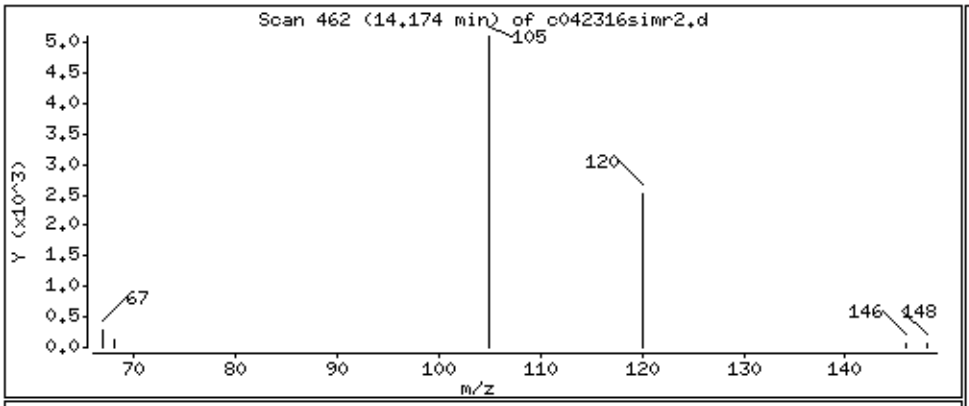
Operator: gm

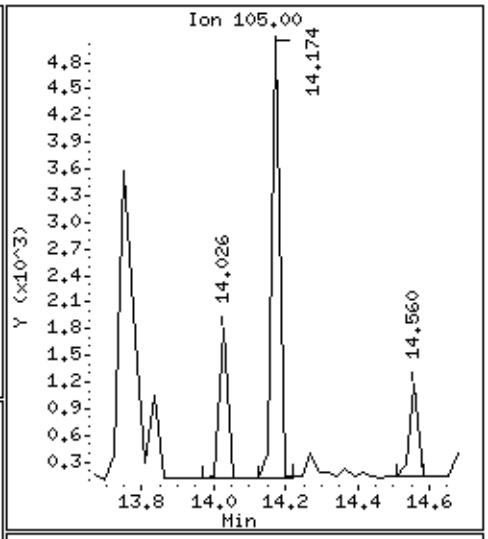
Column phase: DB-5.625

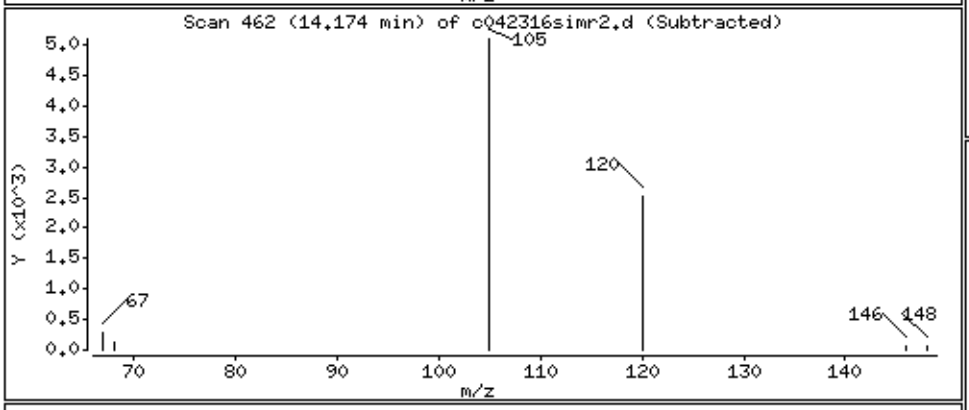
Column diameter: 0.25

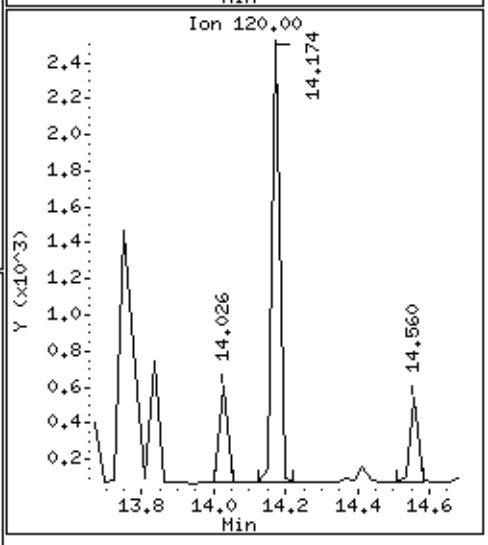
41 1,2,4-Trimethylbenzene

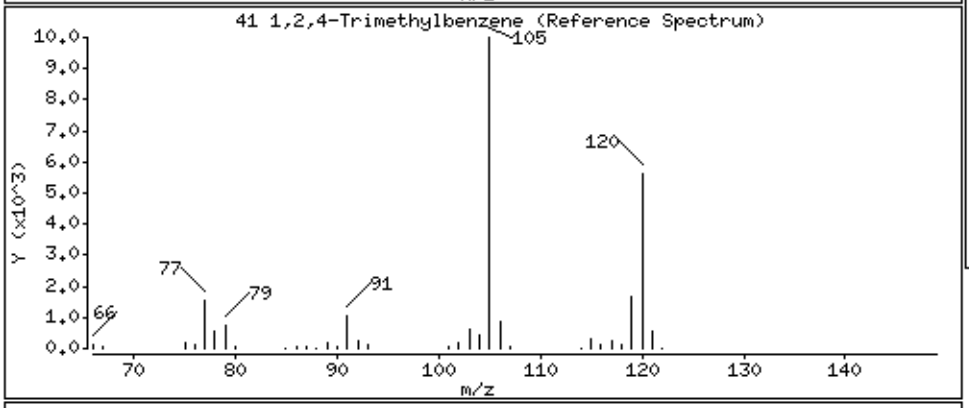
Concentration: 0.198585 ug

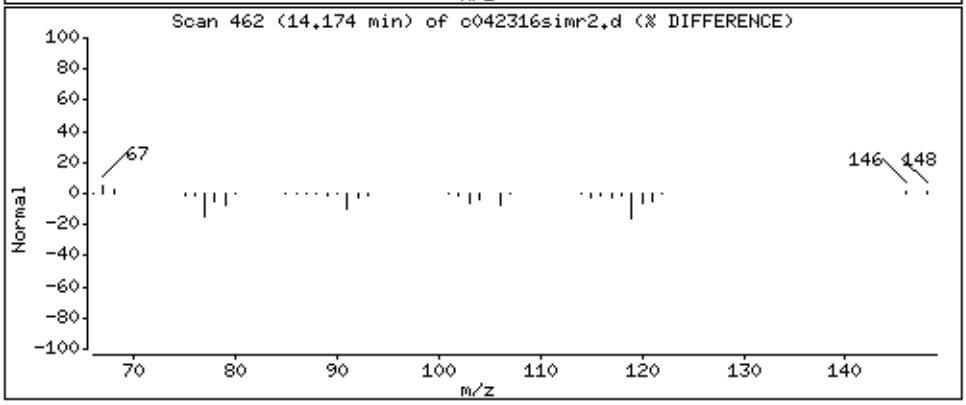












eurofins | Air Toxics

Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: 5215-CS01-0415

Lab ID#: 1504309R2-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Benzene	0.40	0.48	0.60	0.71
1,2-Dichloroethane	0.10	0.12	0.041 J	0.051 J
Toluene	0.10	0.13	1.4	1.8
Tetrachloroethene	0.10	0.16	0.055 J	0.089 J
Ethyl Benzene	0.10	0.14	0.21	0.30
m,p-Xylene	0.10	0.14	0.70	0.96
o-Xylene	0.10	0.15	0.22	0.32
1,2,4-Trimethylbenzene	0.10	0.19	0.19	0.36
1,3,5-Trimethylbenzene	0.10	0.18	0.055 CJ	0.099 CJ

eurofins | Air Toxics

Client Sample ID: 5215-CS01-0415

Lab ID#: 1504309R2-09A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042317simr1**	**Date of Collection: 4/17/15 12:55:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 03:52 PM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	0.60	0.71
1,2-Dichloroethane	0.10	0.12	0.041 J	0.051 J
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Toluene	0.10	0.13	1.4	1.8
Tetrachloroethene	0.10	0.16	0.055 J	0.089 J
Ethyl Benzene	0.10	0.14	0.21	0.30
m,p-Xylene	0.10	0.14	0.70	0.96
o-Xylene	0.10	0.15	0.22	0.32
Naphthalene	0.10	0.38	Not Detected	Not Detected
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	0.19	0.36
1,3,5-Trimethylbenzene	0.10	0.18	0.055 CJ	0.099 CJ
Vinyl Chloride	0.40	0.42	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.8F , duration time = 10155 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	109	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042317simr1.d
Lab Smp Id: 1504309R1-09A
Inj Date : 23-APR-2015 15:52
Operator : gm Inst ID: msdc.i
Smp Info : ;1504309R1-09A;
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 10-May-2015 12:15 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2	Vinyl Chloride	62	Compound Not Detected.					
4	1,1-Dichloroethene-CCC	96	Compound Not Detected.					
8	trans-1,2-Dichloroethene	96	Compound Not Detected.					
11	1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
14	cis-1,2-Dichloroethene	96	Compound Not Detected.					
17	1,1,1-Trichloroethane	97	Compound Not Detected.					
19	Benzene	78	8.634	8.603	(0.785)	19164	0.29910	0.598202
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	608	0.02065	0.0413023(a)
22	Trichloroethene	130	Compound Not Detected.					
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	330767	5.44688	10.8938
26	Toluene-CCC	92	10.729	10.728	(0.976)	37585	0.71653	1.43305
* 27	2-Fluorotoluene	109	10.994	10.993	(1.000)	368927	5.00000	
28	1,1,2-Trichloroethane	97	Compound Not Detected.					
29	Tetrachloroethene	164	11.331	11.331	(1.031)	667	0.02764	0.0552806(a)
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	3572	0.10590	0.211805
33	m,p-Xylene	106	12.506	12.506	(1.138)	16607	0.35186	0.703713

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	12.956	12.956	(1.178)	4130	0.11010	0.220208
40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	2344	0.02769	0.0553725(aM)
41 1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	10117	0.09474	0.189481
48 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042317simr1.d
Lab Smp Id: 1504309R1-09A
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	368927	13.67

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 10-May-2015 12:28

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504309R1-09A
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	10.8938	108.94	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

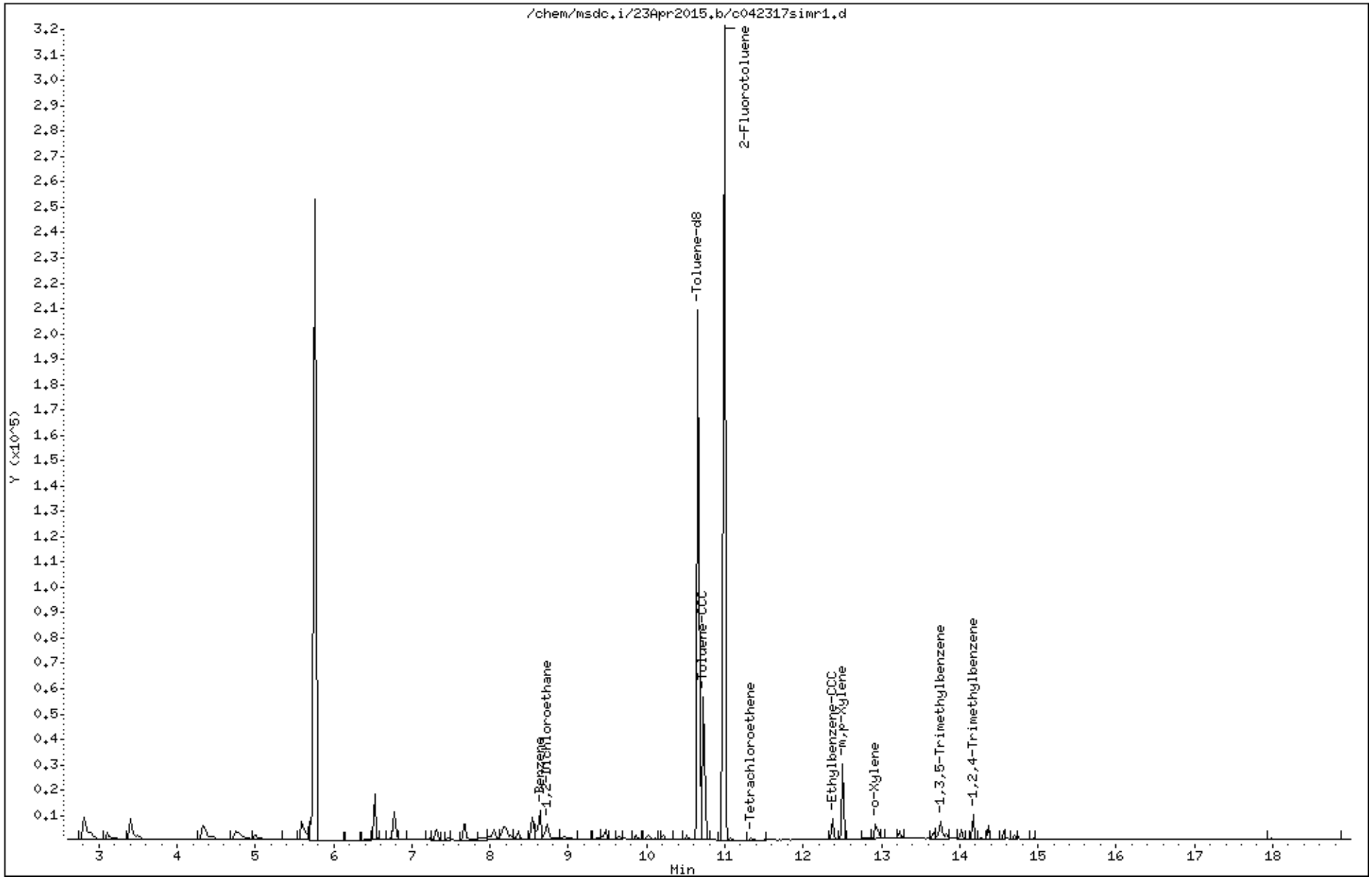
Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

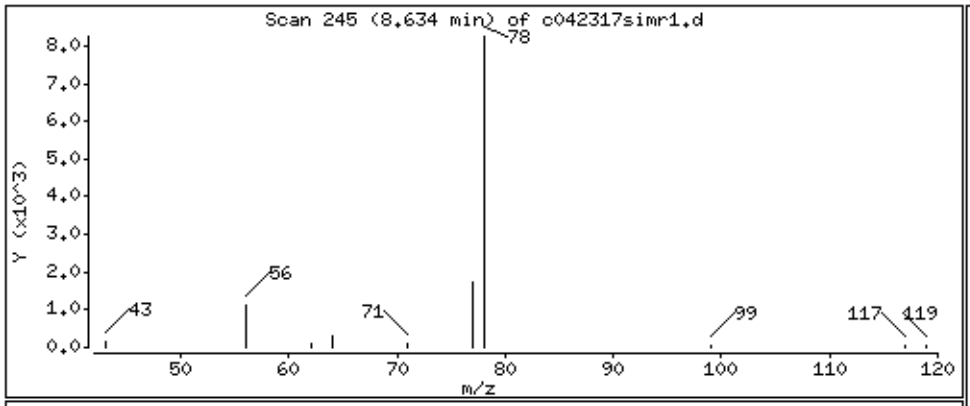
Operator: gm

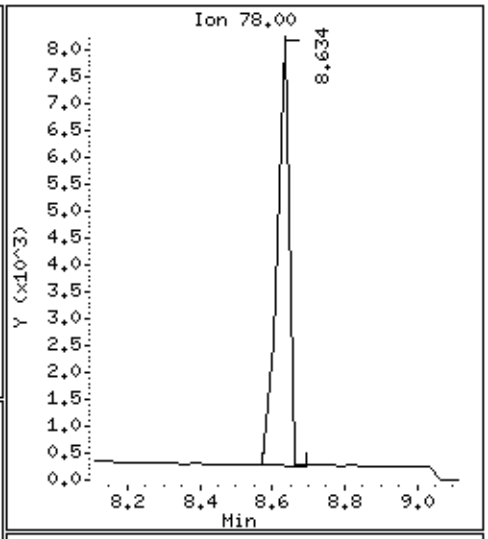
Column phase: DB-5.625

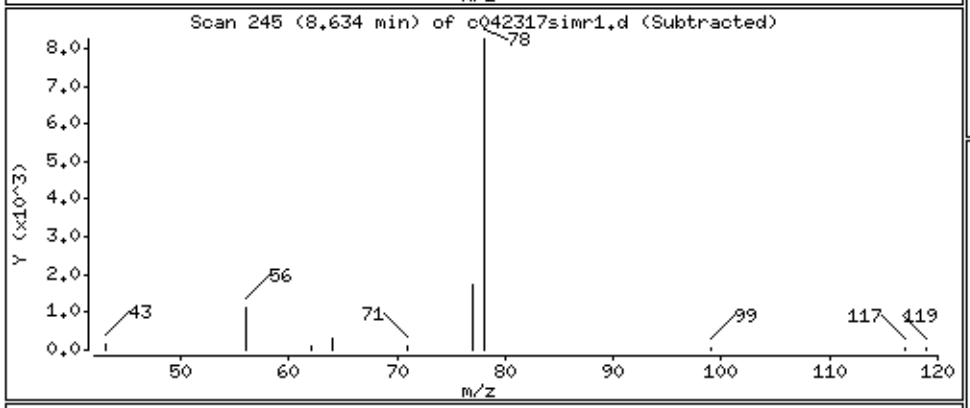
Column diameter: 0.25

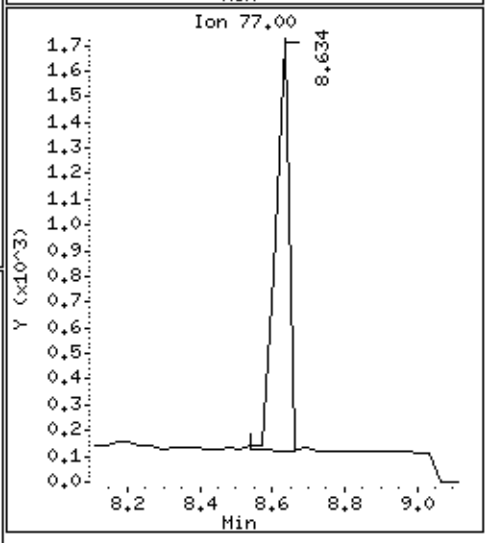
19 Benzene

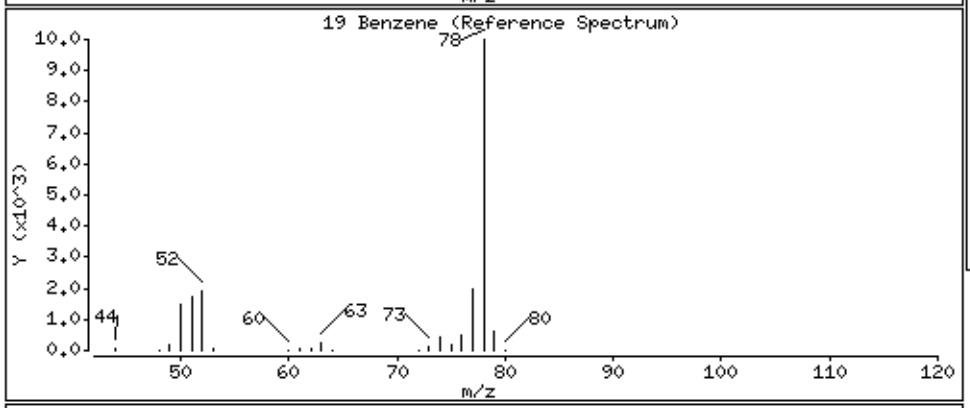
Concentration: 0.598202 ug

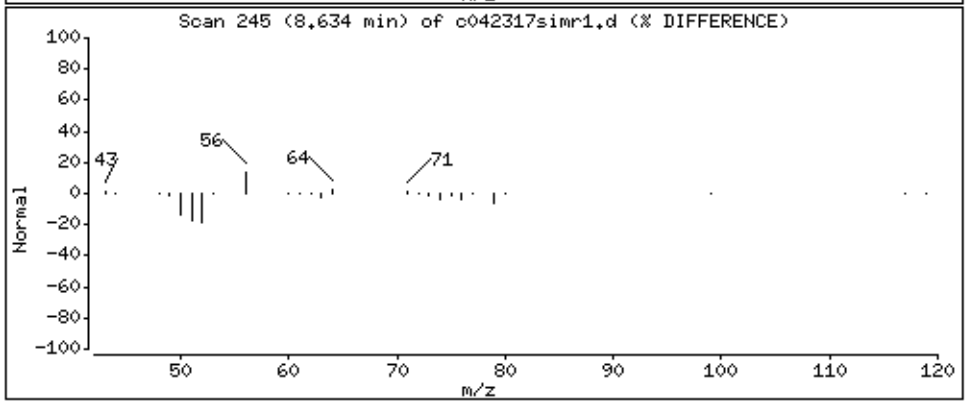












Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

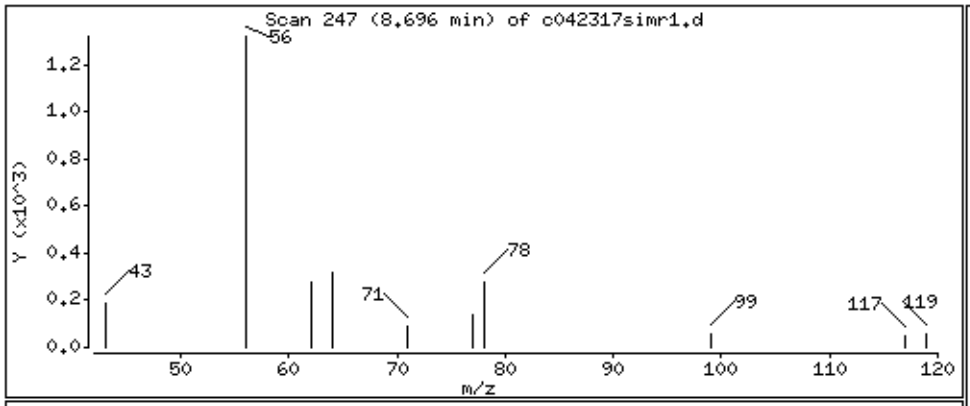
Operator: gm

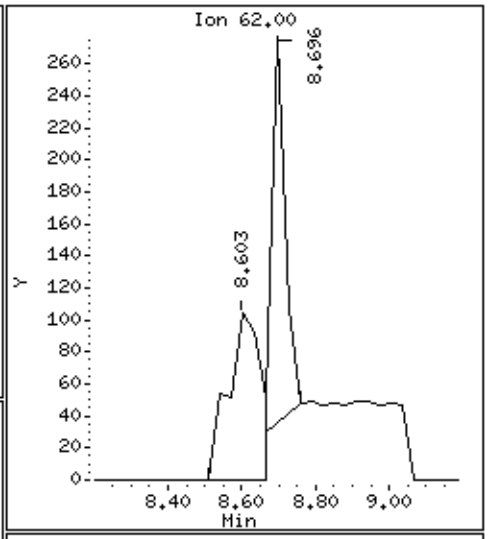
Column phase: DB-5.625

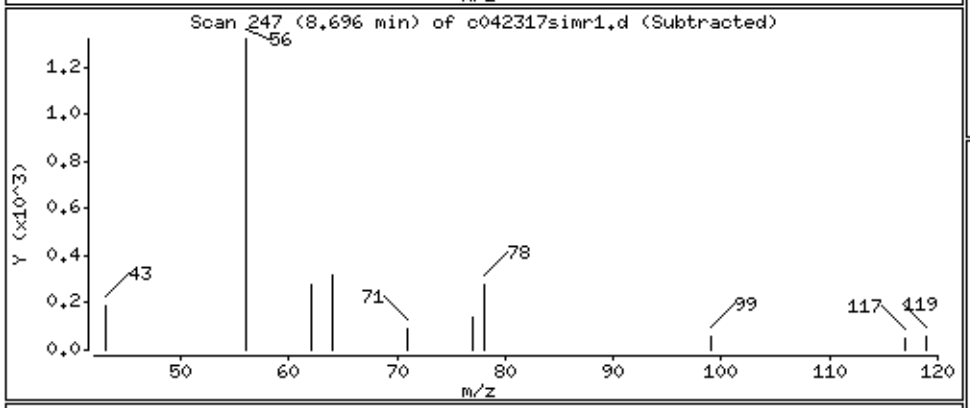
Column diameter: 0.25

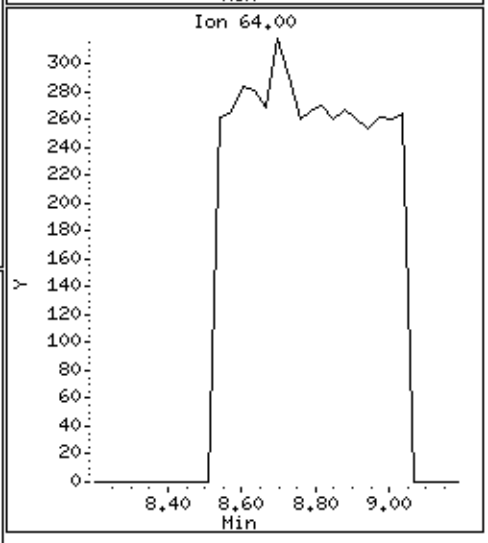
20 1,2-Dichloroethane

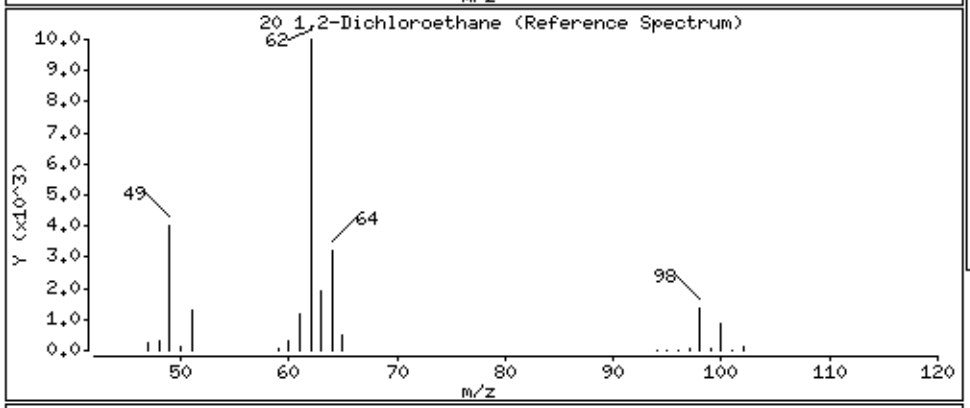
Concentration: 0.0413023 ug

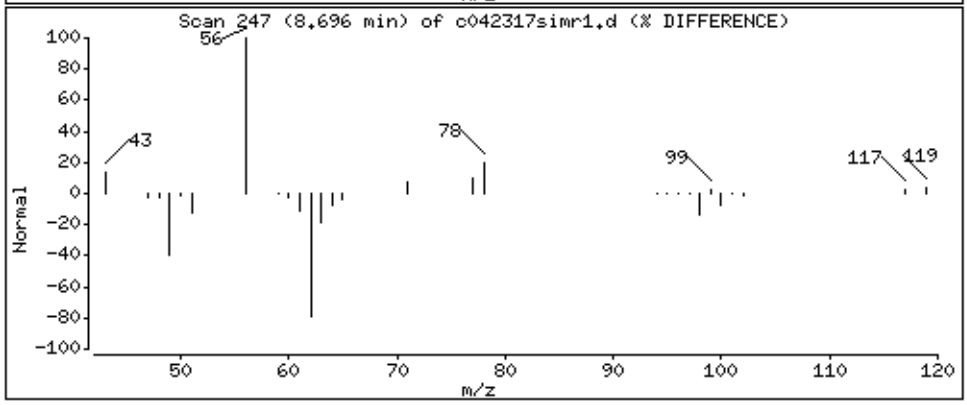












Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

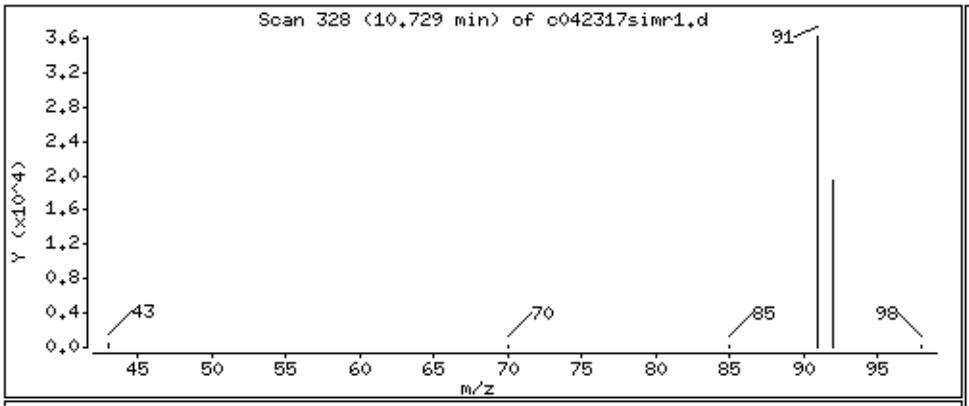
Operator: gm

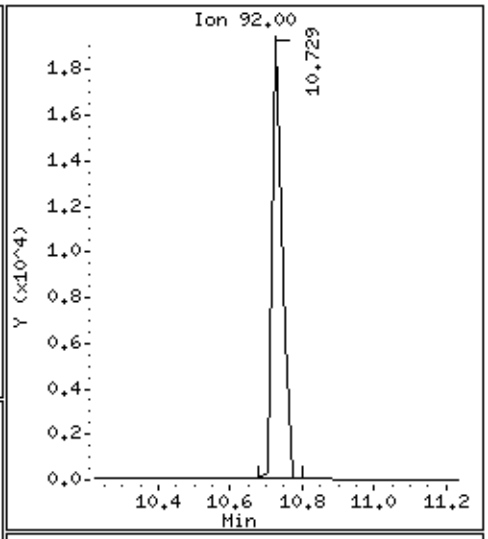
Column phase: DB-5.625

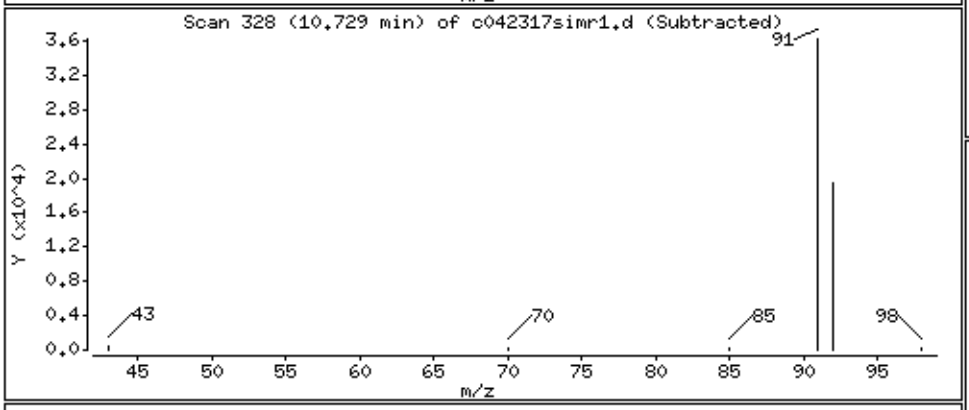
Column diameter: 0.25

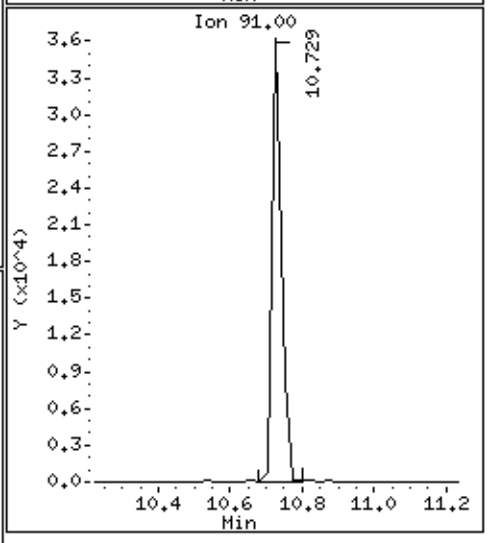
26 Toluene-CCC

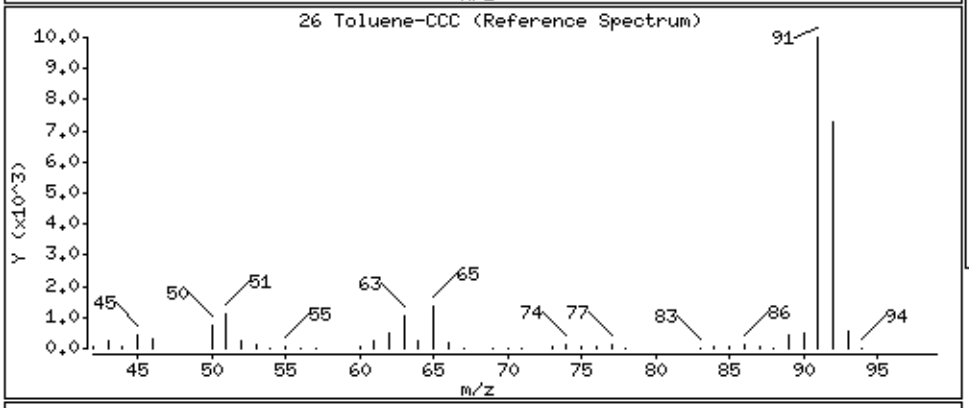
Concentration: 1.43305 ug

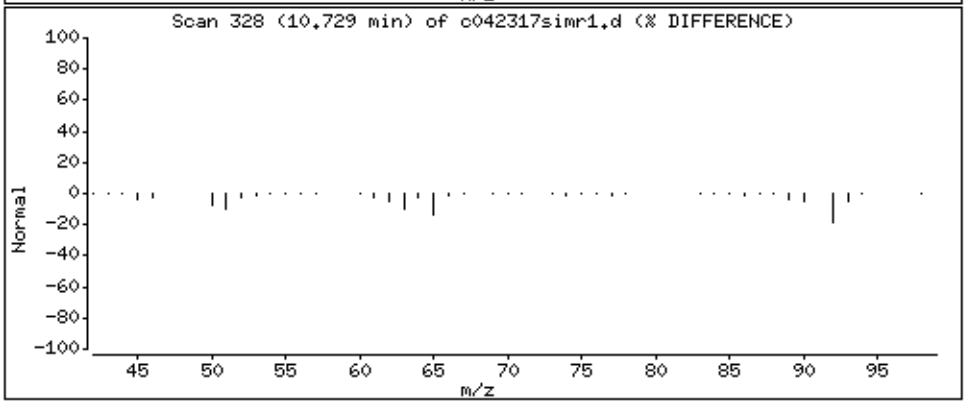












Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

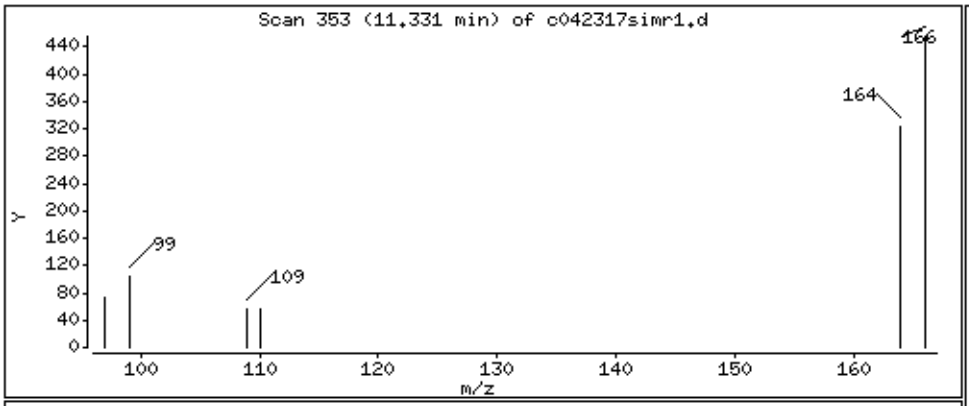
Operator: gm

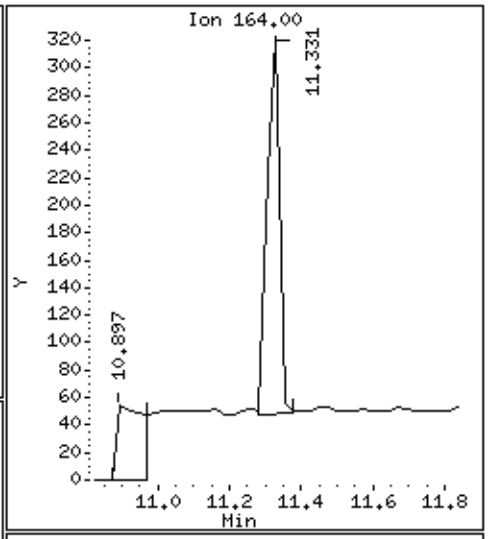
Column phase: DB-5.625

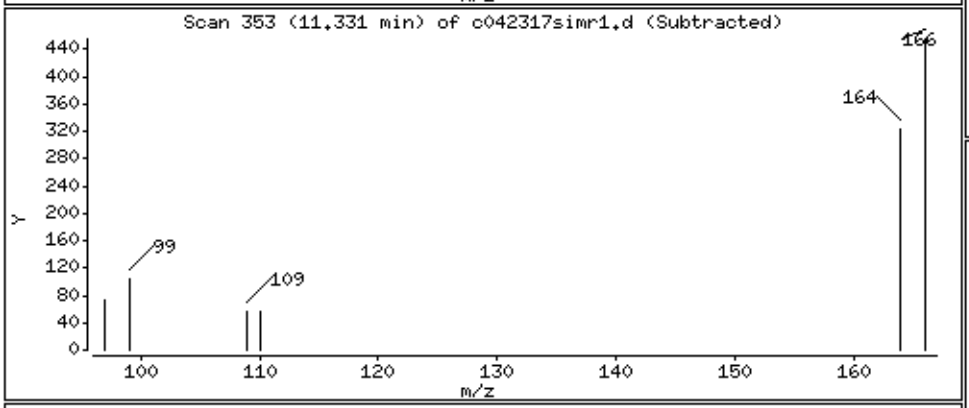
Column diameter: 0.25

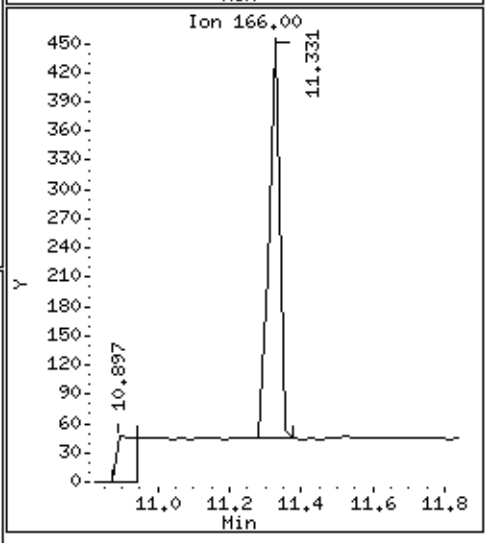
29 Tetrachloroethene

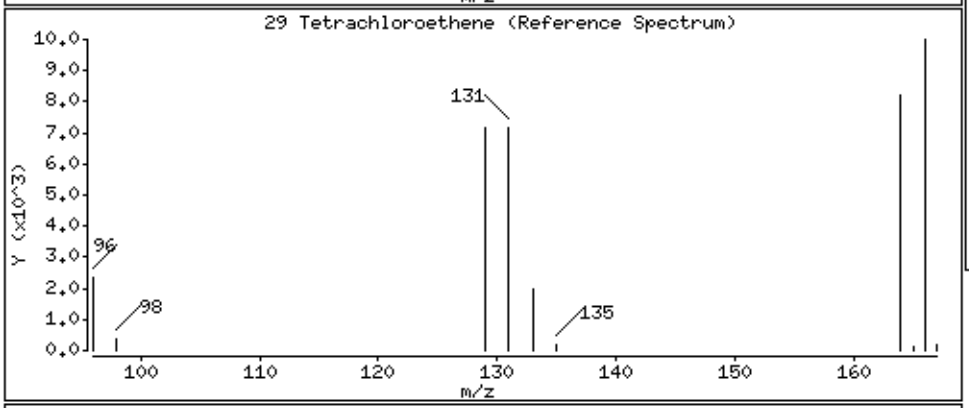
Concentration: 0.0552806 ug

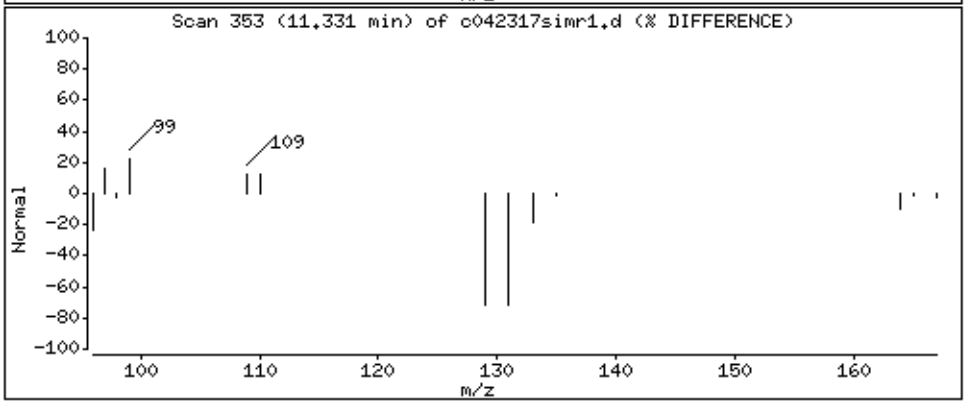












Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

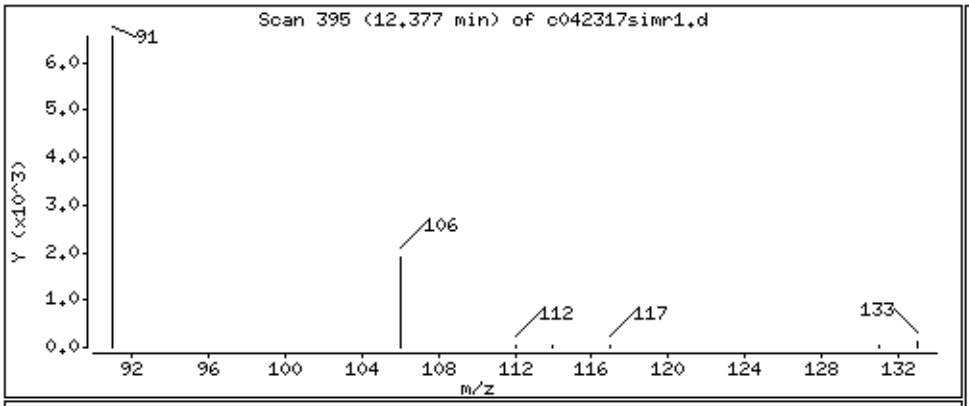
Operator: gm

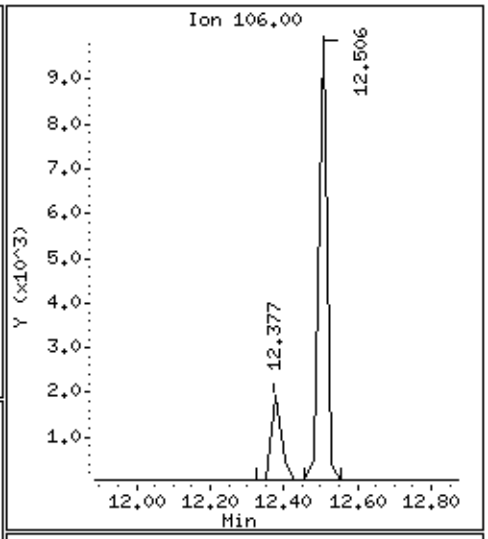
Column phase: DB-5.625

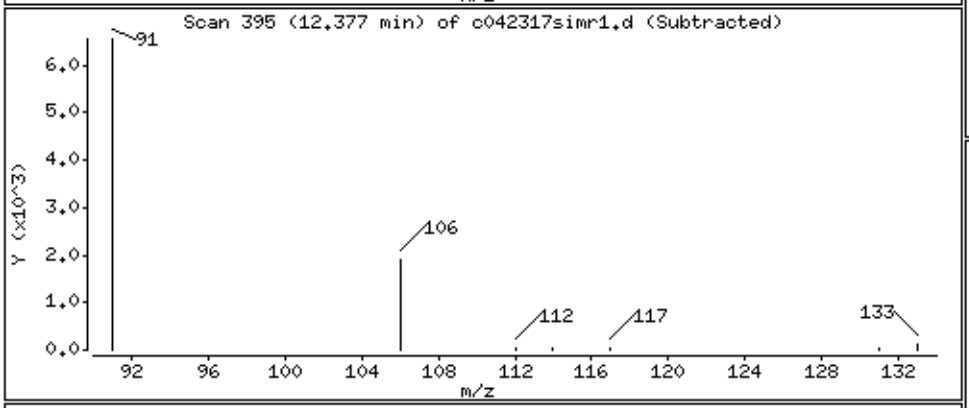
Column diameter: 0.25

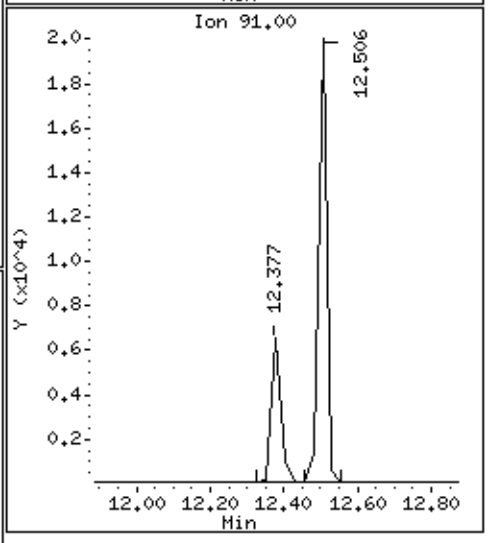
31 Ethylbenzene-CCC

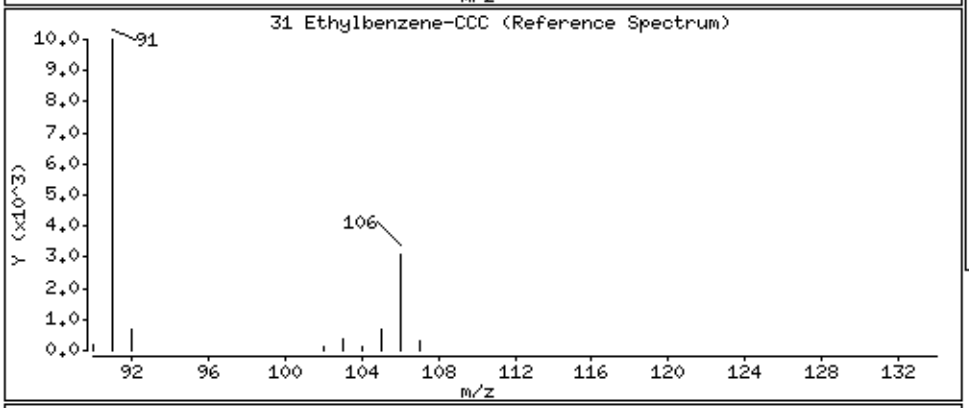
Concentration: 0.211805 ug

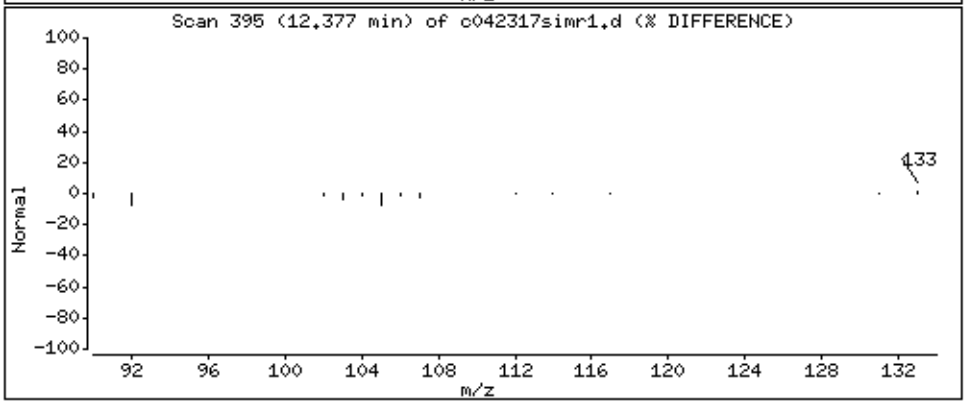












Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

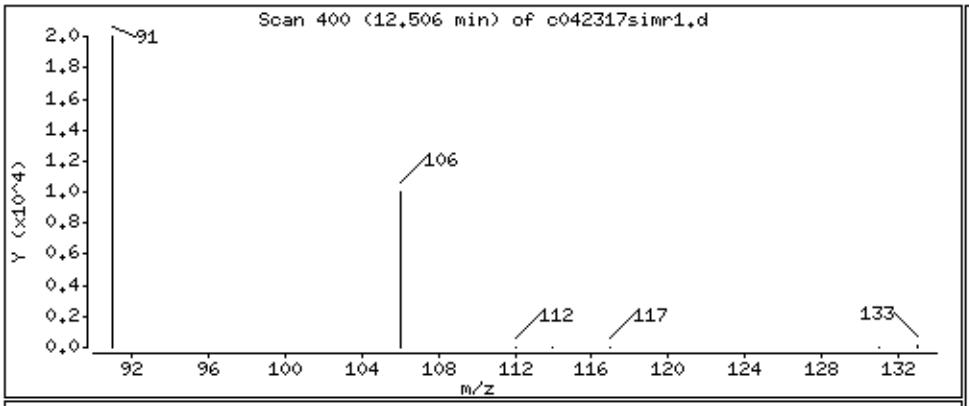
Operator: gm

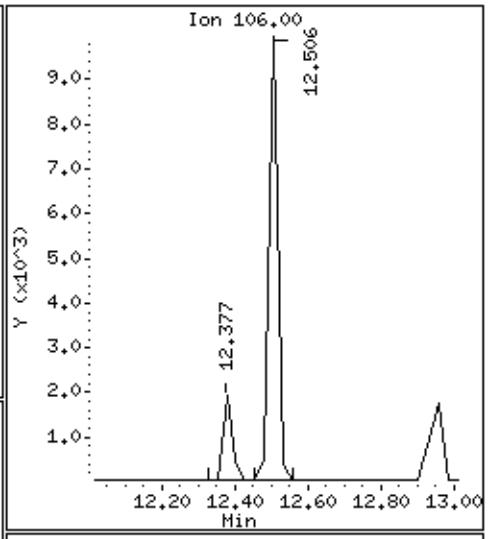
Column phase: DB-5.625

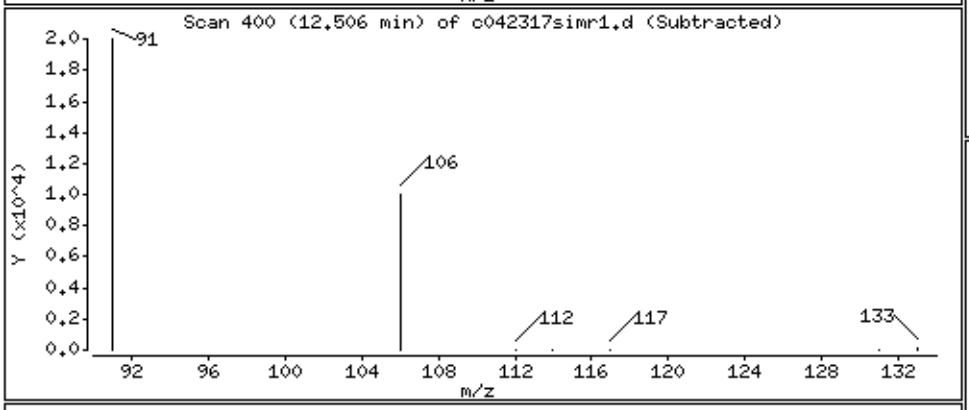
Column diameter: 0.25

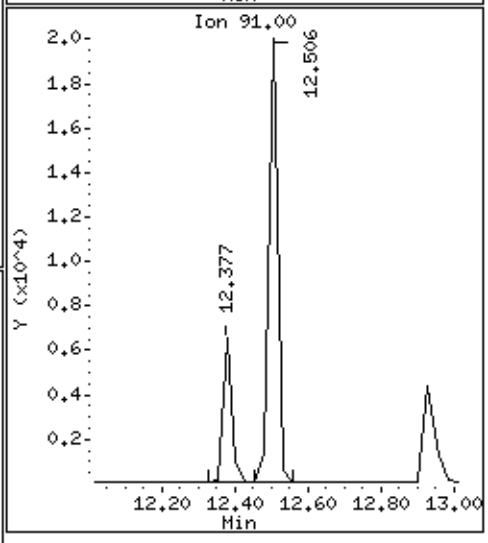
33 m,p-Xylene

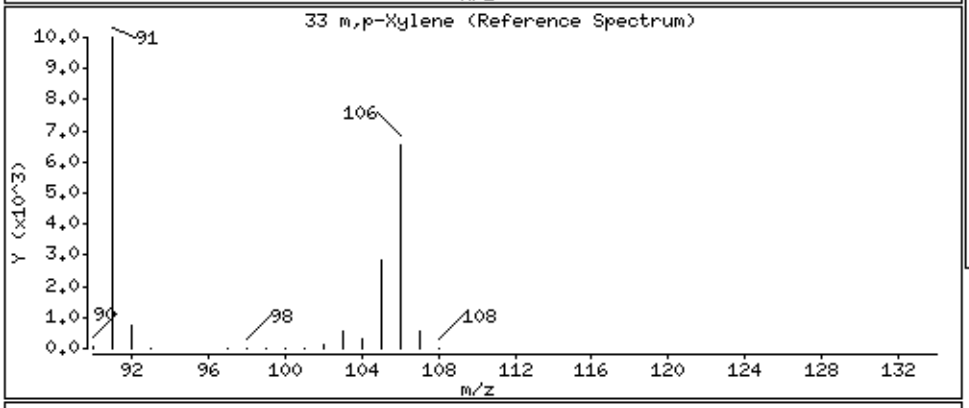
Concentration: 0.703713 ug

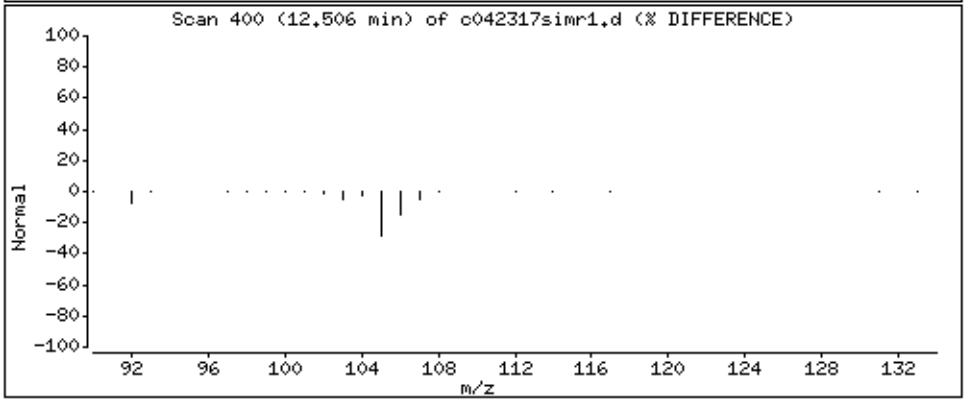












Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

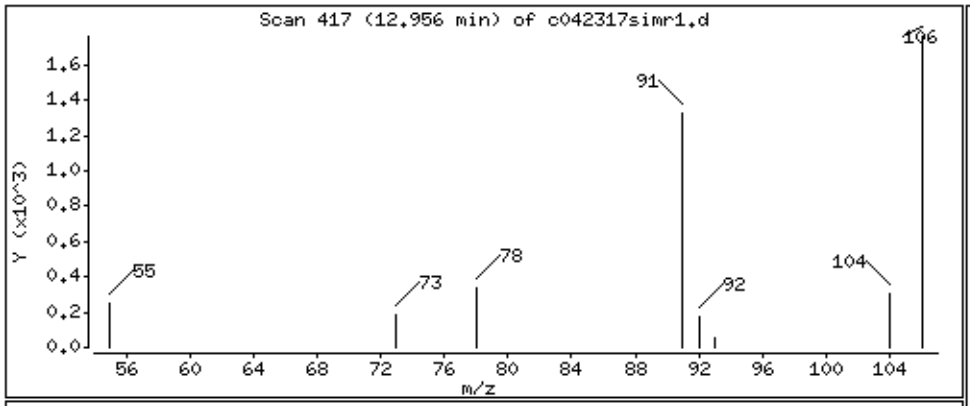
Operator: gm

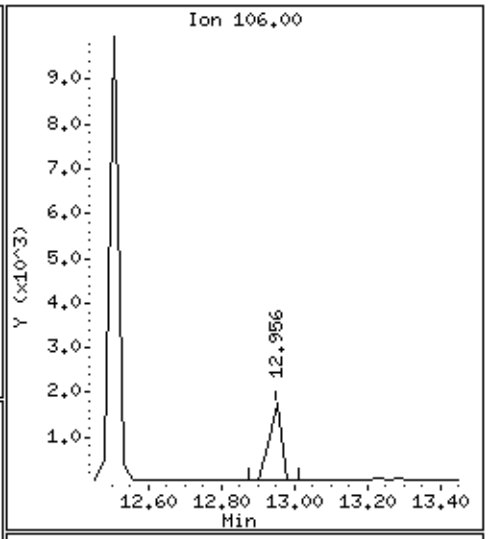
Column phase: DB-5.625

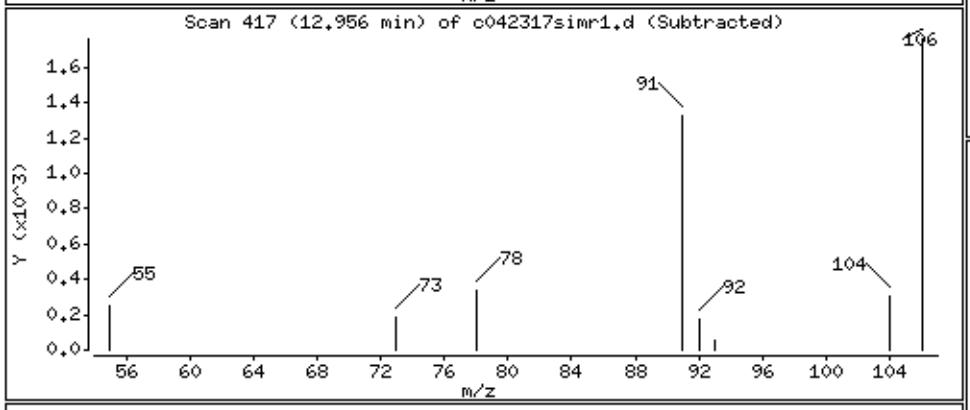
Column diameter: 0.25

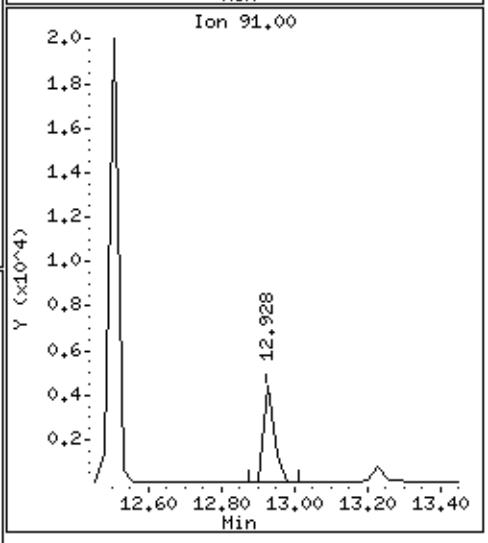
34 o-Xylene

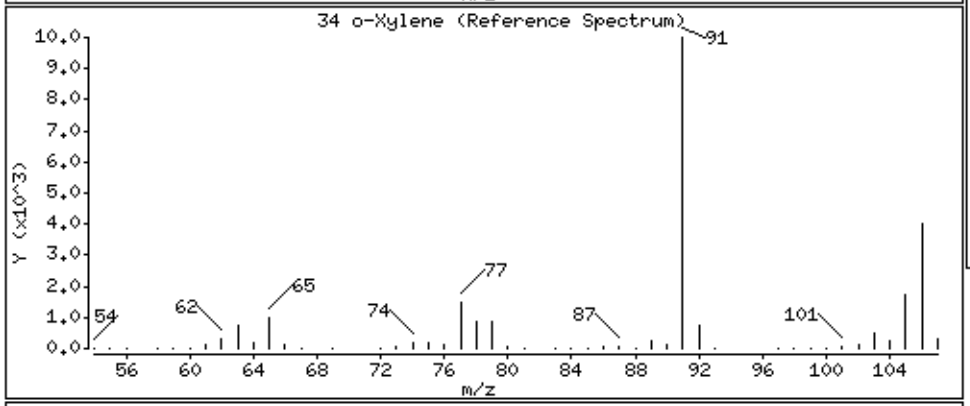
Concentration: 0.220208 ug

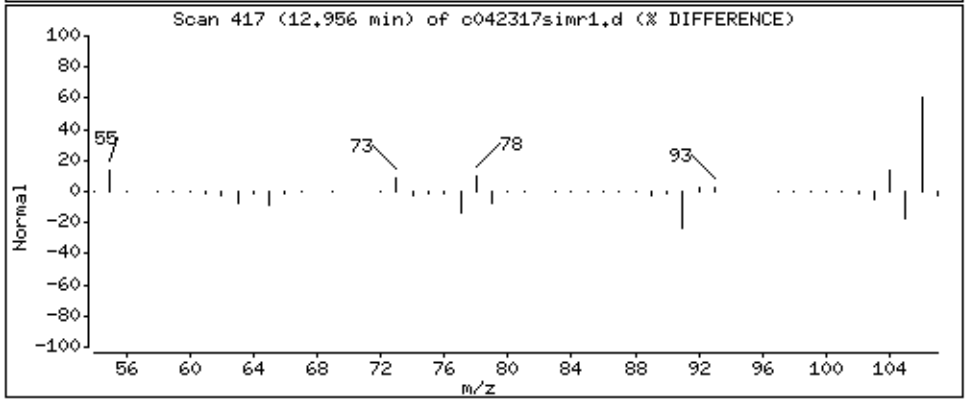












Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

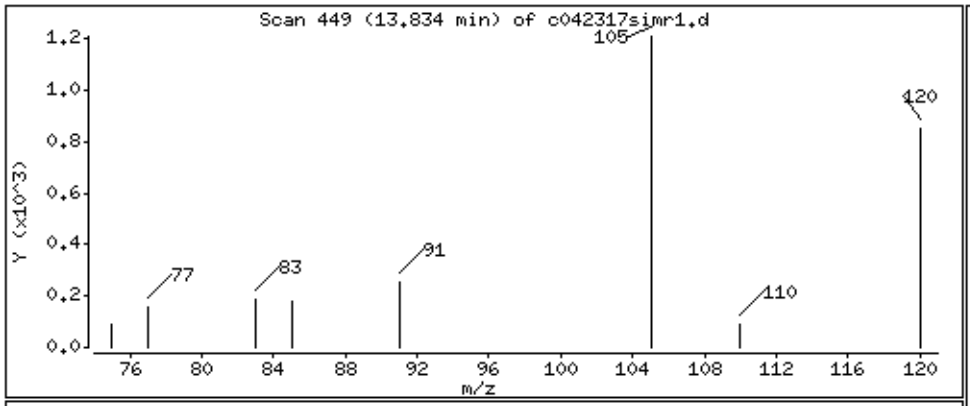
Operator: gm

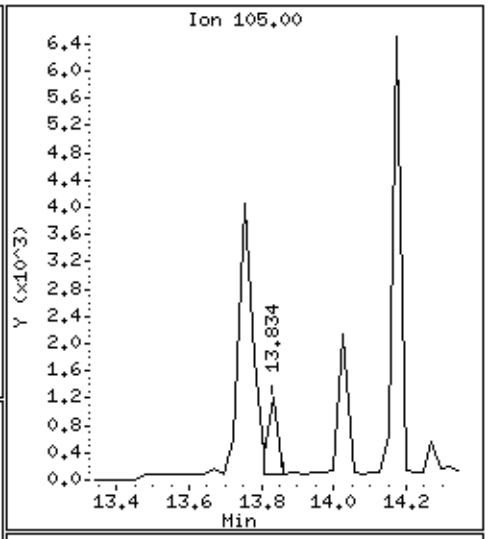
Column phase: DB-5.625

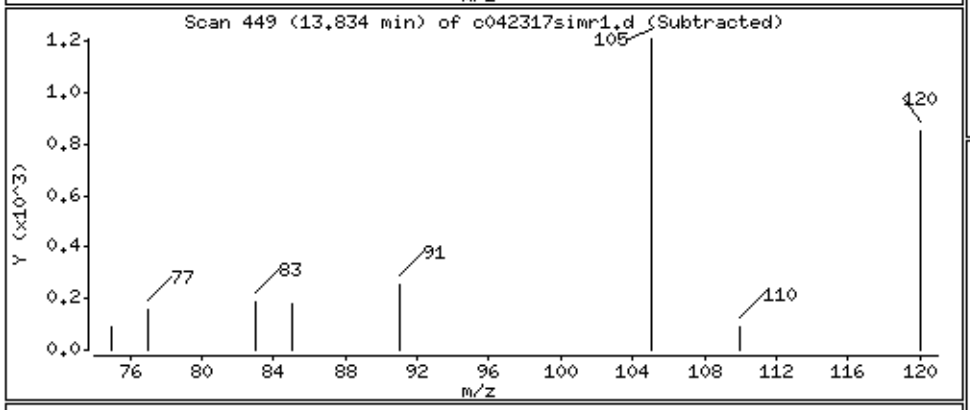
Column diameter: 0.25

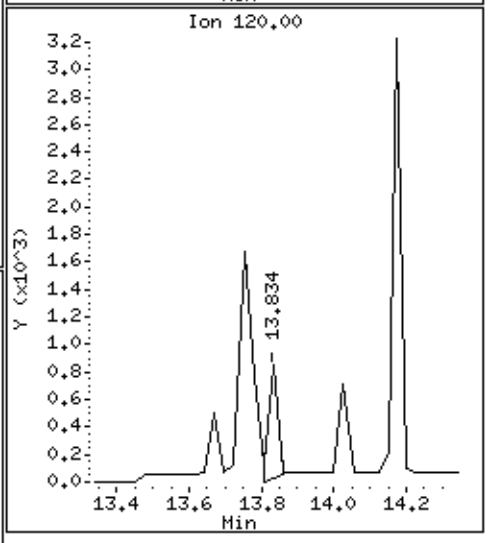
40 1,3,5-Trimethylbenzene

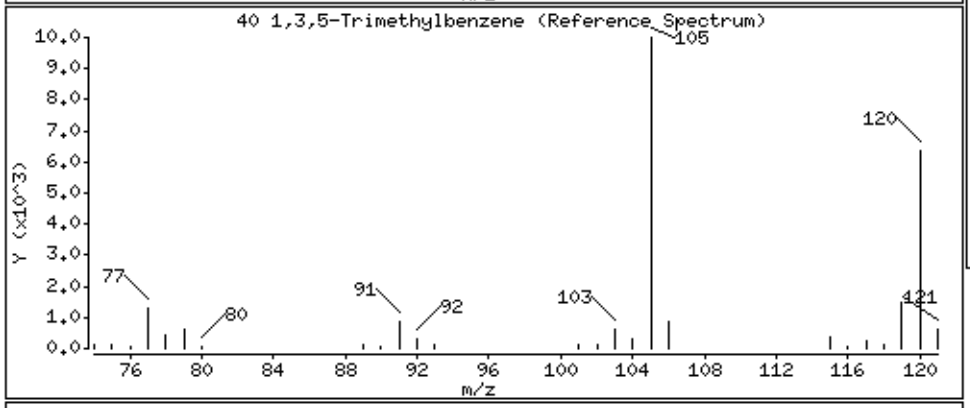
Concentration: 0.0553725 ug

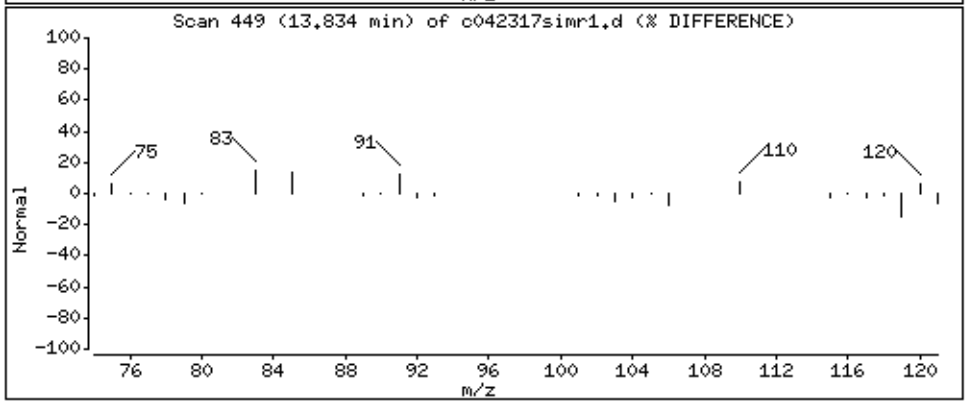












Data File: /chem/msdc.i/23Apr2015.b/c042317simr1.d

Date : 23-APR-2015 15:52

Client ID:

Instrument: msdc.i

Sample Info: ;1504309R1-09A;

Volume Injected (uL): 1.0

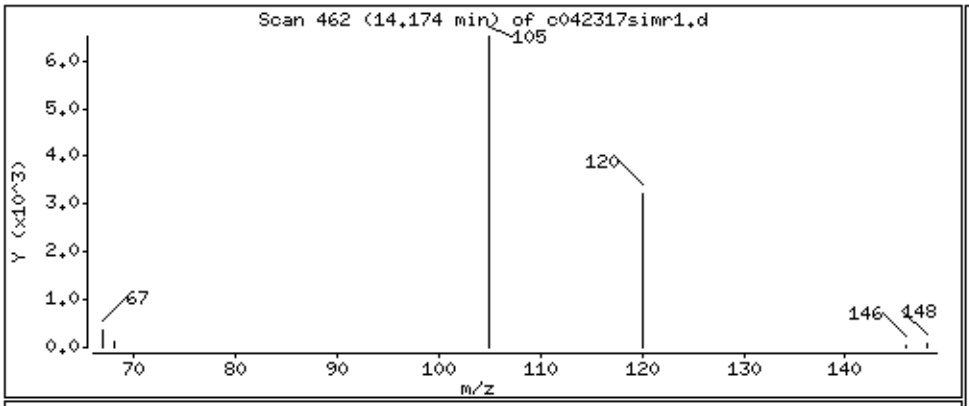
Operator: gm

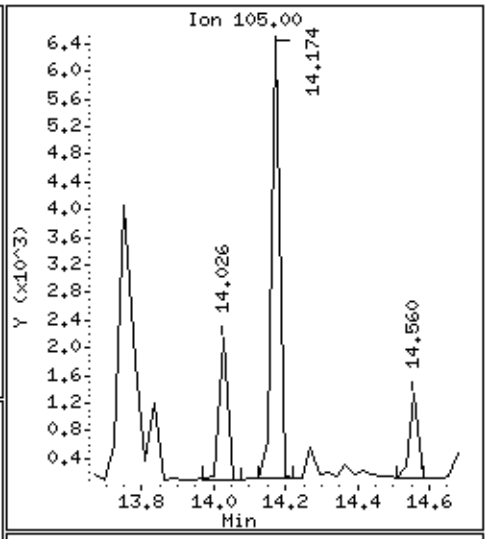
Column phase: DB-5.625

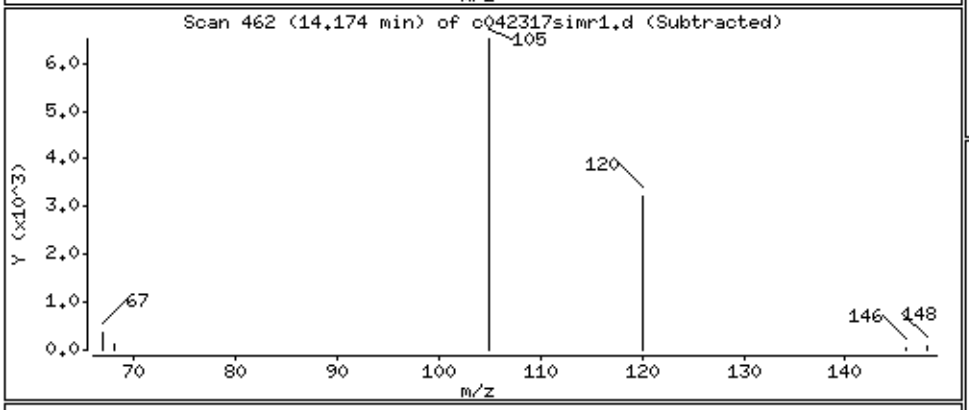
Column diameter: 0.25

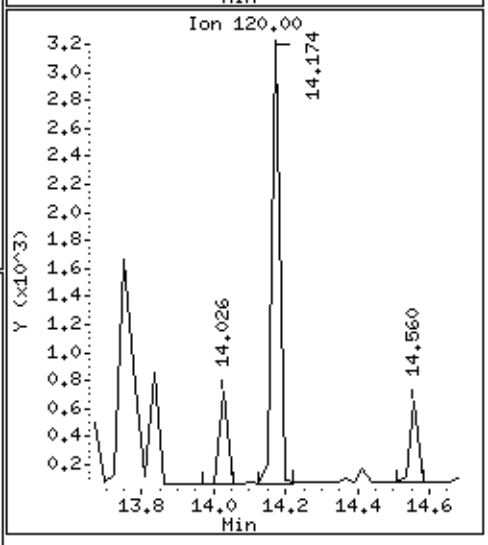
41 1,2,4-Trimethylbenzene

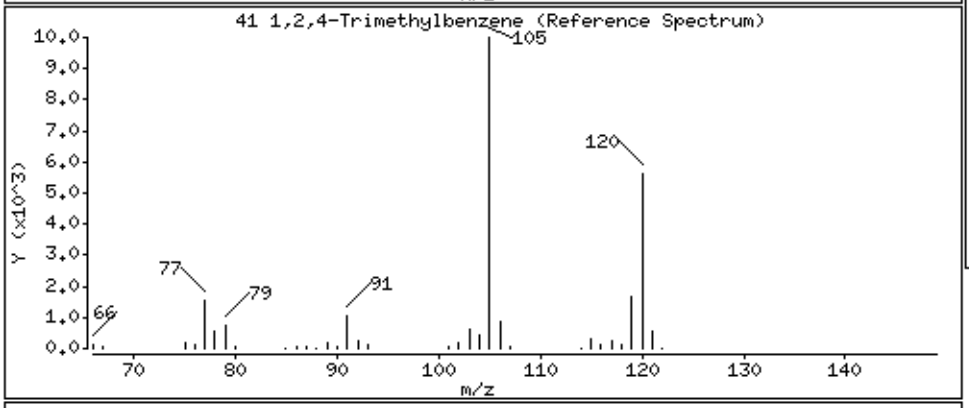
Concentration: 0.189481 ug

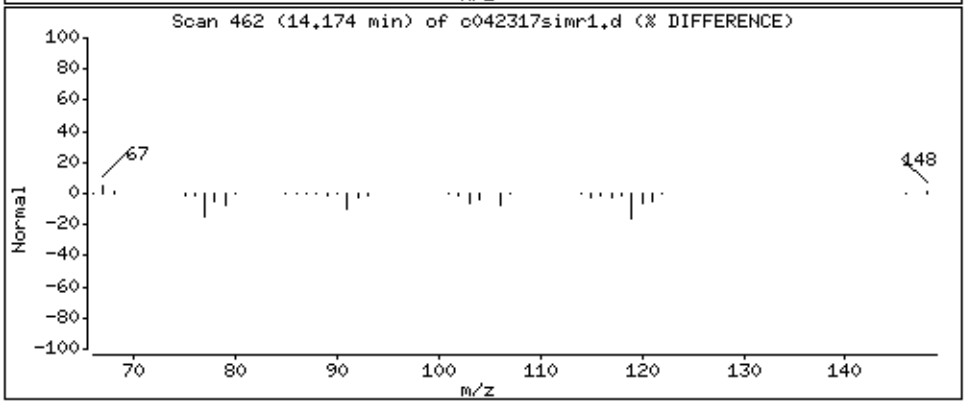












QC Results and Raw Data

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1504309R2-10A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042306simr1**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 10:57 AM**	
		Date of Extraction: 4/23/15	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
1,1,1-Trichloroethane	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.48	Not Detected	Not Detected
1,2-Dichloroethane	0.10	0.12	Not Detected	Not Detected
Trichloroethene	0.10	0.14	Not Detected	Not Detected
Toluene	0.10	0.13	Not Detected	Not Detected
Tetrachloroethene	0.10	0.16	Not Detected	Not Detected
Ethyl Benzene	0.10	0.14	Not Detected	Not Detected
m,p-Xylene	0.10	0.14	Not Detected	Not Detected
o-Xylene	0.10	0.15	Not Detected	Not Detected
Naphthalene	0.10	0.38	0.052 J	0.20 J
1,1-Dichloroethane	0.10	0.15	Not Detected C	Not Detected C
1,1-Dichloroethene	0.40	0.50	Not Detected C	Not Detected C
cis-1,2-Dichloroethene	0.10	0.15	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.32	Not Detected C	Not Detected C
1,1,2-Trichloroethane	0.10	0.14	Not Detected C	Not Detected C
1,2,4-Trimethylbenzene	0.10	0.19	Not Detected	Not Detected
1,3,5-Trimethylbenzene	0.10	0.18	Not Detected C	Not Detected C
Vinyl Chloride	0.40	0.42	Not Detected C	Not Detected C

J = Estimated value.
C = Estimated concentration due to calculated sampling rate.

Temperature = 89.8F , duration time = 10155 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	115	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042306simr1.d
Lab Smp Id: 1504275/309/364/379 Client Smp ID: LAB BLANK
Inj Date : 23-APR-2015 10:57
Operator : gm Inst ID: msdc.i
Smp Info : ;1504275/309/364/379;LAB BLANK
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 10-May-2015 12:15 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Gilbane.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
	2 Vinyl Chloride	62	Compound Not Detected.					
	4 1,1-Dichloroethene-CCC	96	Compound Not Detected.					
	8 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	11 1,1-Dichloroethane-SPCC	63	Compound Not Detected.					
	14 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	17 1,1,1-Trichloroethane	97	Compound Not Detected.					
	19 Benzene	78	Compound Not Detected.					
	20 1,2-Dichloroethane	62	Compound Not Detected.					
	22 Trichloroethene	130	Compound Not Detected.					
$	25 Toluene-d8	98	10.656	10.656	(0.969)	297318	5.73118	11.4624
	26 Toluene-CCC	92	Compound Not Detected.					
*	27 2-Fluorotoluene	109	10.993	10.993	(1.000)	315169	5.00000	
	28 1,1,2-Trichloroethane	97	Compound Not Detected.					
	29 Tetrachloroethene	164	Compound Not Detected.					
	31 Ethylbenzene-CCC	106	Compound Not Detected.					
	33 m,p-Xylene	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
34 o-Xylene	106	Compound Not Detected.					
40 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
41 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
48 Naphthalene	128	16.778	16.778	(1.526)	2957	0.02582	0.0516464(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042306simr1.d
Lab Smp Id: 1504275/309/364/379
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Client Smp ID: LAB BLANK
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	315169	-2.89

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 10-May-2015 12:19

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504275/309/364/379 Client Smp ID: LAB BLANK
Level: MED Operator: gm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS-CM.spk Quant Type: ISTD
Sublist File: Gilbane.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	11.4624	114.62	70-130

Data File: /chem/msdc.i/23Apr2015.b/c042306simr1.d

Date : 23-APR-2015 10:57

Client ID: LAB BLANK

Instrument: msdc.i

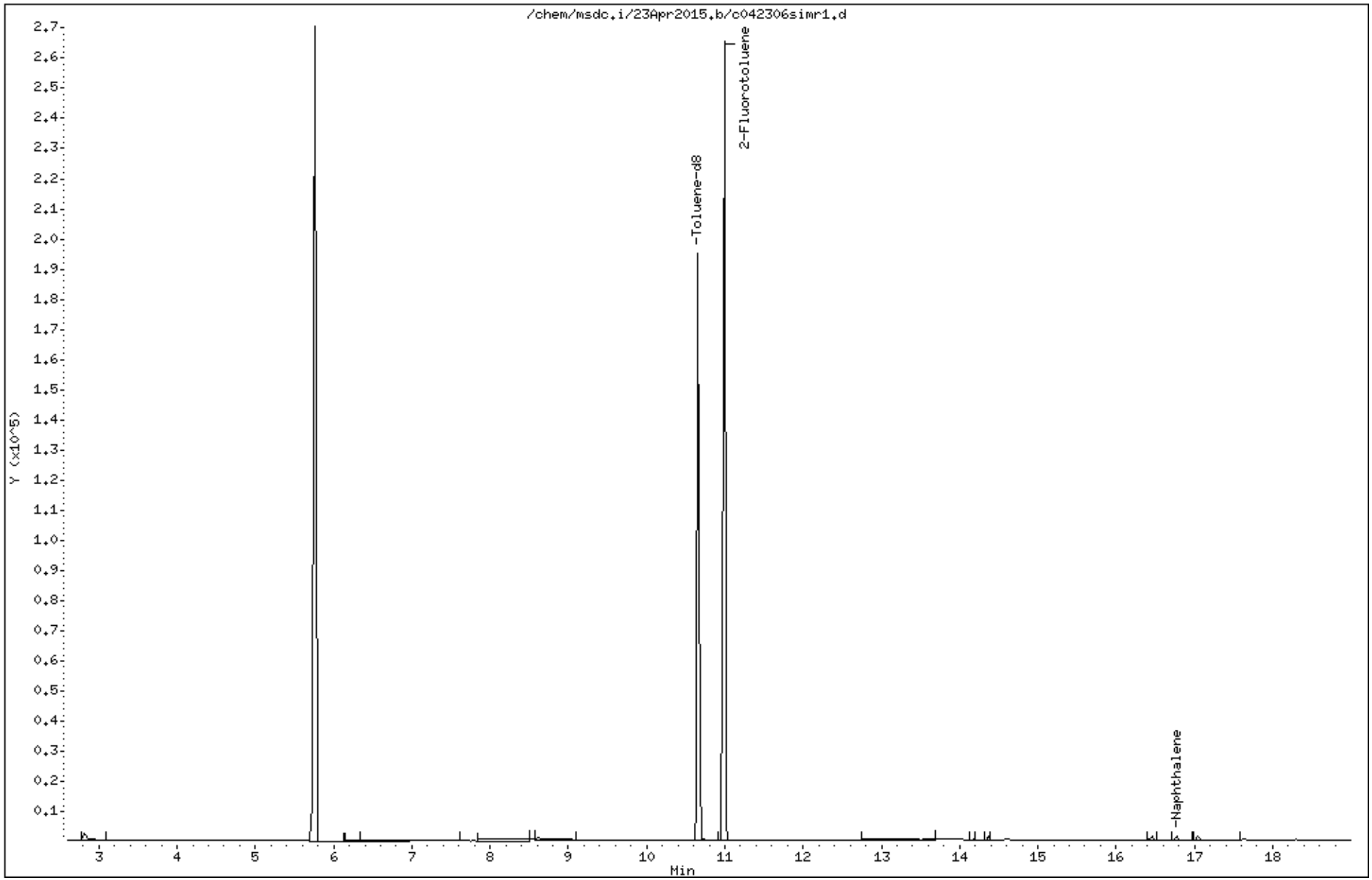
Sample Info: ;1504275/309/364/379;LAB BLANK

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042306simr1.d

Date : 23-APR-2015 10:57

Client ID: LAB BLANK

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LAB BLANK

Volume Injected (uL): 1.0

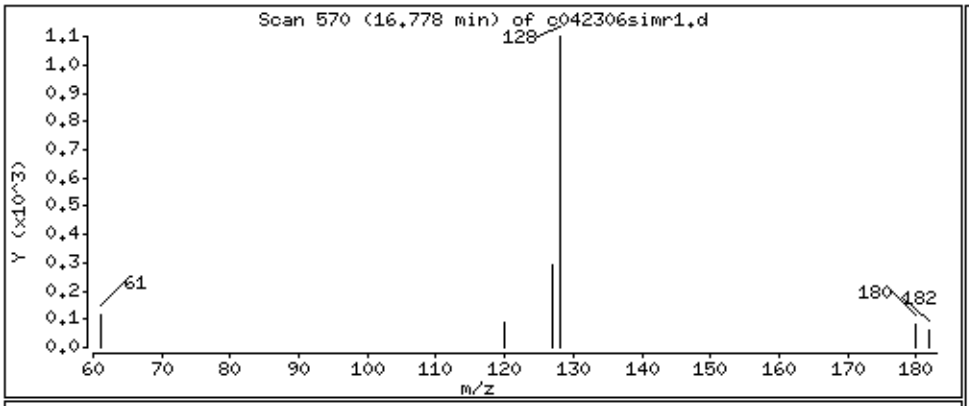
Operator: gm

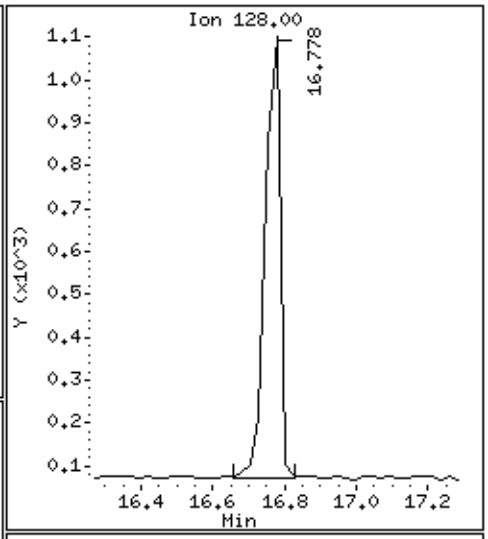
Column phase: DB-5.625

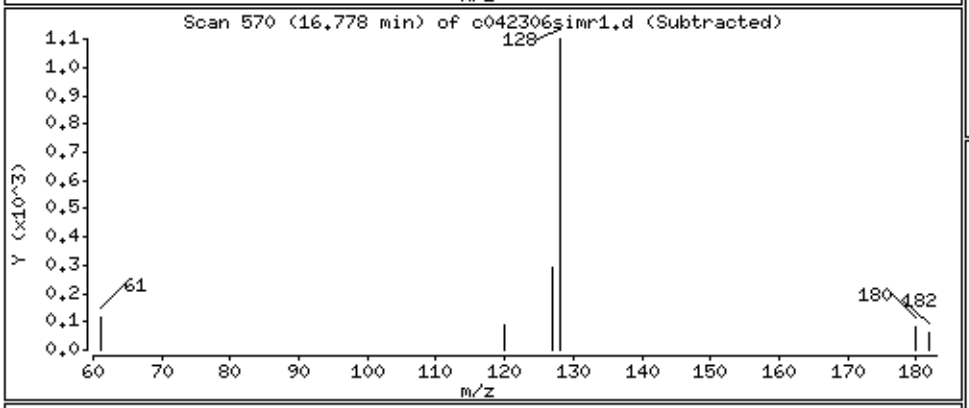
Column diameter: 0.25

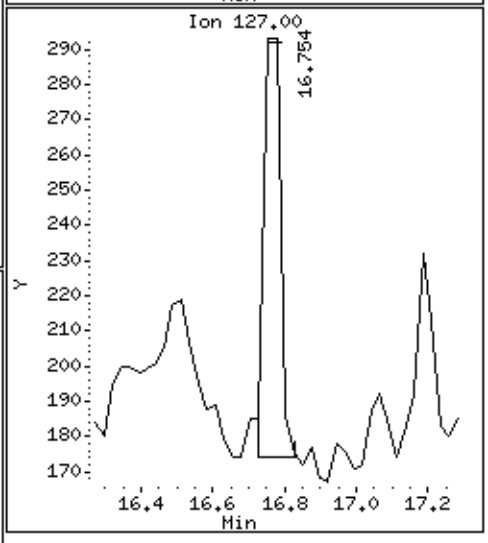
48 Naphthalene

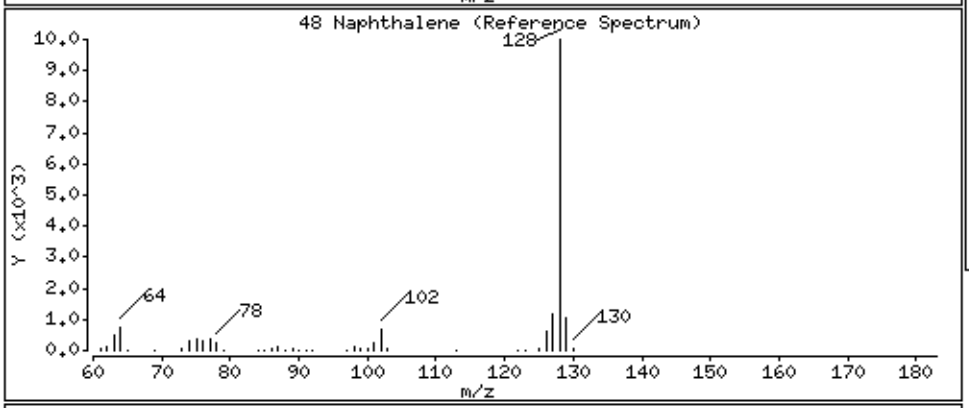
Concentration: 0.0516464 ug

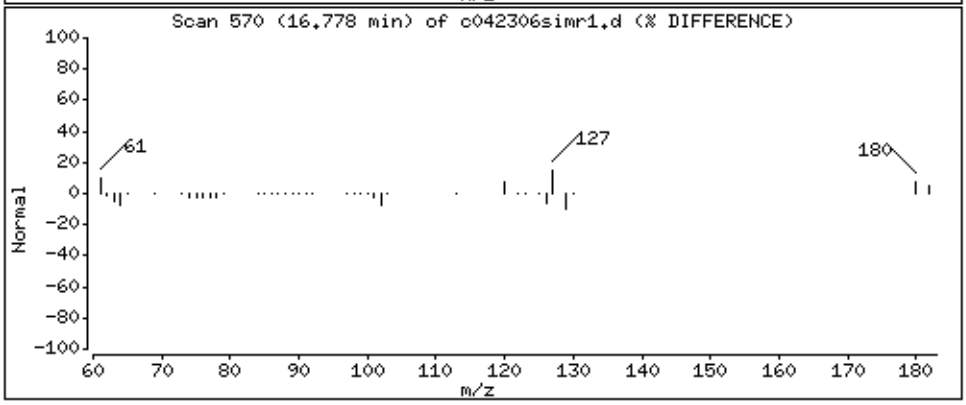












LEVEL-IV VALIDATABLE

VOCS BY PASSIVE SAMPLER - GC/MS

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 1504309R2

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		Toluene-d8	#		#		#		#	TOTAL OUT
01	5227-IA02-0415	112								0
02	5230-IA01-0415	113								0
03	5230-OA01-0415	109								0
04	5230-FB01-0415	113								0
05	5211-IA01-0415	115								0
06	5211-CS01-0415	112								0
07	5234-IA01-0415	112								0
08	5234-CS01-0415	110								0
09	5215-CS01-0415	109								0
10	Lab Blank	115								0
11	LCS	114								0
12	LCSD	115								0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

Toluene-d8 70 - 130

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: c042305sim.d & c042304sim.d

Lab Sample ID: &

Dilution: 1.00 & 1.00

Client Sample ID: LCS & LCSD

Date Analyzed: 4/23/15 & 4/23/15

CAS Number	Compound	Original Amount	Original Flags	Duplicate Amount	Duplicate Flags	RPD	Result Less Than 5X RL
71-55-6	1,1,1-Trichloroethane	102		88		15	
79-00-5	1,1,2-Trichloroethane	88		89		1.1	
75-34-3	1,1-Dichloroethane	92		95		3.2	
75-35-4	1,1-Dichloroethene	89		109		20	
95-63-6	1,2,4-Trimethylbenzene	78		82		5.0	
107-06-2	1,2-Dichloroethane	88		93		5.5	
108-67-8	1,3,5-Trimethylbenzene	78		82		5.0	
71-43-2	Benzene	87		100		14	
156-59-2	cis-1,2-Dichloroethene	92		91		1.1	
100-41-4	Ethyl Benzene	90		93		3.3	
108-38-3	m,p-Xylene	85		89		4.6	
91-20-3	Naphthalene	8.3		8.3		0	
95-47-6	o-Xylene	71		74		4.1	
127-18-4	Tetrachloroethene	82		84		2.4	
108-88-3	Toluene	90		92		2.2	
156-60-5	trans-1,2-Dichloroethene	85		84		1.2	
79-01-6	Trichloroethene	87		85		2.3	
75-01-4	Vinyl Chloride	85		91		6.8	

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-APR-2015 08:54
End Cal Date : 15-APR-2015 13:01
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Cal Date : 15-Apr-2015 13:38 gmash
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdc.i/15Apr2015.b/c041503sim.d
Level 2: /chem/msdc.i/15Apr2015.b/c041504sim.d
Level 3: /chem/msdc.i/15Apr2015.b/c041505sim.d
Level 4: /chem/msdc.i/15Apr2015.b/c041506sim.d
Level 5: /chem/msdc.i/15Apr2015.b/c041507sim.d
Level 6: /chem/msdc.i/15Apr2015.b/c041508sim.d
Level 7: /chem/msdc.i/15Apr2015.b/c041509sim.d
Level 8: /chem/msdc.i/15Apr2015.b/c041510sim.d
Level 9: /chem/msdc.i/15Apr2015.b/c041511sim.d
Level 10: /chem/msdc.i/15Apr2015.b/c041512sim.d
Level 11: /chem/msdc.i/15Apr2015.b/c041513sim.d

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11	$\overline{RRF}$	% RSD
1 Chloromethane	+++++	+++++	0.08396	0.09465	0.11137	0.11297	0.12588	0.11294	+++++	+++++	+++++	0.10696	14.052
2 Vinyl Chloride	+++++	+++++	0.20077	0.23763	0.21069	0.23794	0.27492	0.23225	0.20727	0.15868	0.18133	0.21572	15.981
3 Ethanol	+++++	+++++	0.10144	0.09009	0.10514	0.11374	0.10793	0.09387	0.09863	0.07608	0.06977	0.09519	15.293
4 1,1-Dichloroethene-CCC	+++++	+++++	0.14592	0.11480	0.14002	0.14053	0.17255	0.14182	0.11566	0.10252	0.11911	0.13255	16.154
5 Acetone	+++++	+++++	0.16259	0.14161	0.16307	0.17032	0.16054	0.14128	0.14472	0.12091	0.10933	0.14604	14.089
6 2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-APR-2015 08:54
End Cal Date : 15-APR-2015 13:01
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Cal Date : 15-Apr-2015 13:38 gmash
Curve Type : Average

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	___ RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
7 MTBE	+++++	0.72137	0.68384	0.57173	0.70522	0.65846		
	0.66134	0.54164	0.53537	0.49002	0.41990		0.59889	16.966
8 trans-1,2-Dichloroethene	+++++	+++++	0.26969	0.20015	0.25438	0.21789		
	0.23353	0.18920	0.18966	0.16983	0.14334		0.20752	19.495
9 Hexane	+++++	0.83886	0.63693	0.69656	0.67429	0.83644		
	0.60963	0.47915	0.52400	0.43692	0.44897		0.61817	23.857
10 Halothane	+++++	0.16442	0.14366	0.12866	0.15706	0.15666		
	0.14932	0.12296	0.12387	0.11190	0.09911		0.13576	15.963
11 1,1-Dichloroethane-SPCC	+++++	0.51958	0.51931	0.42693	0.54726	0.51223		
	0.50952	0.41175	0.39517	0.36975	0.32594		0.45374	16.946
12 Ethyl Acetate	+++++	+++++	0.07199	0.05717	0.07618	0.06965		
	0.07255	0.05873	0.05654	0.05354	0.04866		0.06278	15.714
13 2-Butanone	+++++	0.16143	0.14900	0.13003	0.16419	0.15257		
	0.15452	0.12633	0.12454	0.11471	0.10174		0.13790	15.439
14 cis-1,2-Dichloroethene	+++++	0.27533	0.26532	0.20507	0.26609	0.24265		
	0.24976	0.20095	0.19642	0.18259	0.16384		0.22480	17.609
15 Chloroform-CCC	+++++	0.44155	0.44781	0.35763	0.46912	0.41014		
	0.43663	0.34786	0.30847	0.31995	0.28494		0.38241	17.363
16 Cyclohexane	+++++	0.46726	0.42532	0.37085	0.46815	0.43340		
	0.41735	0.32672	0.36311	0.30409	0.28470		0.38609	17.130

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-APR-2015 08:54
End Cal Date : 15-APR-2015 13:01
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Cal Date : 15-Apr-2015 13:38 gmash
Curve Type : Average

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
17 1,1,1-Trichloroethane	+++++	0.44932	0.38730	0.30702	0.44028	0.35566		
	0.41402	0.32448	0.29048	0.29831	0.28075		0.35476	18.029
18 Carbon Tetrachloride	+++++	0.44873	0.38908	0.31003	0.44582	0.34874		
	0.41626	0.32493	0.28555	0.30567	0.29032		0.35651	17.821
19 Benzene	+++++	+++++	+++++	0.91340	1.05447	1.01683		
	0.95567	0.75428	0.87376	0.71426	0.66417		0.86836	16.564
20 1,2-Dichloroethane	+++++	0.50313	0.44441	0.38316	0.47292	0.43432		
	0.43681	0.35448	0.35729	0.32525	0.27838		0.39901	17.723
21 Heptane	+++++	0.40059	0.35236	0.29744	0.37441	0.35391		
	0.33957	0.26989	0.30094	0.23663	+++++		0.32508	16.182
22 Trichloroethene	+++++	0.33722	0.31304	0.26498	0.34666	0.29623		
	0.32355	0.25203	0.25069	0.24729	0.23491		0.28666	14.475
23 Methyl Methacrylate	+++++	0.33752	0.30625	0.25714	0.33881	0.29272		
	0.31864	0.25215	0.25761	0.24981	0.23793		0.28486	13.523
24 4-Methyl-2-pentanone	+++++	+++++	0.11988	0.09894	0.13812	0.11880		
	0.12926	0.10309	0.10339	0.10259	0.09525		0.11215	13.308
26 Toluene-CCC	+++++	0.98474	0.77606	0.64349	0.86402	0.72899		
	0.78190	0.60779	0.60274	0.58149	0.53782		0.71090	19.983
28 1,1,2-Trichloroethane	+++++	0.34320	0.32016	0.26343	0.35186	0.29822		
	0.31798	0.24402	0.25168	0.24301	0.22817		0.28617	15.882

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-APR-2015 08:54
End Cal Date : 15-APR-2015 13:01
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Cal Date : 15-Apr-2015 13:38 gmash
Curve Type : Average

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	RRF	% RSD	
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11				
29 Tetrachloroethene	+++++	0.40179	0.35737	0.29735	0.39867	0.33925			
	0.36370	0.27809	0.28545	0.27692	0.27191		0.32705	15.688	
30 Chlorobenzene	+++++	1.02211	0.91551	0.76613	1.04746	0.89058			
	0.94744	0.72886	0.72336	0.70835	0.67061		0.84204	16.485	
31 Ethylbenzene-CCC	+++++	0.55605	0.49634	0.41270	0.57460	0.48247			
	0.52393	0.40453	0.39263	0.37099	0.35700		0.45713	17.344	
32 1,1,1,2-Tetrachloroethane	+++++	0.34858	0.32016	0.26352	0.36933	0.31580			
	0.33510	0.25859	0.26122	0.25777	0.25628		0.29864	14.673	
33 m,p-Xylene	0.73867	0.76487	0.70309	0.58527	0.80866	0.68122			
	0.75489	0.56380	0.54860	0.48004	0.40724		0.63967	20.357	<-
34 o-Xylene	+++++	0.56233	0.53031	0.45264	0.60213	0.51613			
	0.56584	0.43771	0.47051	0.46849	0.47757		0.50837	10.897	
35 Styrene	+++++	1.04394	0.91907	0.73650	1.03120	0.88340			
	0.96970	0.73806	0.72047	0.64385	+++++		0.85402	17.328	
36 a-Pinene	+++++	0.69626	0.63126	0.51547	0.70659	0.60589			
	0.67799	0.53166	0.52781	0.47462	+++++		0.59639	14.563	
37 1,1,2,2-Tetrachloroethane-SPC	+++++	0.72286	0.70876	0.57975	0.78489	0.67378			
	0.72080	0.55500	0.57230	0.51205	0.43097		0.62612	17.962	
38 Propylbenzene	+++++	2.72464	2.60562	2.18606	3.00476	2.57227			
	2.77615	2.09581	2.18691	1.78479	+++++		2.43745	16.114	

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-APR-2015 08:54
End Cal Date : 15-APR-2015 13:01
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Cal Date : 15-Apr-2015 13:38 gmash
Curve Type : Average

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	___ RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
39 1,2,3-Trichloropropane	+++++	0.28520	0.27858	0.22030	0.31627	0.26526		
	0.28224	0.21730	0.22555	0.19649	0.15955		0.24467	19.756
40 1,3,5-Trimethylbenzene	+++++	1.26875	1.18746	0.99291	1.40985	1.17034		
	1.24168	0.97295	1.12572	1.11706	0.98943		1.14761	12.160
41 1,2,4-Trimethylbenzene	+++++	1.65738	1.55389	1.32856	1.82752	1.55742		
	1.66381	1.30636	1.42679	1.28684	0.86403		1.44726	18.703
42 R-(+)-Limonene	+++++	+++++	+++++	+++++	0.71867	0.62026		
	0.70689	0.54774	0.58669	0.45235	+++++		0.60543	16.592
43 1,3-Dichlorobenzene	+++++	0.90134	0.80922	0.69592	0.93556	0.81271		
	0.86687	0.67950	0.73466	0.71783	0.72127		0.78749	11.543
44 1,4-Dichlorobenzene	+++++	1.20447	1.10463	0.94285	1.27441	1.10566		
	1.19629	0.91631	0.95692	0.81045	0.70386		1.02158	18.133
45 1,2-Dichlorobenzene	+++++	0.83856	0.77444	0.64431	0.87648	0.75503		
	0.81149	0.62265	0.69050	0.61414	0.61437		0.72420	13.760
46 1,4-Dithiane	+++++	0.65919	0.60279	0.49960	0.68700	0.59713		
	0.64484	0.51117	0.55479	0.47783	+++++		0.58159	12.894
47 1,2,4-Trichlorobenzene	+++++	0.94708	0.87070	0.74589	0.96776	0.86578		
	0.90192	0.70777	0.79786	0.72468	0.70315		0.82326	12.185
48 Naphthalene	+++++	2.04154	1.91126	1.66430	2.14045	1.96077		
	2.05988	1.64848	1.87370	1.66683	1.19915		1.81664	15.382

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-APR-2015 08:54
End Cal Date : 15-APR-2015 13:01
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Cal Date : 15-Apr-2015 13:38 gmash
Curve Type : Average

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
49 1,2,3-Trichlorobenzene	+++++	0.93063	0.87053	0.74343	0.96786	0.86610		
	0.92211	0.71518	0.79965	0.69686	0.64885		0.81612	13.594
$ 25 Toluene-d8	0.84394	0.84555	0.81614	0.80837	0.81825	0.80671		
	0.82054	0.83521	0.81771	0.82943	0.81124		0.82301	1.657

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-APR-2015 08:54
End Cal Date : 15-APR-2015 13:01
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Cal Date : 15-Apr-2015 13:38 gmash
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 15.815135
Maximun Average %RSD = 30
* Passed Average %RSD Test.

Calibration History

Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Start Cal Date: 15-APR-2015 08:54
End Cal Date : 15-APR-2015 13:01

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.02500		
15-APR-2015 08:54	mpxylene	/chem/msdc.i/15Apr2015.b/c041503sim.d
Cal Level: 2 , Cal Amount: 0.05000		
15-APR-2015 09:18	0.05	/chem/msdc.i/15Apr2015.b/c041504sim.d
Cal Level: 3 , Cal Amount: 0.10000		
15-APR-2015 09:43	0.1	/chem/msdc.i/15Apr2015.b/c041505sim.d
Cal Level: 4 , Cal Amount: 0.20000		
15-APR-2015 10:07	0.2	/chem/msdc.i/15Apr2015.b/c041506sim.d
Cal Level: 5 , Cal Amount: 0.50000		
15-APR-2015 10:31	all-2Pr	/chem/msdc.i/15Apr2015.b/c041507sim.d
Cal Level: 6 , Cal Amount: 1.00000		
15-APR-2015 10:59	all-2Pr	/chem/msdc.i/15Apr2015.b/c041508sim.d
Cal Level: 7 , Cal Amount: 5.00000		
15-APR-2015 11:23	all-2Pr	/chem/msdc.i/15Apr2015.b/c041509sim.d
Cal Level: 8 , Cal Amount: 20.00000		

|15-APR-2015 11:47 |all-2Pr |/chem/msdc.i/15Apr2015.b/c041510sim.d |

Cal Level: 9 , Cal Amount: 50.00000
15-APR-2015 12:11 |all-cm |/chem/msdc.i/15Apr2015.b/c041511sim.d

Cal Level: 10, Cal Amount: 100.00000
15-APR-2015 12:37 |100 |/chem/msdc.i/15Apr2015.b/c041512sim.d

Cal Level: 11, Cal Amount: 200.00000
15-APR-2015 13:01 |200 |/chem/msdc.i/15Apr2015.b/c041513sim.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 7

Ccal Level: 7 , Ccal Amount: 5.00000
15-APR-2015 11:23 |all-2Pr |/chem/msdc.i/15Apr2015.b/c041509sim.d

Eurofins Air Toxics Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-APR-2015 08:54
End Cal Date : 15-APR-2015 13:01
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Cal Date : 15-Apr-2015 13:38 gmash
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdc.i/15Apr2015.b/c041503sim.d
Level 2: /chem/msdc.i/15Apr2015.b/c041504sim.d
Level 3: /chem/msdc.i/15Apr2015.b/c041505sim.d
Level 4: /chem/msdc.i/15Apr2015.b/c041506sim.d
Level 5: /chem/msdc.i/15Apr2015.b/c041507sim.d
Level 6: /chem/msdc.i/15Apr2015.b/c041508sim.d
Level 7: /chem/msdc.i/15Apr2015.b/c041509sim.d
Level 8: /chem/msdc.i/15Apr2015.b/c041510sim.d
Level 9: /chem/msdc.i/15Apr2015.b/c041511sim.d
Level 10: /chem/msdc.i/15Apr2015.b/c041512sim.d
Level 11: /chem/msdc.i/15Apr2015.b/c041513sim.d

gmw 4/15/15

Compound	0.02500 Level 1	0.05000 Level 2	0.10000 Level 3	0.20000 Level 4	0.50000 Level 5	1.000 Level 6	RRF	% RSD
	5.000 Level 7	20.000 Level 8	50.000 Level 9	100.000 Level 10	200.000 Level 11			
1 Chloromethane	+++++	+++++	0.08396	0.09465	0.11137	0.11297		
	0.12588	0.11294	+++++	+++++	+++++		0.10696	14.052
2 Vinyl Chloride	+++++	+++++	0.20077	0.23763	0.21069	0.23794		
	0.27492	0.23225	0.20727	0.15868	0.18133		0.21572	15.981
3 Ethanol	+++++	+++++	0.10144	0.09009	0.10514	0.11374		
	0.10793	0.09387	0.09863	0.07608	0.06977		0.09519	15.293
4 1,1-Dichloroethene-CCC	+++++	+++++	0.14592	0.11480	0.14002	0.14053		
	0.17255	0.14182	0.11566	0.10252	0.11911		0.13255	16.154
5 Acetone	+++++	+++++	0.16259	0.14161	0.16307	0.17032		
	0.16054	0.14128	0.14472	0.12091	0.10933		0.14604	14.089
6 2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Initial Calibration Narrative

An 11 point initial calibration was analyzed on MSD-C on 04/15/2015. The curve passed for SOP 100.

ICV- 1-out (Chloromethane at 155%), file ID: C041515sim, STD#2595-231-5.0

All compounds were curved from 0.05ug/mL to 200ug/mL, but there are exceptions. Please refer to ICAL summary for calibration ranges for each compound.

2-Propanol was not included in the ICAL.

Unit: ug/mL

The analysis based on 2uL injection in slow mode.

Eurofins Air Toxics, Inc. **MSD-C** **Logbook #: 2711**

BFB Injection Date: 4/15/15
BFB Injection Time: 0811
BFB File ID: C041501

IS/S Std.#: 2595-215-125	Exp. Date: 8/20/15
2-Fluorotoluene	SIM: 318479

Verified CCV IS vs ICAL mid-point (-50% to +100% D) gm *initials*

File ID:	C041515SIM
Compound:	MTBE
Initials:	gm

Calculation Check:

µg/L of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} \times DF = \frac{(145408)}{(240216)} \times \frac{(5.0)}{(0.59889)} \times 1.00 = 5.05$ µg

Reported Result 5.05 µg

	Use	File #	Sample / Client Name	Vial #	DF	Date Analyzed	Time Analyzed	Initial	Comments
1	✓	C041501	2299-806 BFB	1	1.00	4/15/15	0811	gm	
2	✓	02	CS2 Blank	2		4/15/15	0825		
3	✓	03	2595-224-0.05→0.025	3			0854		Level 1, m,p-xylene
4	✓	04	2595-224-0.05	4			0918		Level 2
5	✓	05	-0.10	5			0943		Level 3
6	✓	06	-0.20	6			1007		Level 4
7	✓	07	-0.50	7			1031		Level 5
8	✓	08	-1.0	8			1059		Level 6
9	✓	09	-5.0	9			1123		Level 7
10	✓	10	-20	10			1147		Level 8
11	✓	11	-50	11			1211		Level 9
12	✓	12	2595-218-500→100	12			1237		Level 10
13	✓	13	→200	13			1301		Level 11
14	✓	14	CS2 Blank	14			1325		System Blank
15	✓	15	2595-231-5.0	15			1349		ICV, 1 out ✓

Reviewed: gm Date: 4/15/15

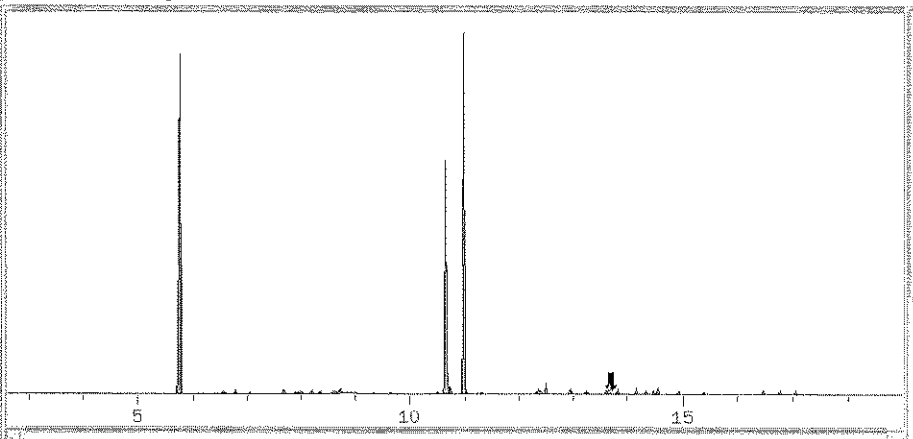
TargetReview: eeyore: 2595-224-0.05: /chem/msdc.i/15Apr2015.b/c041504sim.d

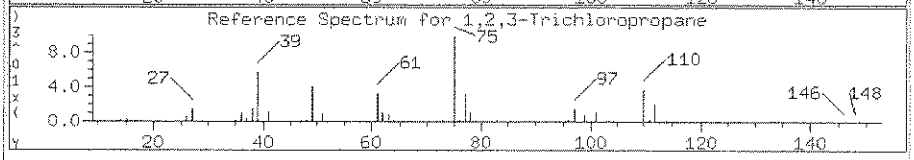
File Security Edit Display Process Spectra Help

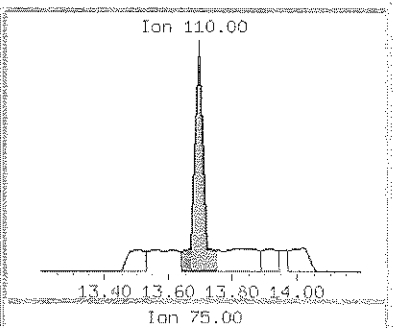
Sample: 2595-224-0.05 Type: CALIB_2 Inj.Date: 15-APR-2015 09:18

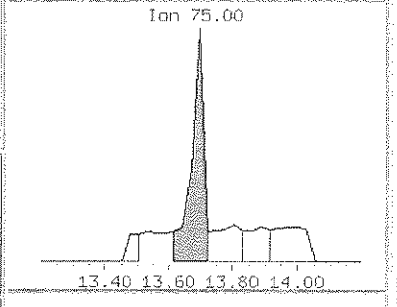
- 13 2-Butanone
- 15 Chloroform-CCC
- 16 Cyclohexane
- 17 1,1,1-Trichlor
- 18 Carbon Tetrach
- 20 1,2-Dichloroeth
- 21 Heptane
- 22 Trichloroethen
- 23 Methyl Methacr
- 25 Toluene-d8
- 26 Toluene-CCC
- 27 2-Fluorotoluen
- 28 1,1,2-Trichlor
- 29 Tetrachloroeth
- 30 Chlorobenzene
- 31 Ethylbenzene-C
- 32 1,1,1,2-Tetrac
- 33 m,p-Xylene
- 34 o-Xylene
- 35 Styrene
- 36 a-Pinene
- 37 1,1,2,2-Tetrac
- 38 Propylbenzene
- 39 1,2,3-Trichlor
- 40 1,3,5-Trimethy

c041503sim.d
c041504sim.d
c041505sim.d
c041506sim.d
c041507sim.d
c041508sim.d
c041509sim.d
c041510sim.d



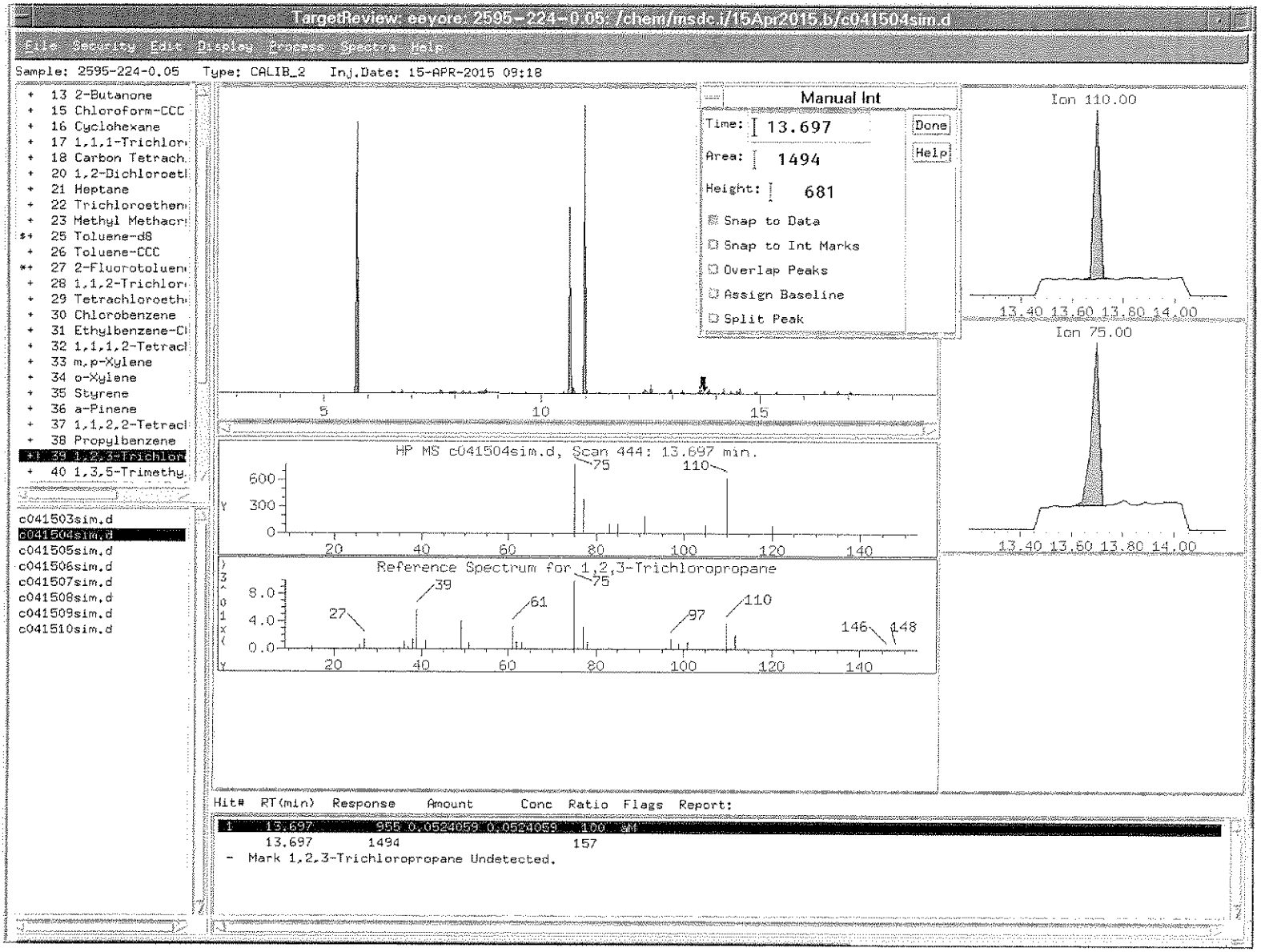






Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
	13.697	2318			165		
3	13.807	558	0.0237894	0.0237894	100	a	
	13.807	886			159		
4	13.917	285	0.0121410	0.0121410	100	a	
	13.889	711			250		
5	14.027	289	0.0123503	0.0123503	100	a	

Before
gnw
4/15/15



4/15/15
AT

After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

gnv
4/15/15

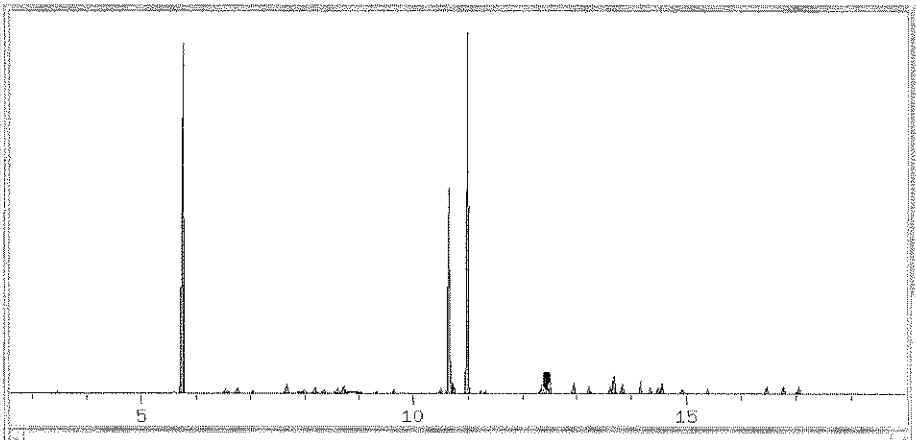
TargetReview: eeyore: 2595-224-0.10: /chem/msdc.i/15Apr2015.b/c041505sim.d

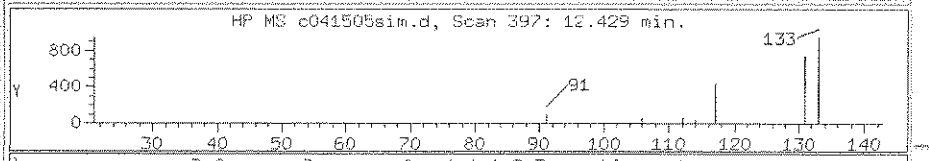
File Security Edit Display Process Spectra Help

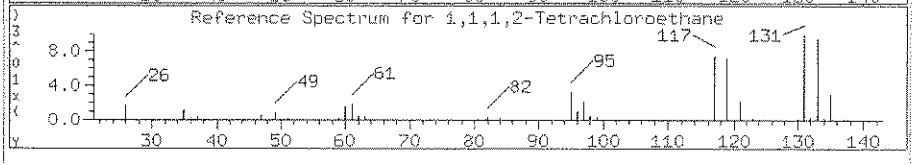
Sample: 2595-224-0.10 Type: CALIB_3 Inj.Date: 15-APR-2015 09:43

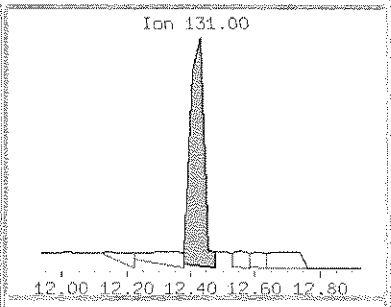
+ 9 Hexane
+ 10 Halothane
+ 11 1,1-Dichloroetl
+ 12 Ethyl Acetate
+ 13 2-Butanone
+ 14 cis-1,2-Dichlo
+ 15 Chloroform-CCC
+ 16 Cyclohexane
+ 17 1,1,1-Trichlor
+ 18 Carbon Tetrach
+ 19 Benzene
+ 20 1,2-Dichloroetl
+ 21 Heptane
+ 22 Trichloroethen
+ 23 Methyl Methacr
+ 24 4-Methyl-2-pen
*+ 25 Toluene-d8
+ 26 Toluene-CCC
*+ 27 2-Fluorotoluen
+ 28 1,1,2-Trichlor
+ 29 Tetrachloroeth
+ 30 Chlorobenzene
+ 31 Ethylbenzene-Cl
+ 32 1,1,1,2-Tetrac
+ 33 m,p-Xylene

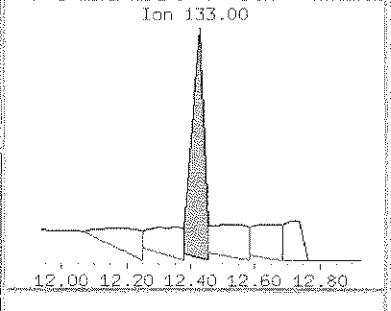
c041503sim.d
c041504sim.d
c041505sim.d
c041506sim.d
c041507sim.d
c041508sim.d
c041509sim.d
c041510sim.d





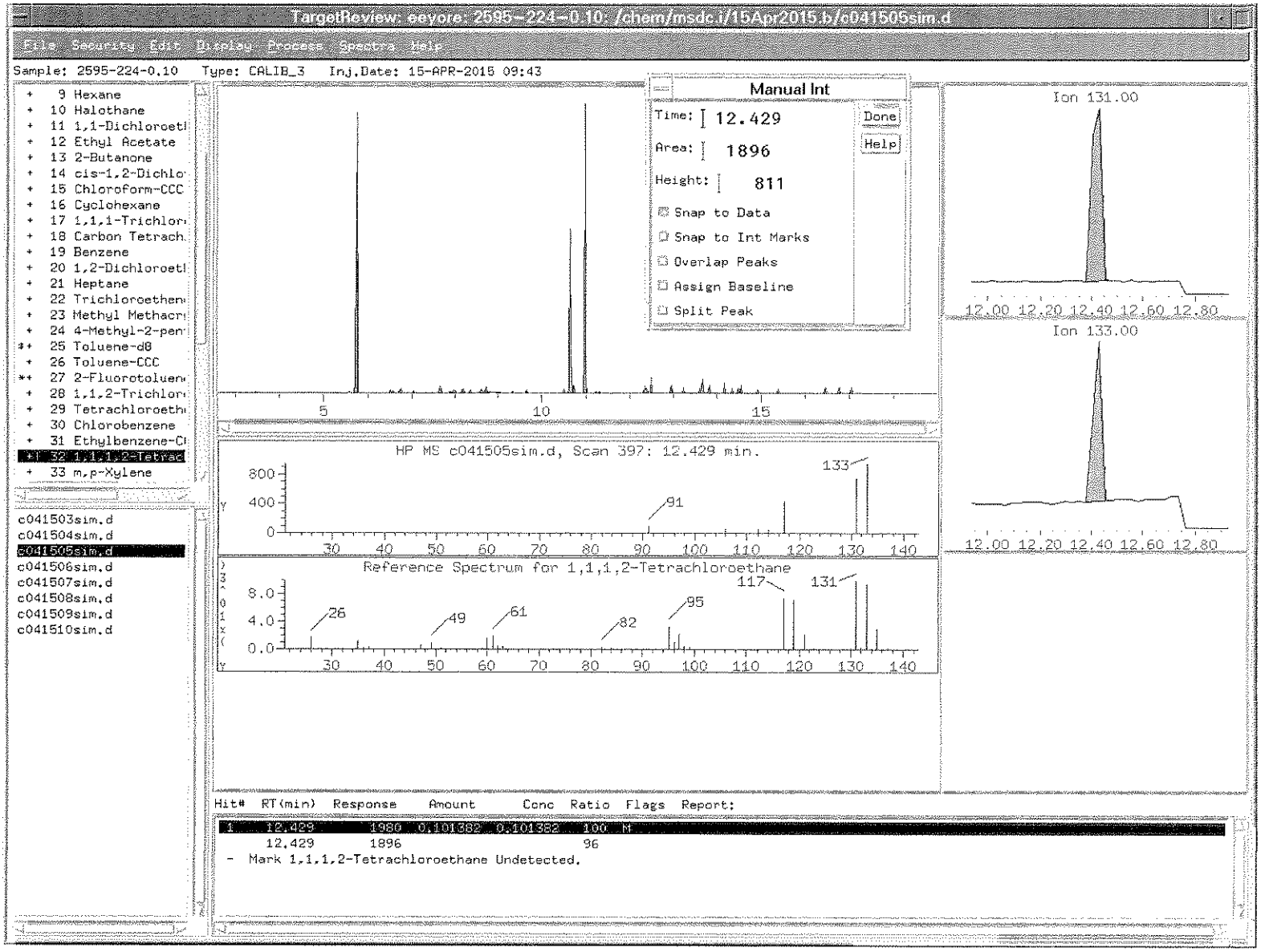






Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
	12.145	827			421		
2	12.300	382	0.0175546	0.0175546	100	a	
	12.351	985			257		
3	12.429	2315	0.106202	0.106202	100		
	12.429	2657			115		
4	12.557	220	0.0101061	0.0101061	100	a	

Before
gnv
4/15/15



4/15/15
ACT

9mw
4/15/15

After

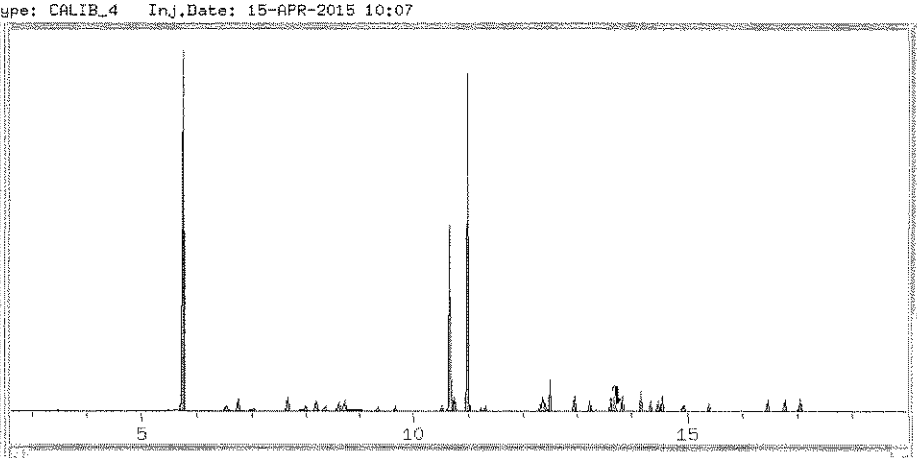
Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

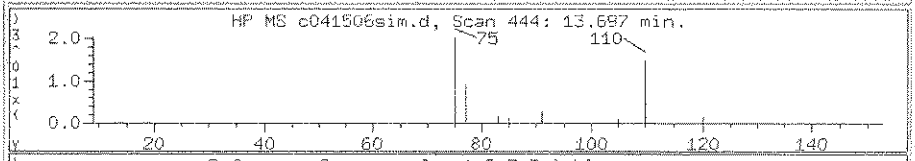
TargetReview: eeyore: 2595-224-0.20: /chem/msdc.i/15Apr2015.b/c041506sim.d

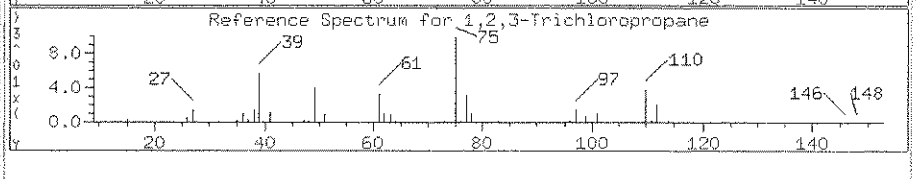
File Security Edit Display Process Specs Help

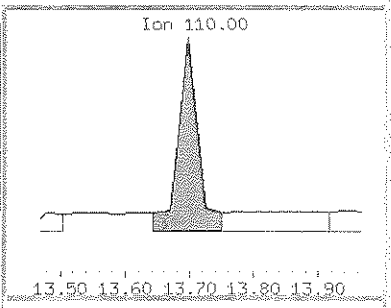
Sample: 2595-224-0.20 Type: CALIB_4 Inj.Date: 15-APR-2015 10:07

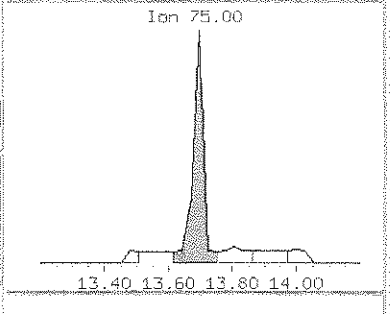
- \+ 16 Cyclohexane
- \+ 17 1,1,1-Trichlor
- \+ 18 Carbon Tetrach
- \+ 19 Benzene
- \+ 20 1,2-Dichloroetl
- \+ 21 Heptane
- \+ 22 Trichloroethen
- \+ 23 Methyl Methacr
- \+ 24 4-Methyl-2-pen
- $+ 25 Toluene-d8
- \+ 26 Toluene-CCC
- ** 27 2-Fluorotoluen
- \+ 28 1,1,2-Trichlor
- \+ 29 Tetrachloroeth
- \+ 30 Chlorobenzene
- \+ 31 Ethylbenzene-Cl
- \+ 32 1,1,1,2-Tetracl
- \+ 33 m,p-Xylene
- \+ 34 o-Xylene
- \+ 35 Styrene
- \+ 36 a-Pinene
- \+ 37 1,1,2,2-Tetracl
- \+ 38 Propylbenzene
- \+ 39 1,2,3-Trichlor
- \+ 40 1,3,5-Trimethy









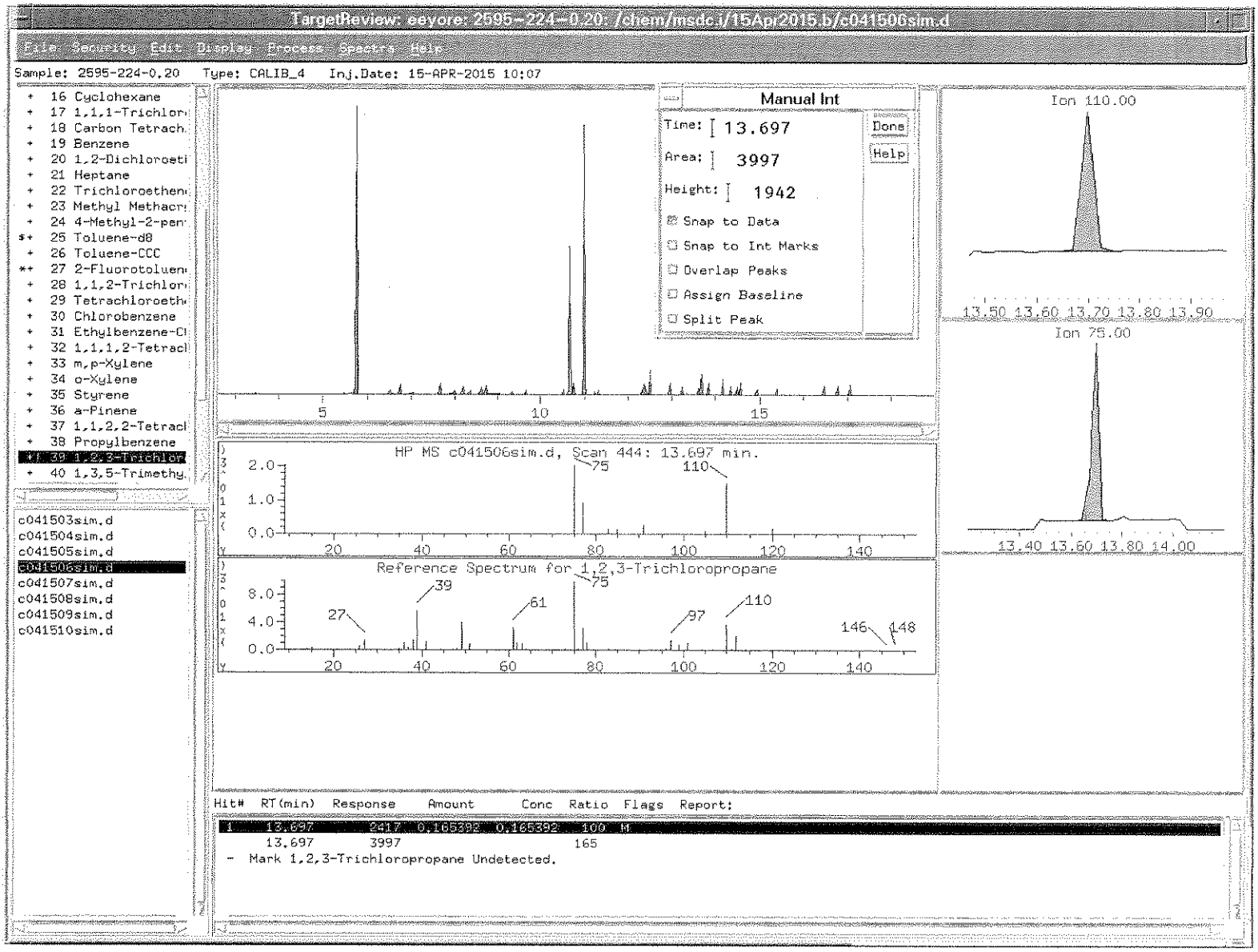


c041503sim.d
c041504sim.d
c041505sim.d
c041506sim.d
c041507sim.d
c041508sim.d
c041509sim.d
c041510sim.d

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
	13.477	331			191		
2	13.697	2861	0.168168	0.168168	100		
	13.697	4980			174		
3	13.834	645	0.0379536	0.0379536	100	a	
	13.807	932			144		
4	13.944	281	0.0165579	0.0165579	100	a	

Before

gmw 4/15/15



4/15/15
ACT

After

Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

gw
4/15/15

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041515sim.d
Lab Smp Id: 2595-231-5.0 Client Smp ID: ICV
Inj Date : 15-APR-2015 13:49
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-231-5.0;ICV
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 14:12 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 15 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-2Pr.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
1	Chloromethane	50	3.227	3.227	(0.294)	39890	7.76265	7.76264(R)
2	Vinyl Chloride	62	3.444	3.444	(0.313)	63776	6.15370	6.15370
3	Ethanol	45	5.009	4.985	(0.456)	24887	5.44205	5.44205
4	1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	38714	6.07945	6.07945
5	Acetone	58	5.611	5.588	(0.510)	37150	5.29477	5.29477
7	MTBE	73	6.528	6.528	(0.594)	145408	5.05374	5.05374
8	trans-1,2-Dichloroethene	96	6.555	6.583	(0.596)	46366	4.65062	4.65062
9	Hexane	57	6.748	6.775	(0.614)	171557	5.77652	5.77652
10	Halothane	117	6.985	6.985	(0.635)	34845	5.34247	5.34247
11	1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	111254	5.10358	5.10358
12	Ethyl Acetate	70	7.662	7.662	(0.697)	15009	4.97639	4.97639
13	2-Butanone	72	7.662	7.662	(0.697)	33622	5.07471	5.07471
14	cis-1,2-Dichloroethene	96	7.662	7.684	(0.697)	52950	4.90270	4.90270
15	Chloroform-CCC	83	7.987	7.987	(0.726)	91133	4.96043	4.96043
16	Cyclohexane	84	8.172	8.203	(0.743)	89194	4.80852	4.80852
17	1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	77686	4.55801	4.55801

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug)
	18	Carbon Tetrachloride	117	8.357	8.357	(0.760)	76894	4.48939	4.48939
	19	Benzene	78	8.603	8.603	(0.783)	207912	4.98369	4.98369
	20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	93827	4.89449	4.89448
	21	Heptane	71	8.727	8.727	(0.794)	75825	4.85500	4.85500
	22	Trichloroethene	130	9.331	9.331	(0.849)	64345	4.67217	4.67217
	23	Methyl Methacrylate	69	9.644	9.644	(0.877)	63470	4.63780	4.63780
	24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	26948	5.00174	5.00174
$	25	Toluene-d8	98	10.656	10.656	(0.969)	203530	5.14745	5.14745(A)
	26	Toluene-CCC	92	10.728	10.728	(0.976)	160150	4.68905	4.68905
*	27	2-Fluorotoluene	109	10.994	10.994	(1.000)	240216	5.00000	
	28	1,1,2-Trichloroethane	97	11.235	11.235	(1.022)	63022	4.58390	4.58390
	29	Tetrachloroethene	164	11.331	11.331	(1.031)	72210	4.59571	4.59571
	30	Chlorobenzene	112	12.325	12.325	(1.121)	197517	4.88247	4.88247
	31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	108070	4.92082	4.92082
	32	1,1,1,2-Tetrachloroethane	131	12.403	12.428	(1.128)	68653	4.78508	4.78508
	33	m,p-Xylene	106	12.506	12.506	(1.138)	296850	9.65940	9.65940
	34	o-Xylene	106	12.956	12.956	(1.178)	108171	4.42897	4.42897
	35	Styrene	104	12.956	12.956	(1.178)	204129	4.97513	4.97512
	36	a-Pinene	93	13.230	13.230	(1.203)	159641	5.57159	5.57159
	37	1,1,2,2-Tetrachloroethane-SPC	83	13.615	13.615	(1.238)	145270	4.82935	4.82935
	38	Propylbenzene	91	13.669	13.669	(1.243)	513233	4.38276	4.38276
	39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	56097	4.77220	4.77220
	40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	248583	4.50861	4.50861
	41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	332082	4.77602	4.77602
	42	R-(+)-Limonene	68	14.367	14.367	(1.307)	141139	4.85231	4.85231
	43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	173999	4.59908	4.59908
	44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	239833	4.88655	4.88655
	45	1,2-Dichlorobenzene	146	14.898	14.898	(1.355)	164401	4.72515	4.72515
	46	1,4-Dithiane	120	15.380	15.380	(1.399)	127366	4.55829	4.55829
	47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	183350	4.63568	4.63568
	48	Naphthalene	128	16.778	16.778	(1.526)	428760	4.91263	4.91263
	49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	188112	4.79768	4.79768

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041515sim.d
Lab Smp Id: 2595-231-5.0
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: ICV
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	240216	-24.57

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 15-Apr-2015 14:13

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 15Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 2595-231-5.0 Client Smp ID: ICV
Level: MED Operator: gm
Data Type: MS DATA SampleType: LCS
SpikeList File: ICV-2Pr.spk Quant Type: ISTD
Sublist File: all-2Pr.sub
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

	SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
1	Chloromethane	5.00000	7.76264	155.25*	70-130
2	Vinyl Chloride	5.00000	6.15370	123.07	50-140
3	Ethanol	5.00000	5.44205	108.84	70-130
4	1,1-Dichloroethene	5.00000	6.07945	121.59	70-130
5	Acetone	5.00000	5.29477	105.90	70-130
7	MTBE	5.00000	5.05374	101.07	70-130
8	trans-1,2-Dichloro	5.00000	4.65062	93.01	70-130
9	Hexane	5.00000	5.77652	115.53	70-130
10	Halothane	5.00000	5.34247	106.85	70-130
11	1,1-Dichloroethane	5.00000	5.10358	102.07	80-120
12	Ethyl Acetate	5.00000	4.97639	99.53	70-130
13	2-Butanone	5.00000	5.07471	101.49	70-130
14	cis-1,2-Dichloroet	5.00000	4.90270	98.05	80-120
15	Chloroform-CCC	5.00000	4.96043	99.21	80-120
16	Cyclohexane	5.00000	4.80852	96.17	70-130
17	1,1,1-Trichloroeth	5.00000	4.55801	91.16	80-120
18	Carbon Tetrachlori	5.00000	4.48939	89.79	80-120
19	Benzene	5.00000	4.98369	99.67	70-130
20	1,2-Dichloroethane	5.00000	4.89448	97.89	80-120
21	Heptane	5.00000	4.85500	97.10	80-120
22	Trichloroethene	5.00000	4.67217	93.44	80-120
23	Methyl Methacrylat	5.00000	4.63780	92.76	70-130
24	4-Methyl-2-pentano	5.00000	5.00174	100.03	70-130
26	Toluene-CCC	5.00000	4.68905	93.78	80-120
28	1,1,2-Trichloroeth	5.00000	4.58390	91.68	80-120
29	Tetrachloroethene	5.00000	4.59571	91.91	80-120
30	Chlorobenzene	5.00000	4.88247	97.65	80-120
31	Ethylbenzene-CCC	5.00000	4.92082	98.42	80-120
32	1,1,1,2-Tetrachlor	5.00000	4.78508	95.70	80-120
33	m,p-Xylene	10.0000	9.65940	96.59	80-120
34	o-Xylene	5.00000	4.42897	88.58	70-130
35	Styrene	5.00000	4.97512	99.50	70-130
36	a-Pinene	5.00000	5.57159	111.43	70-130

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
37 1,1,2,2-Tetrachlor	5.00000	4.82935	96.59	70-130
38 Propylbenzene	5.00000	4.38276	87.66	80-120
39 1,2,3-Trichloropro	5.00000	4.77220	95.44	80-120
40 1,3,5-Trimethylben	5.00000	4.50861	90.17	80-120
41 1,2,4-Trimethylben	5.00000	4.77602	95.52	80-120
42 R-(+)-Limonene	5.00000	4.85231	97.05	70-130
43 1,3-Dichlorobenzen	5.00000	4.59908	91.98	70-130
44 1,4-Dichlorobenzen	5.00000	4.88655	97.73	70-130
45 1,2-Dichlorobenzen	5.00000	4.72515	94.50	70-130
46 1,4-Dithiane	5.00000	4.55829	91.17	70-130
47 1,2,4-Trichloroben	5.00000	4.63568	92.71	70-130
48 Naphthalene	5.00000	4.91263	98.25	70-130
49 1,2,3-Trichloroben	5.00000	4.79768	95.95	70-130

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	5.00000	5.14745	102.95	70-130

Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

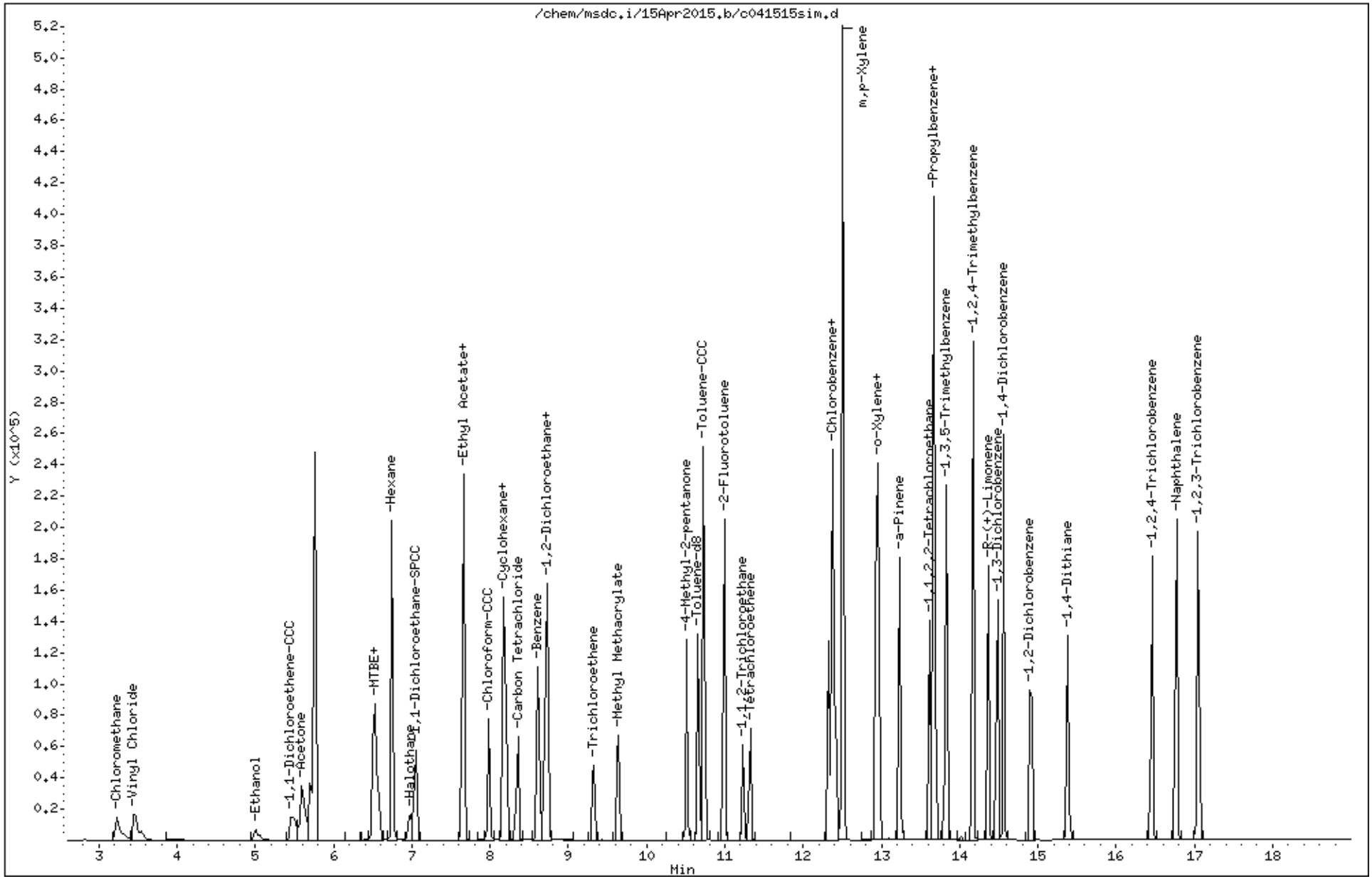
Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

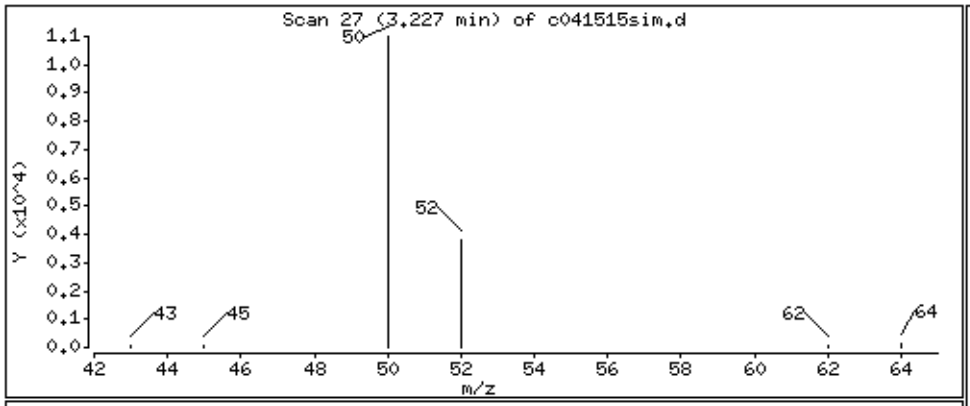
Operator: gm

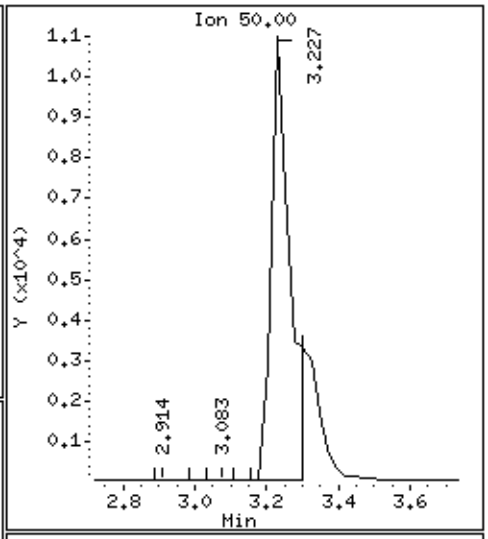
Column phase: DB-5.625

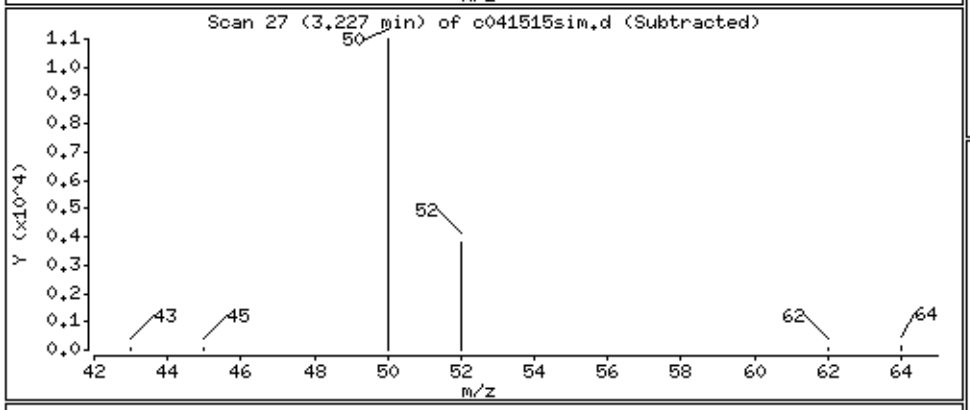
Column diameter: 0.25

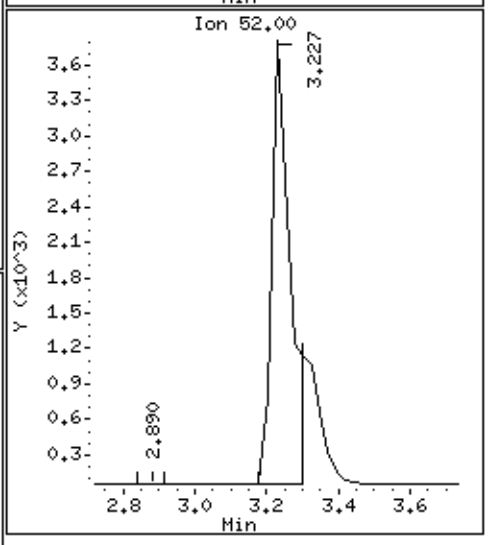
1 Chloromethane

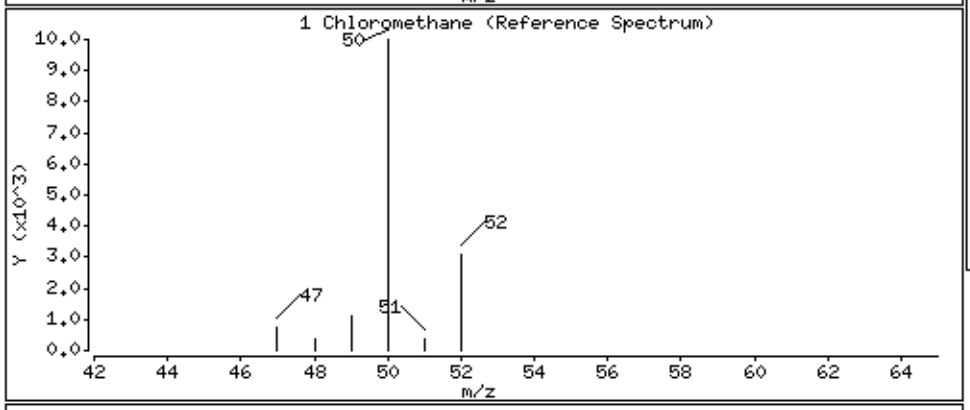
Concentration: 7.76264 ug

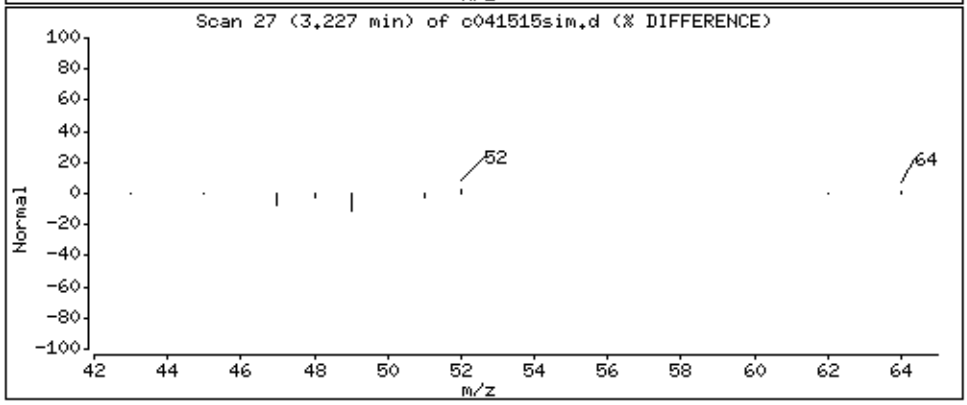












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

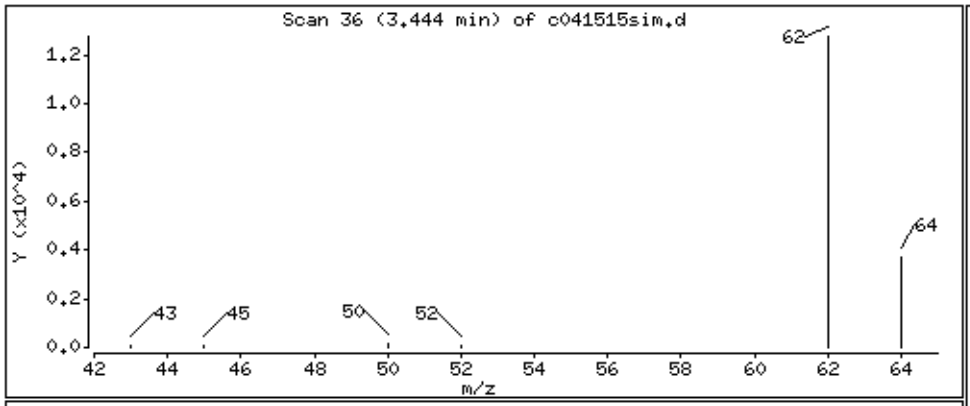
Operator: gm

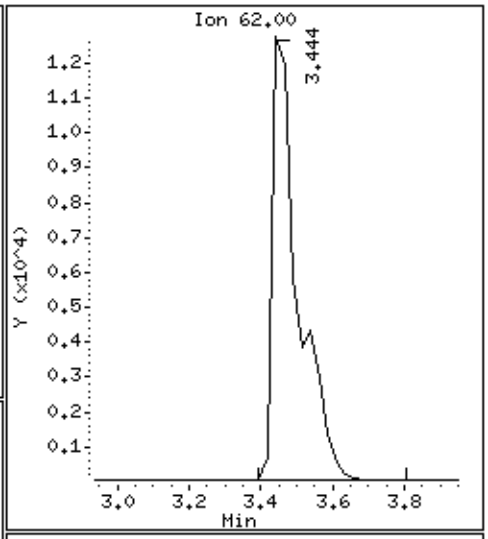
Column phase: DB-5.625

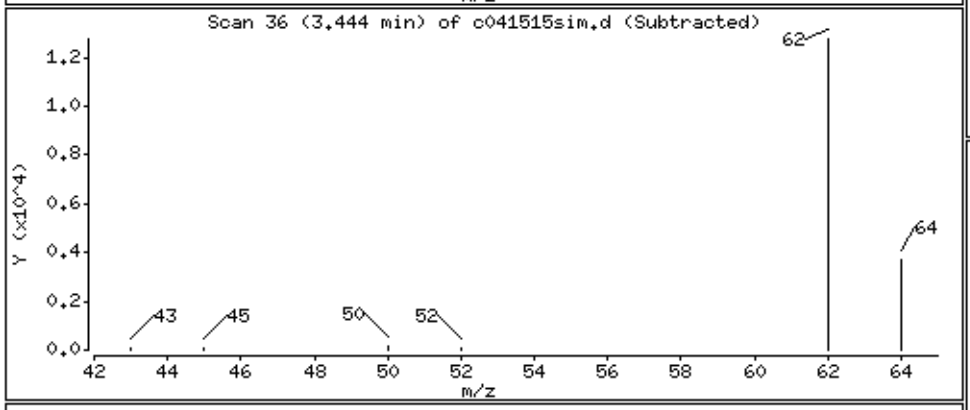
Column diameter: 0.25

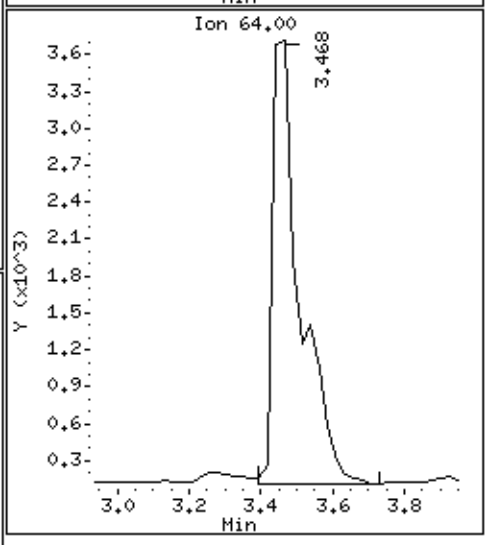
2 Vinyl Chloride

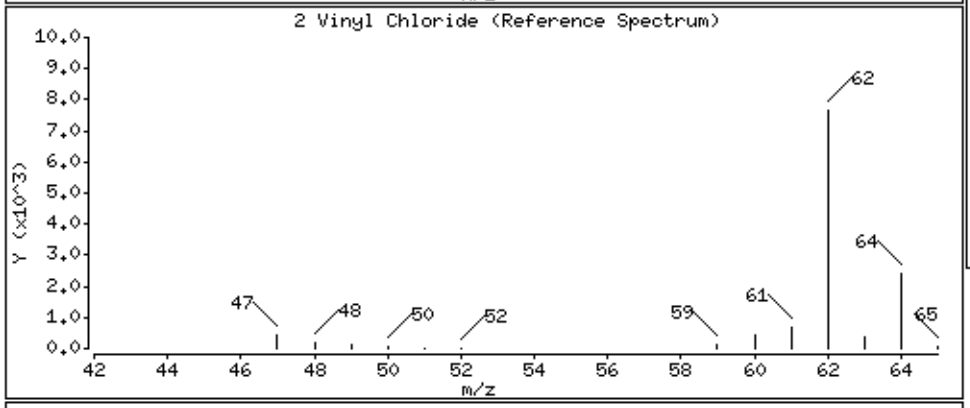
Concentration: 6.15370 ug

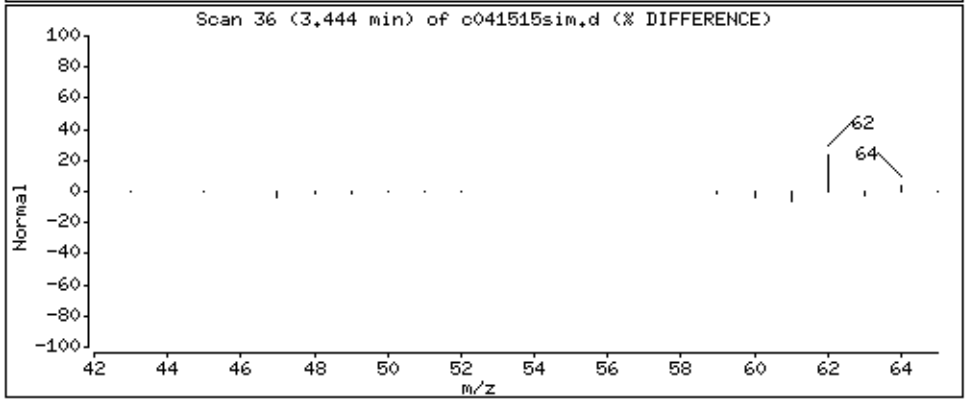












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

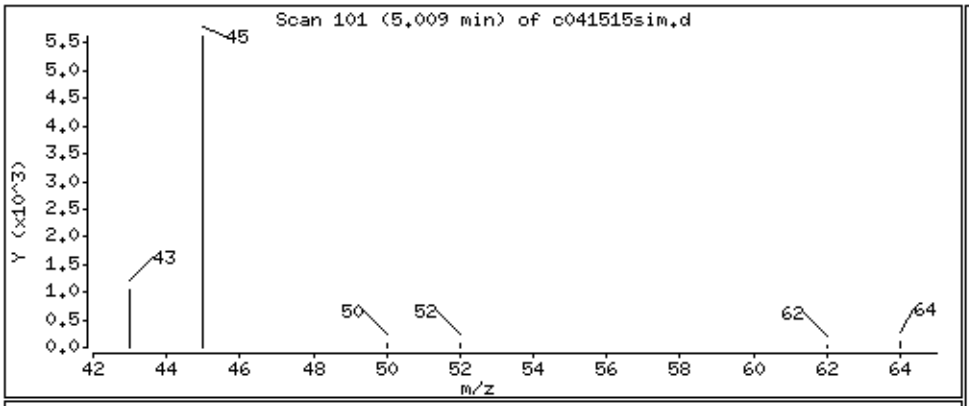
Operator: gm

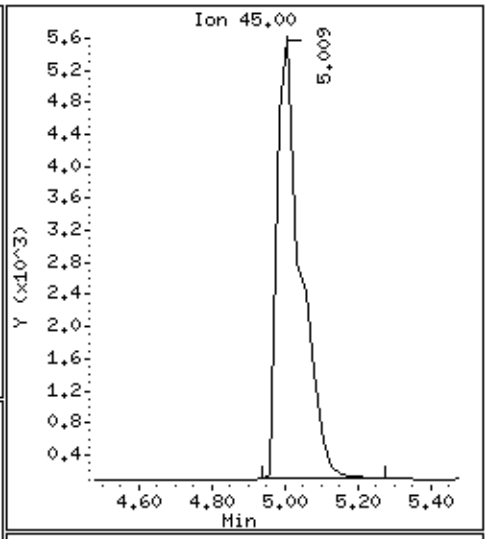
Column phase: DB-5.625

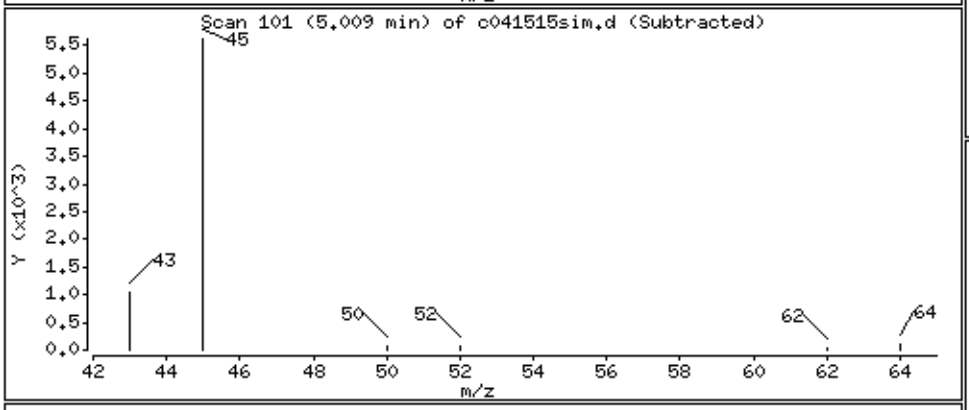
Column diameter: 0.25

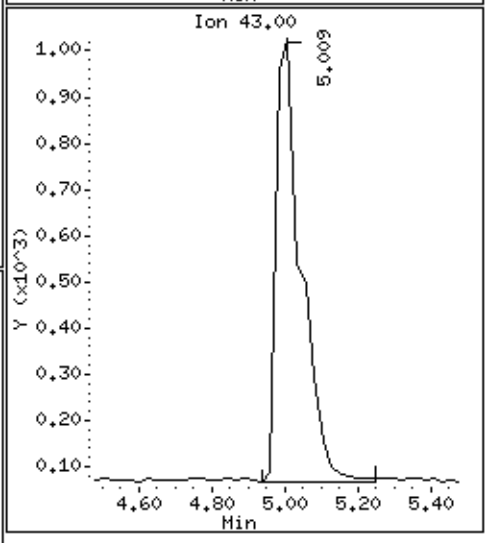
3 Ethanol

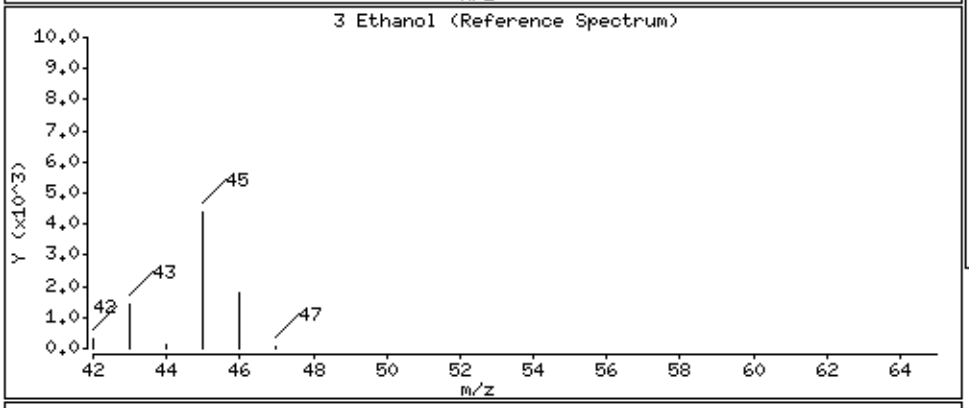
Concentration: 5.44205 ug

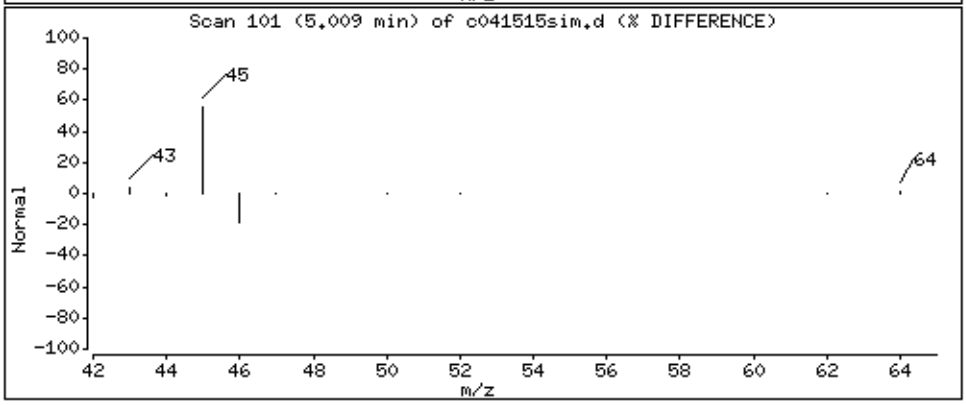












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

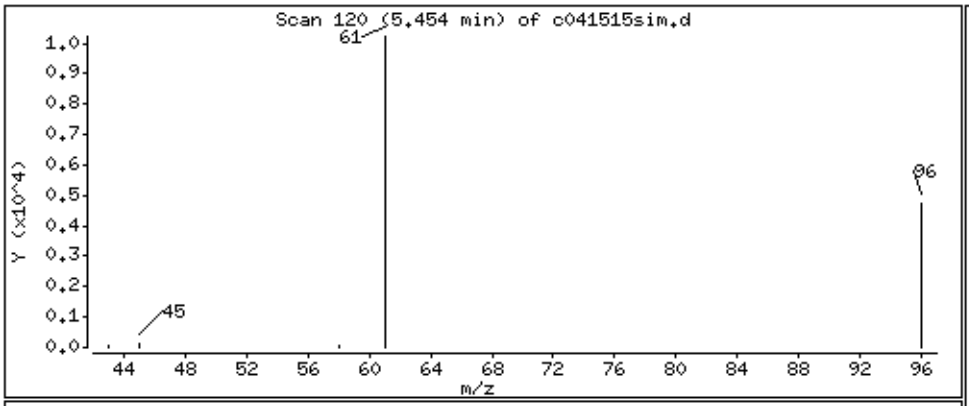
Operator: gm

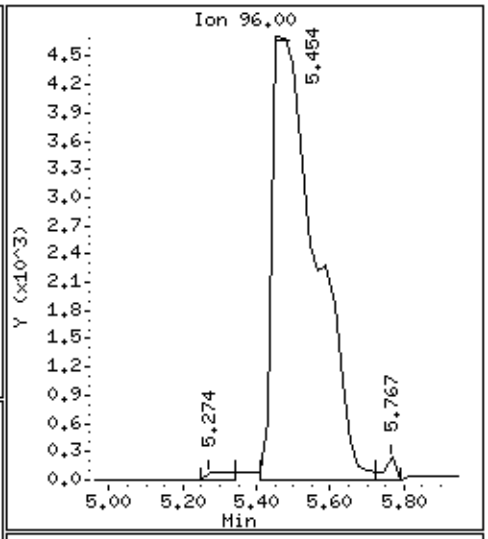
Column phase: DB-5.625

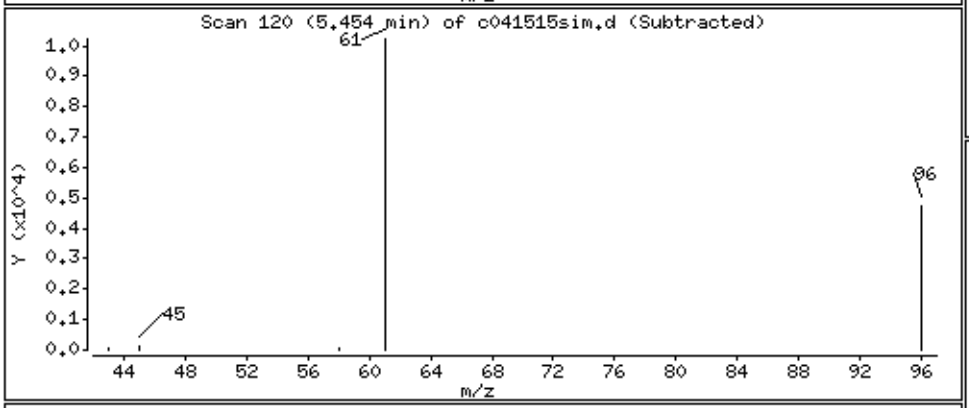
Column diameter: 0.25

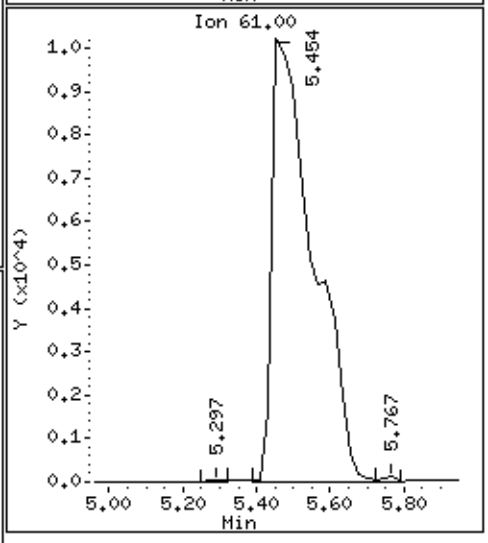
4 1,1-Dichloroethene-CCC

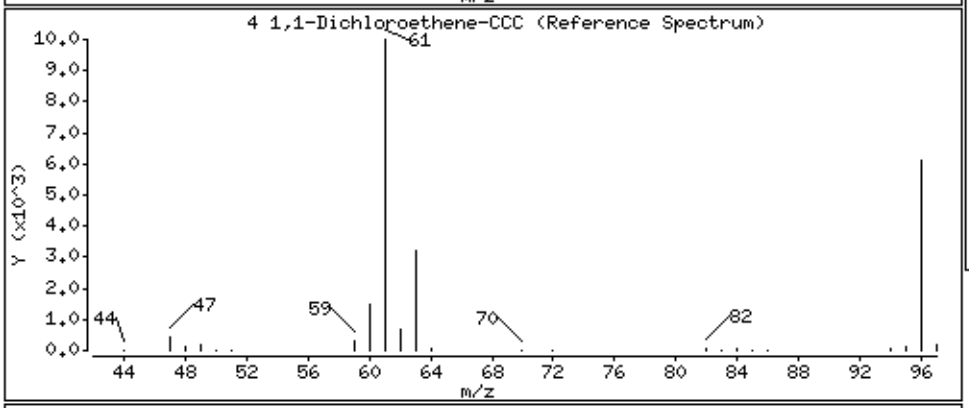
Concentration: 6.07945 ug

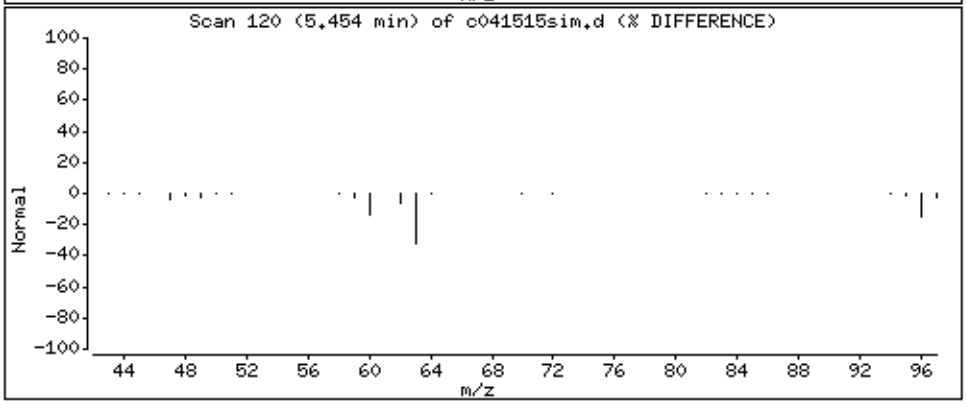












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

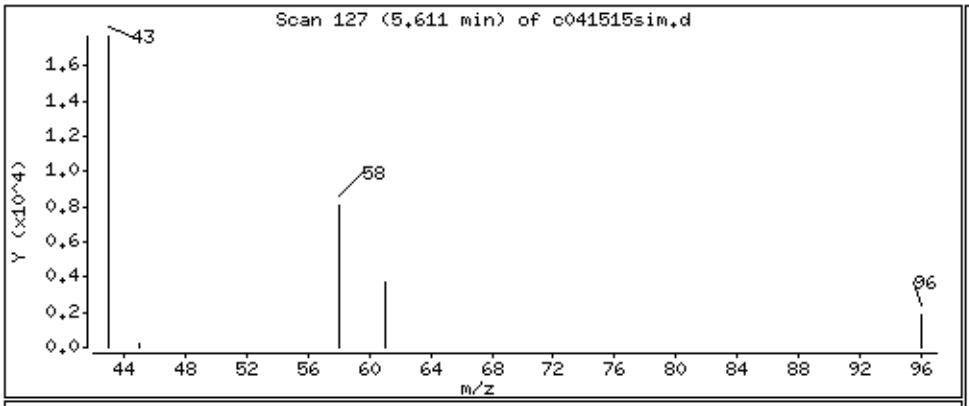
Operator: gm

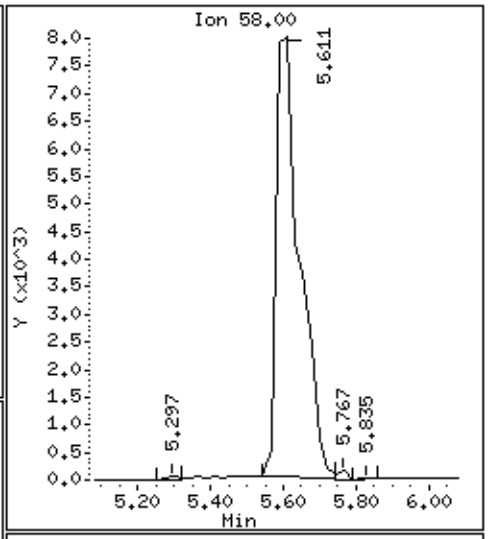
Column phase: DB-5.625

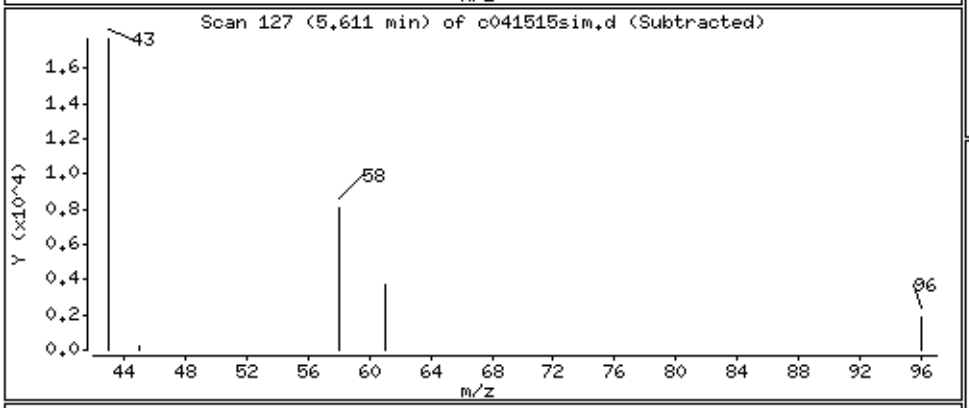
Column diameter: 0.25

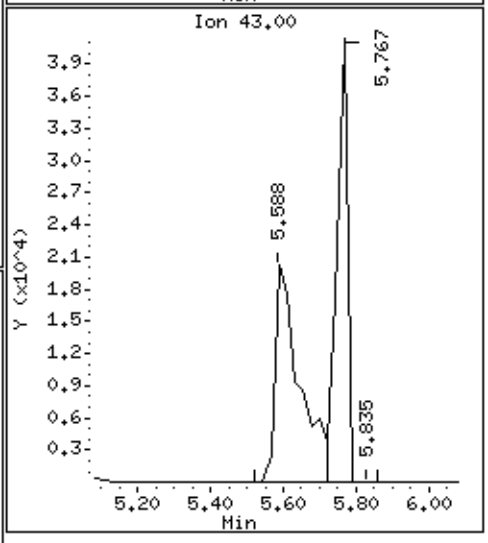
5 Acetone

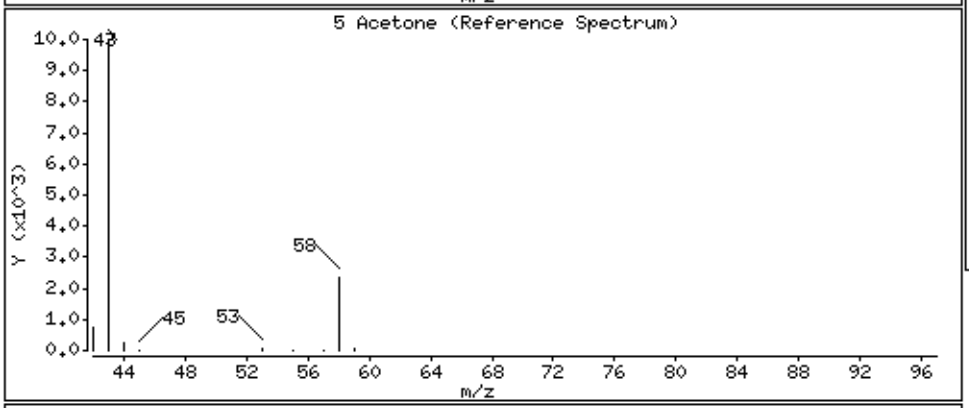
Concentration: 5.29477 ug

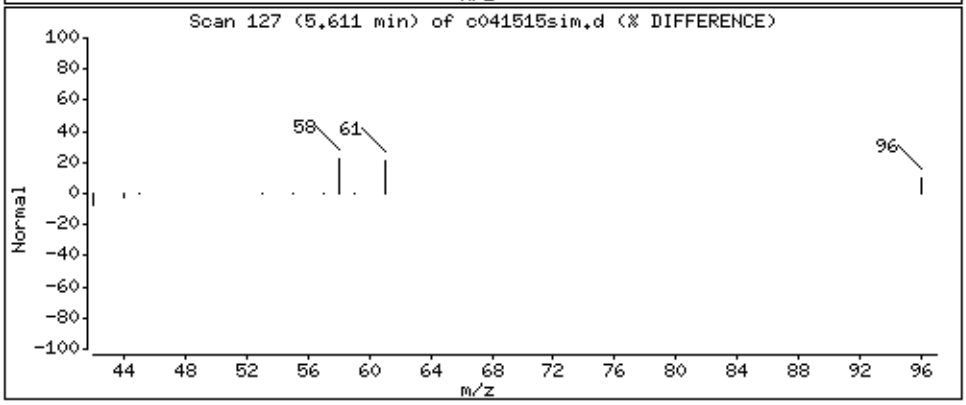












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

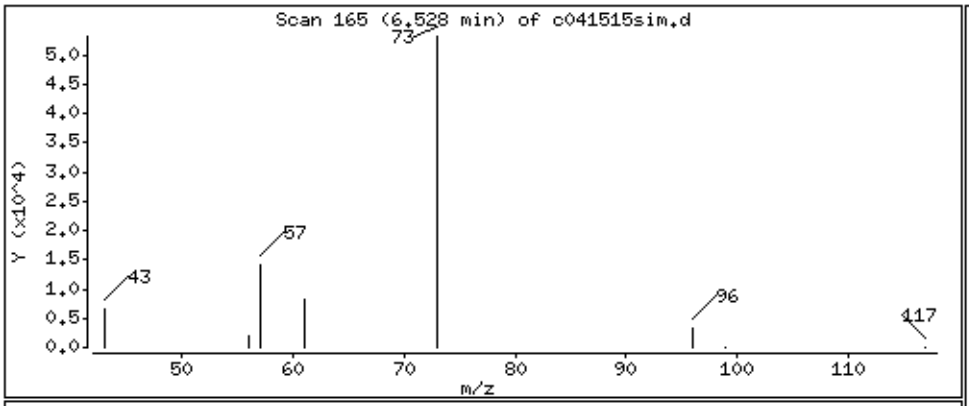
Operator: gm

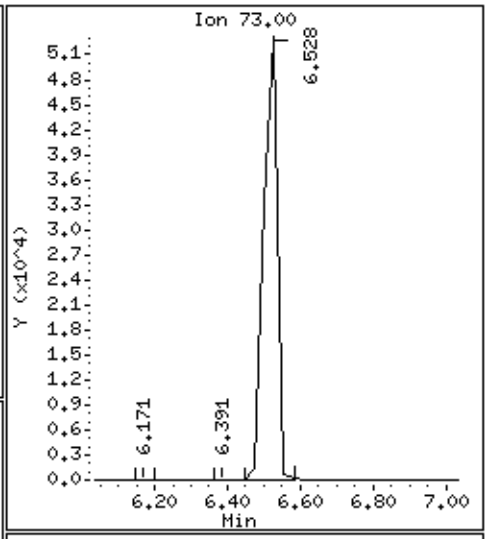
Column phase: DB-5.625

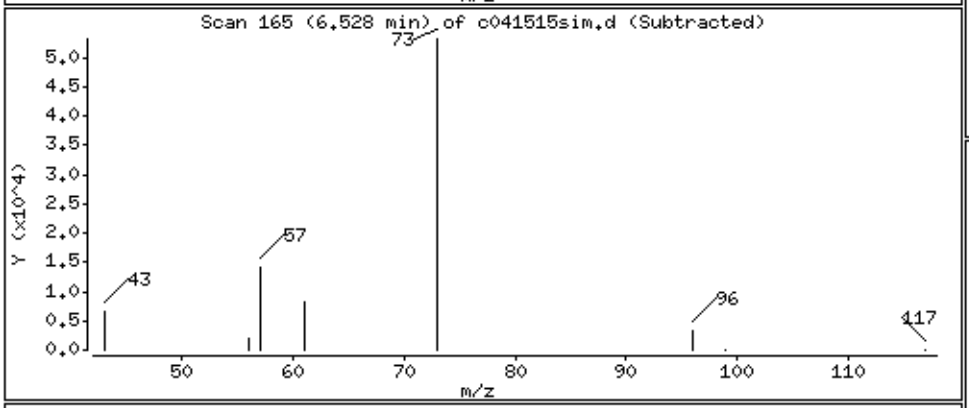
Column diameter: 0.25

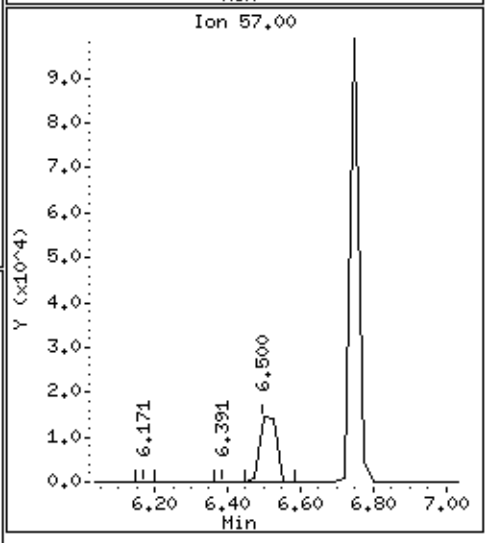
7 MTBE

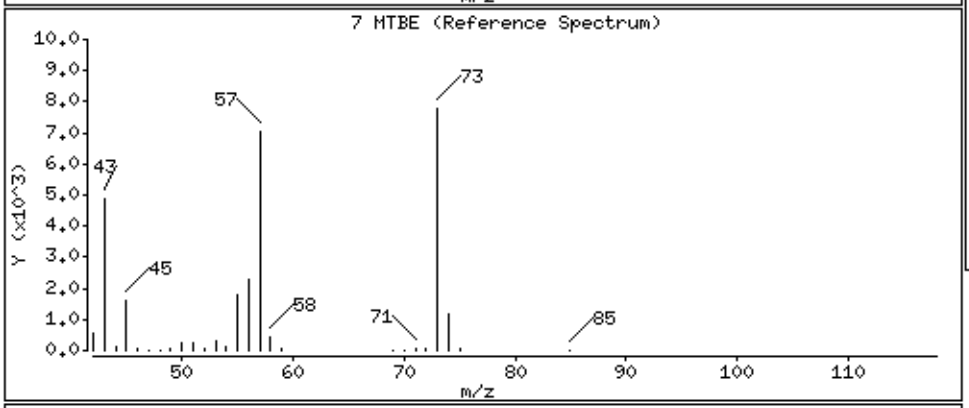
Concentration: 5.05374 ug

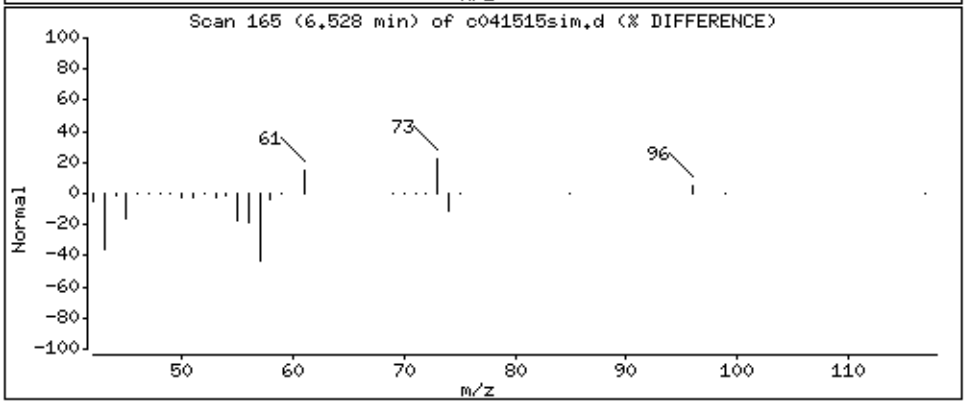












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

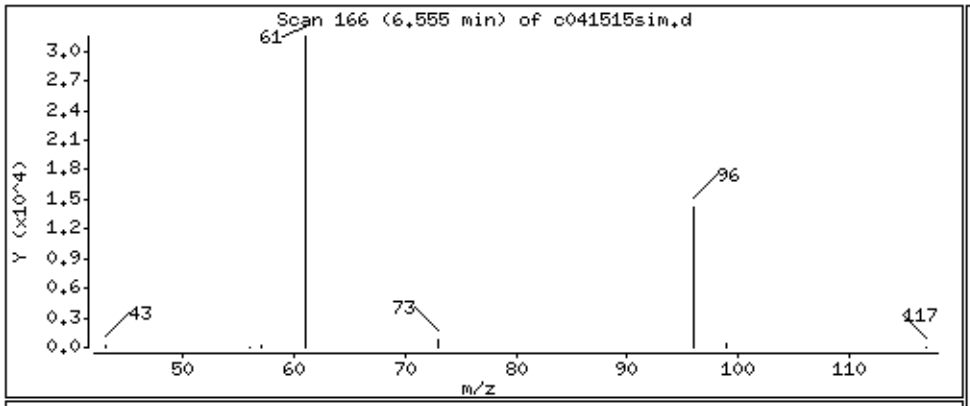
Operator: gm

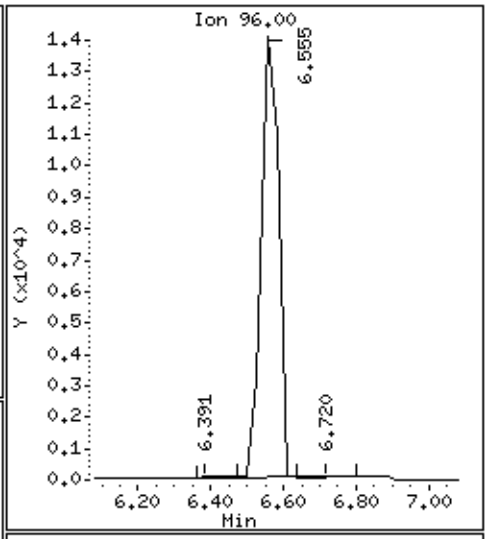
Column phase: DB-5.625

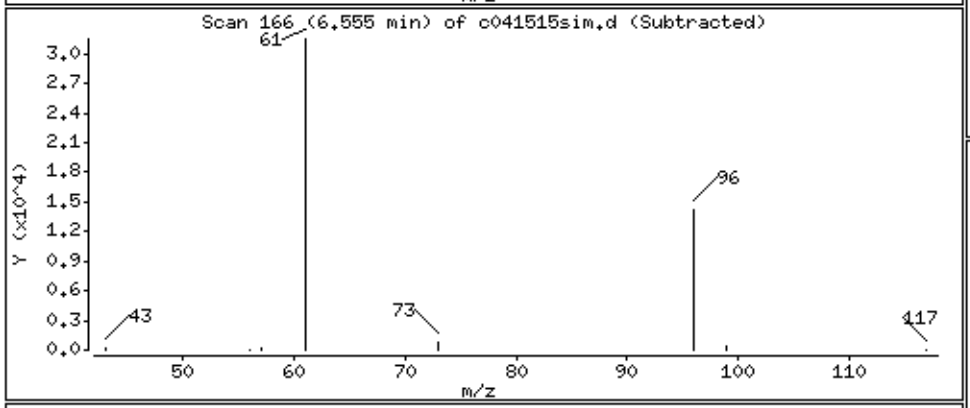
Column diameter: 0.25

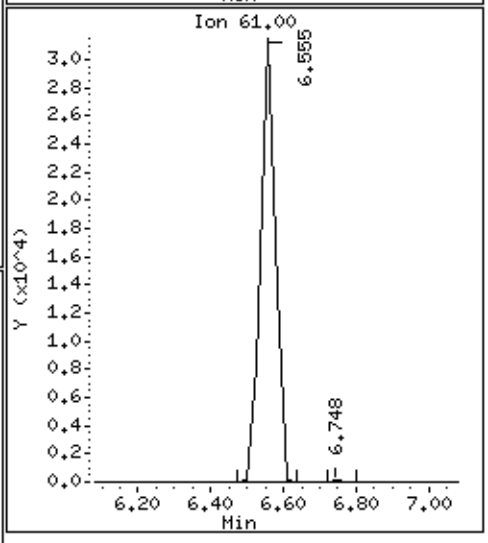
8 trans-1,2-Dichloroethene

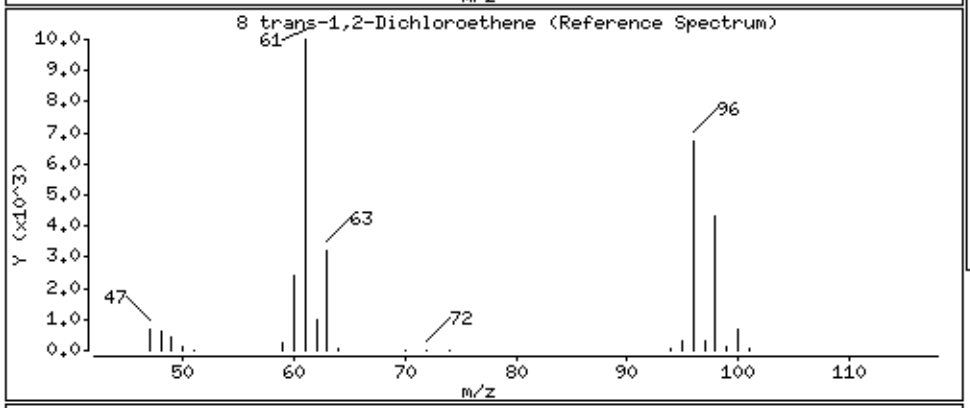
Concentration: 4.65062 ug

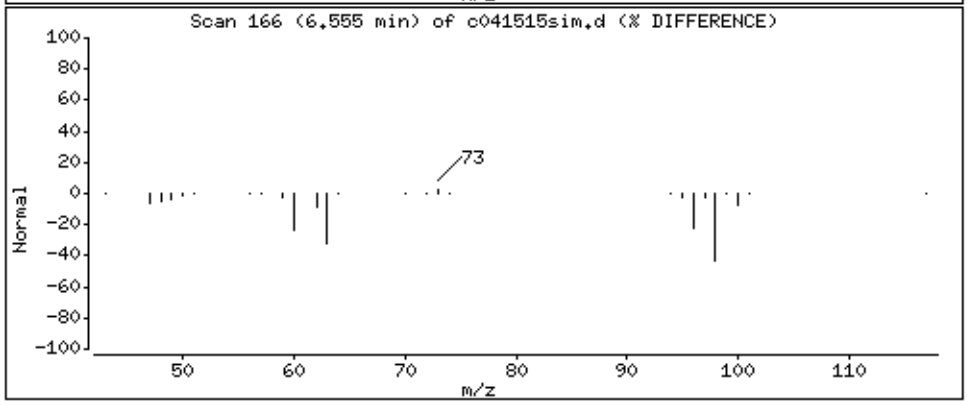












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

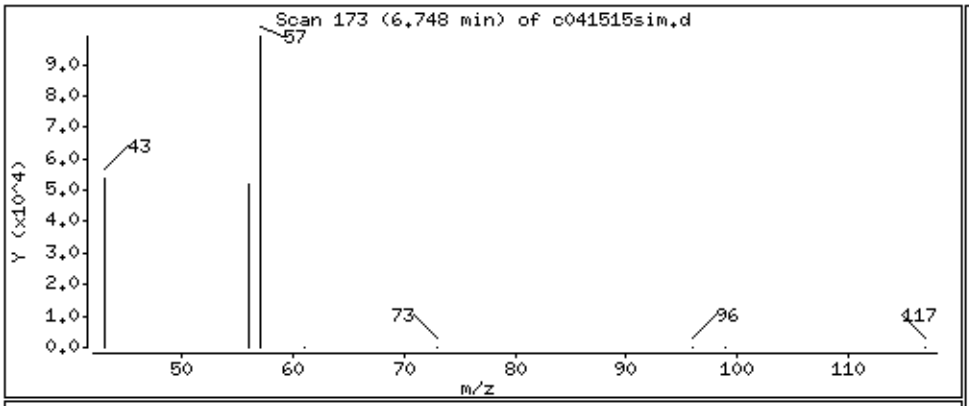
Operator: gm

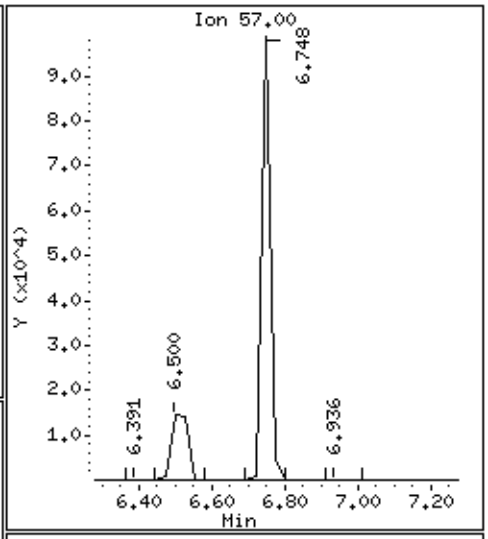
Column phase: DB-5.625

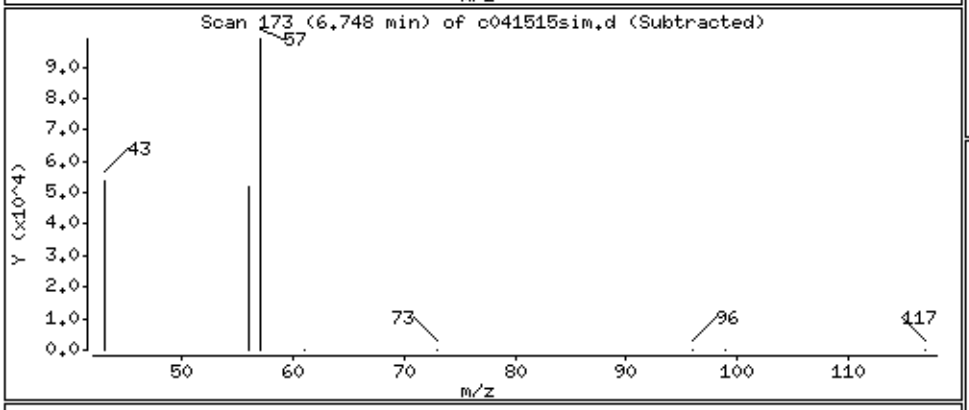
Column diameter: 0.25

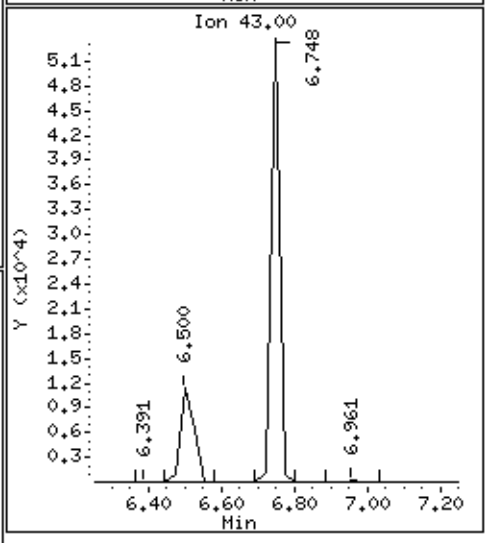
9 Hexane

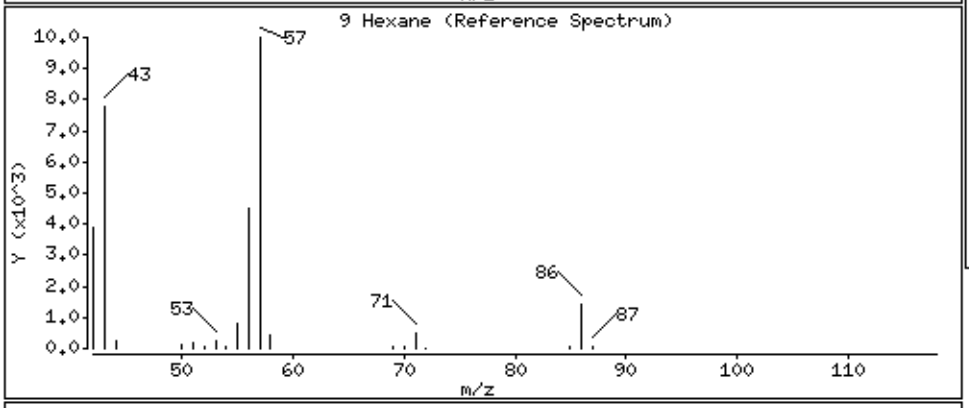
Concentration: 5.77652 ug

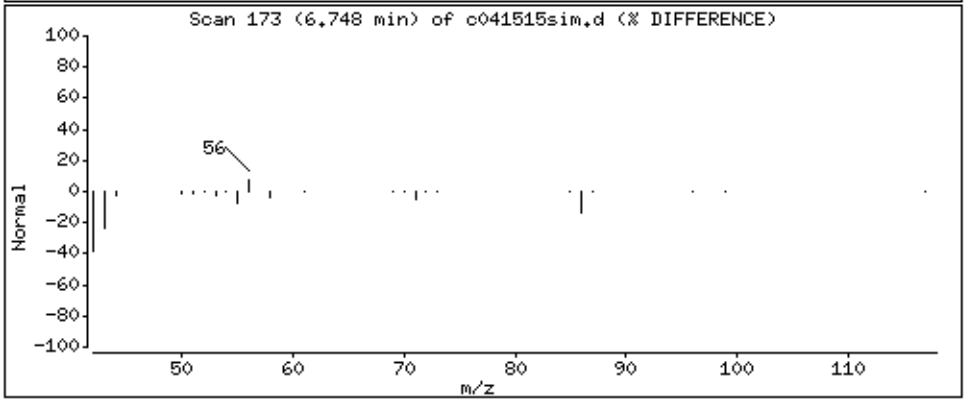












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

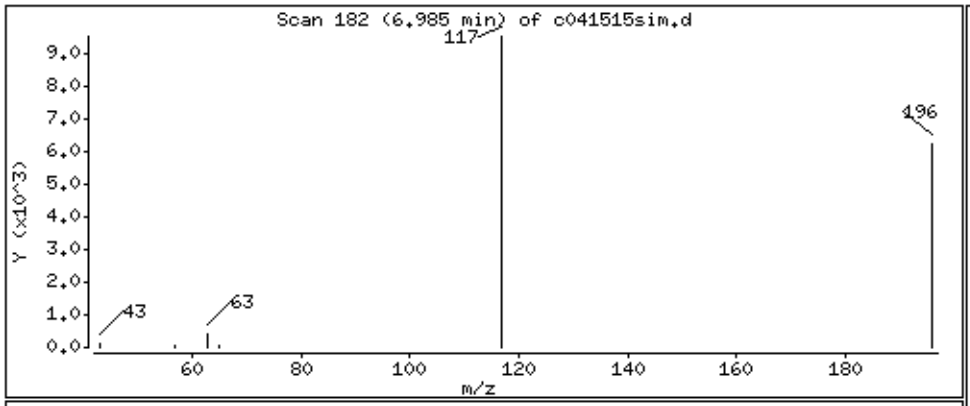
Operator: gm

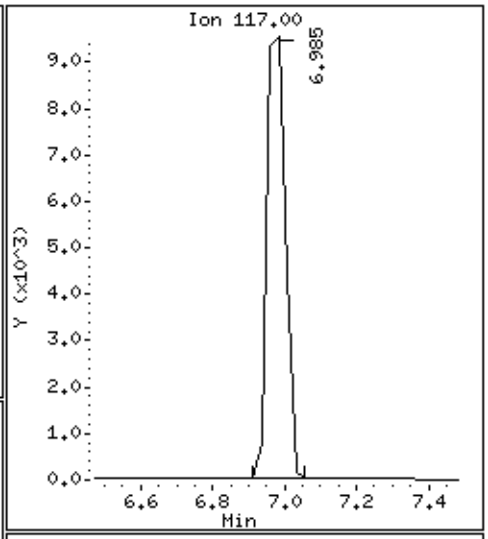
Column phase: DB-5.625

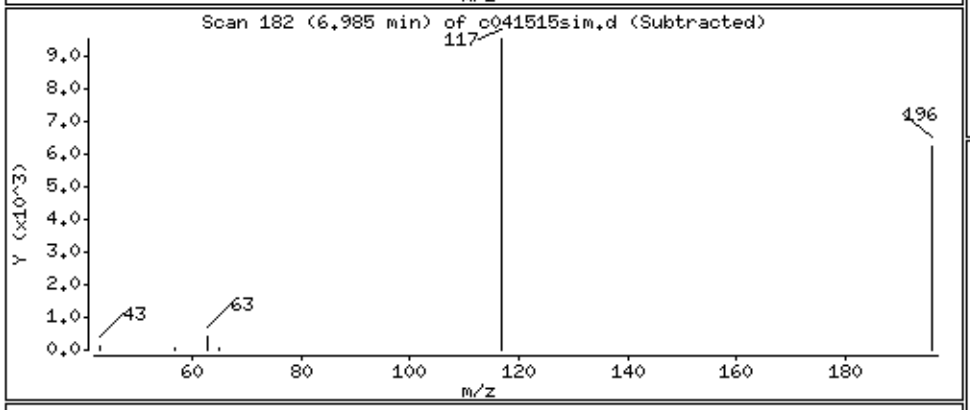
Column diameter: 0.25

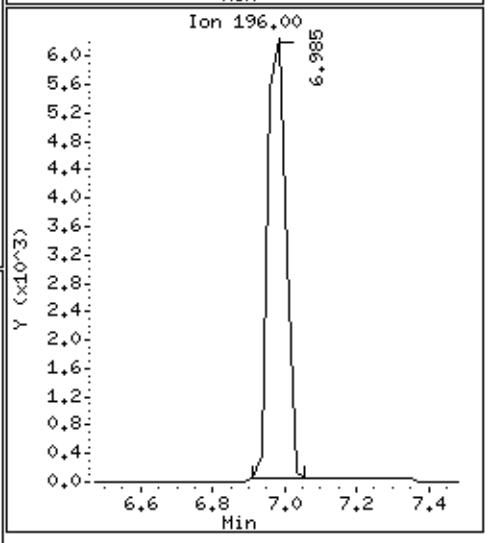
10 Halothane

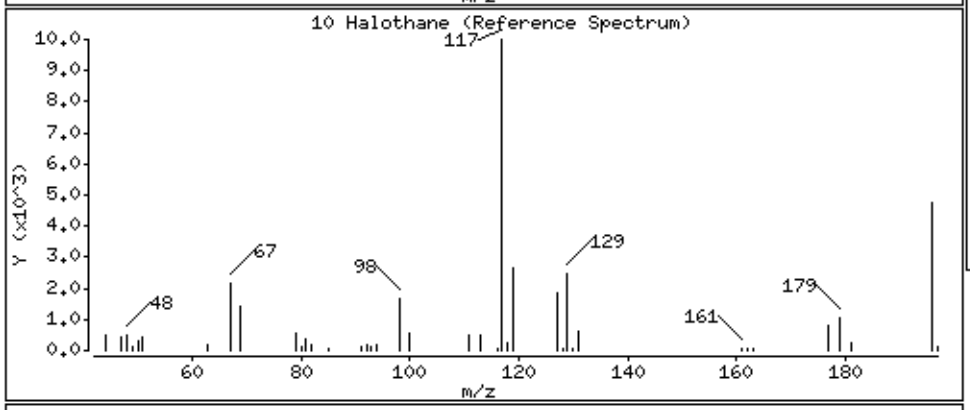
Concentration: 5.34247 ug

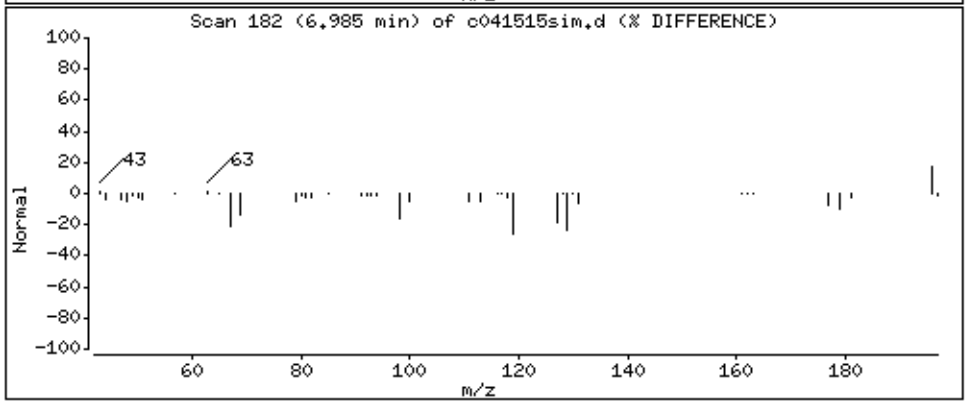












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

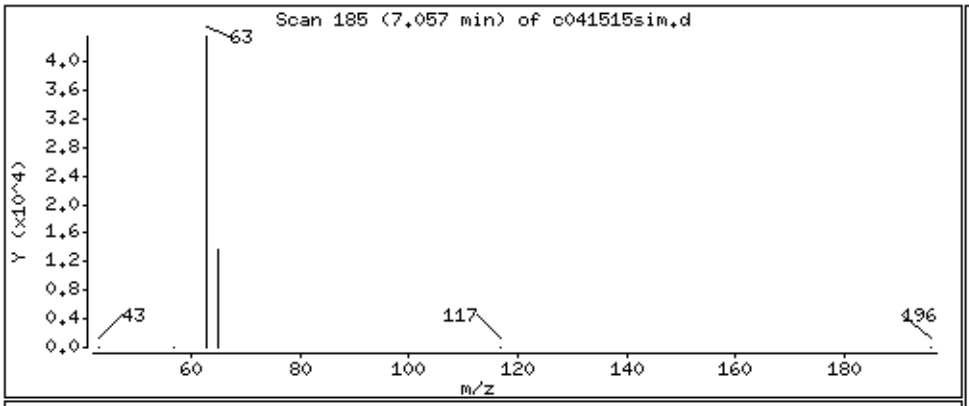
Operator: gm

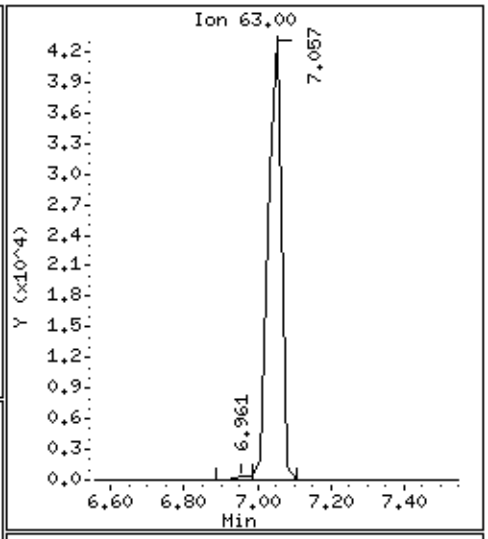
Column phase: DB-5.625

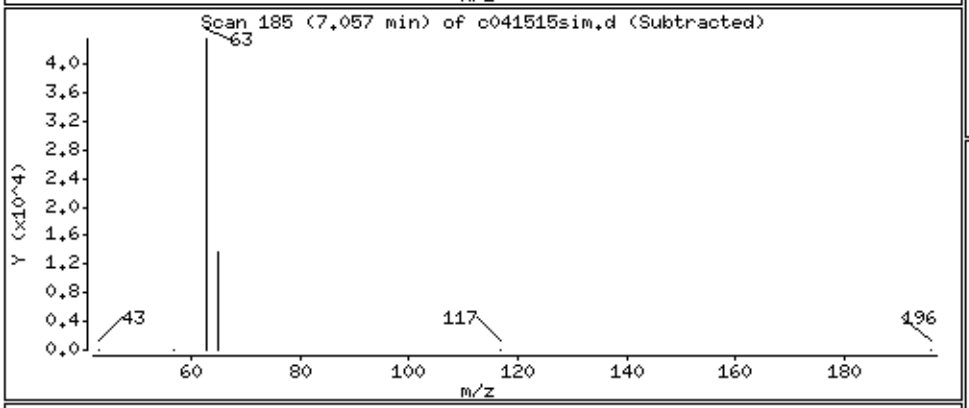
Column diameter: 0.25

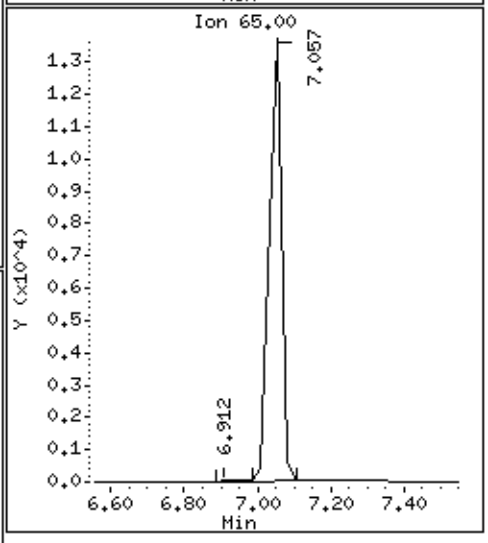
11 1,1-Dichloroethane-SPCC

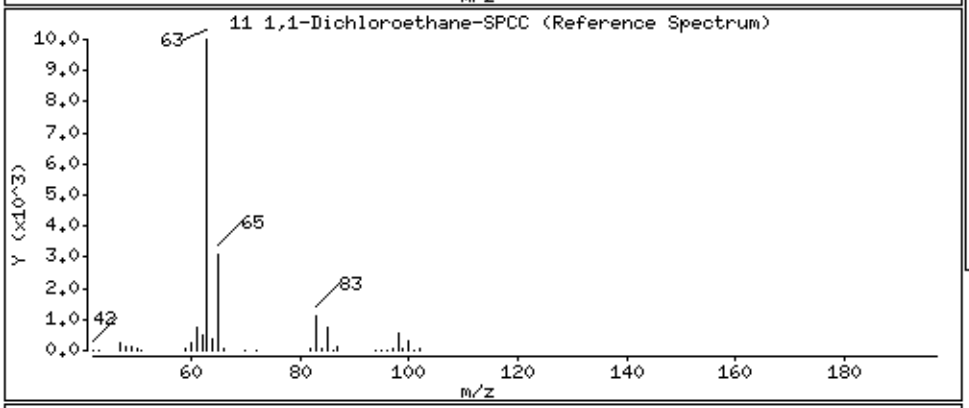
Concentration: 5.10358 ug

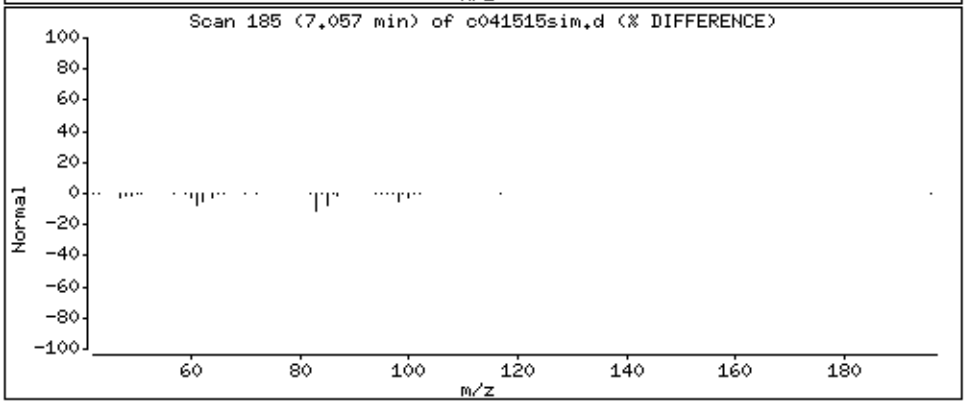












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

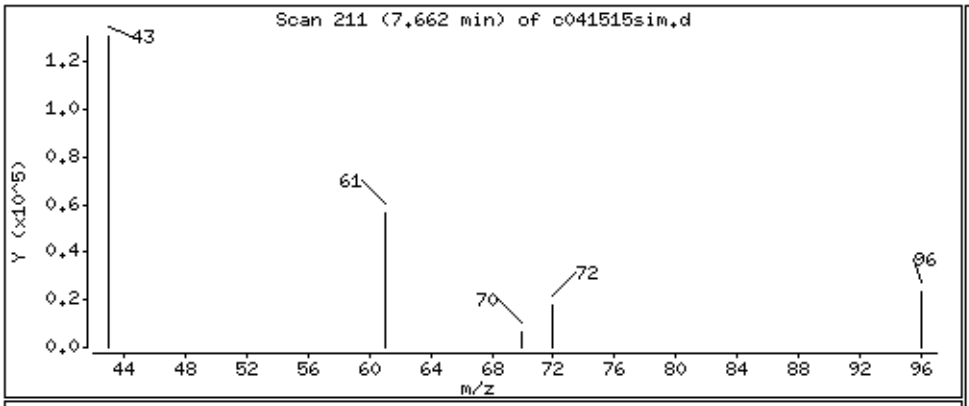
Operator: gm

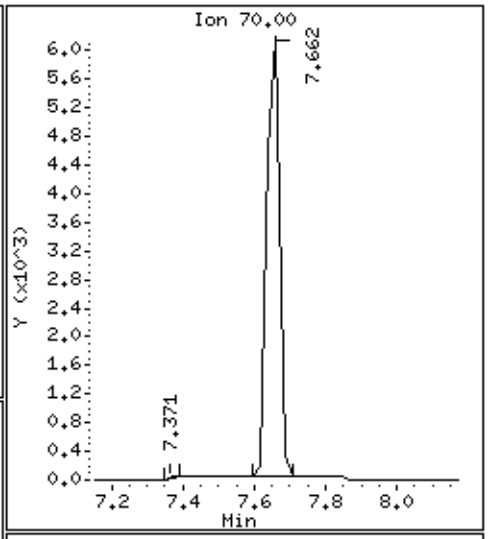
Column phase: DB-5.625

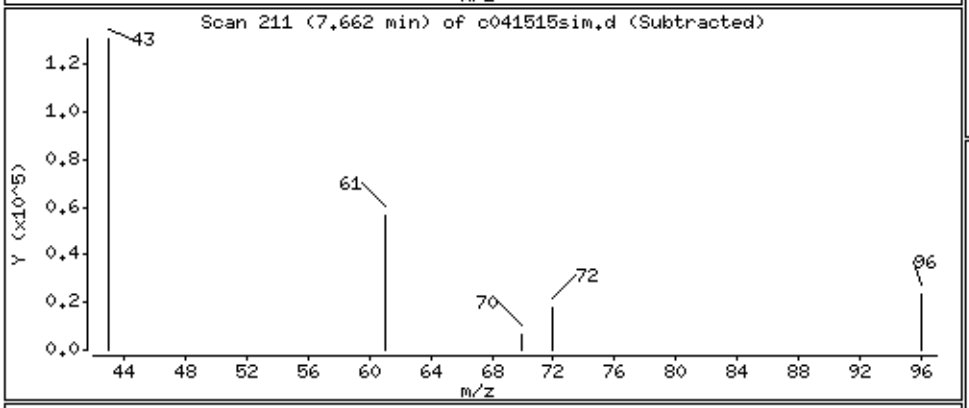
Column diameter: 0.25

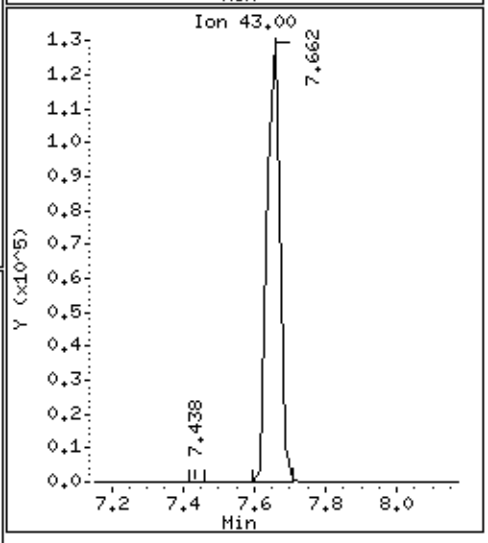
12 Ethyl Acetate

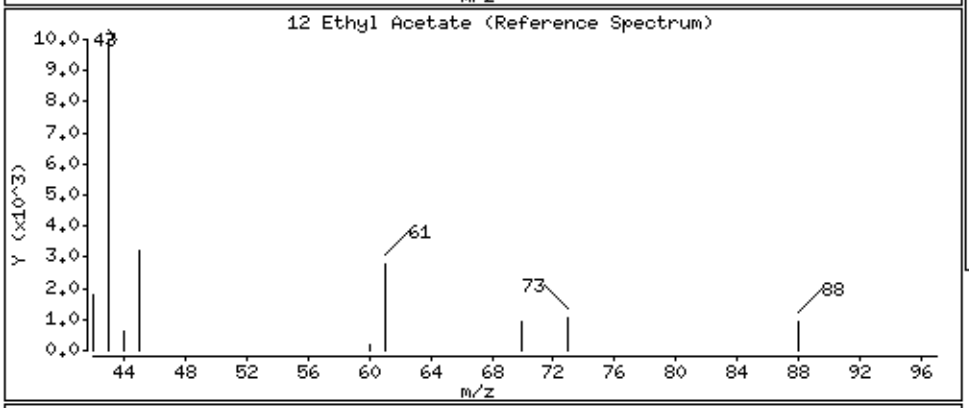
Concentration: 4.97639 ug

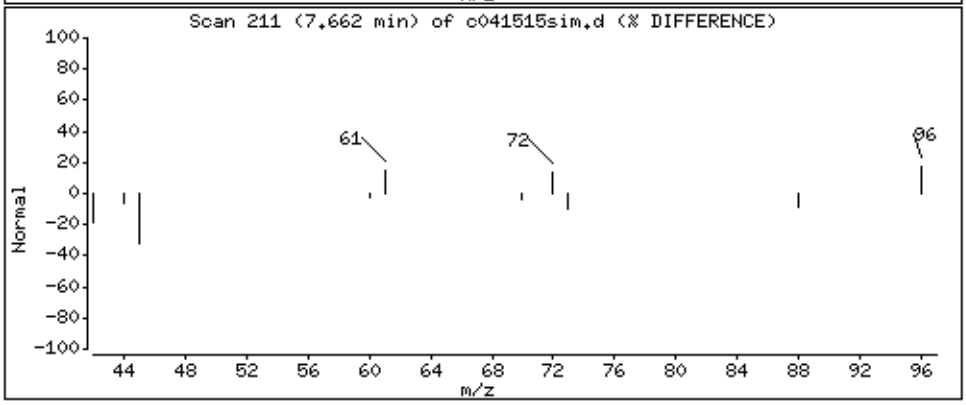












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

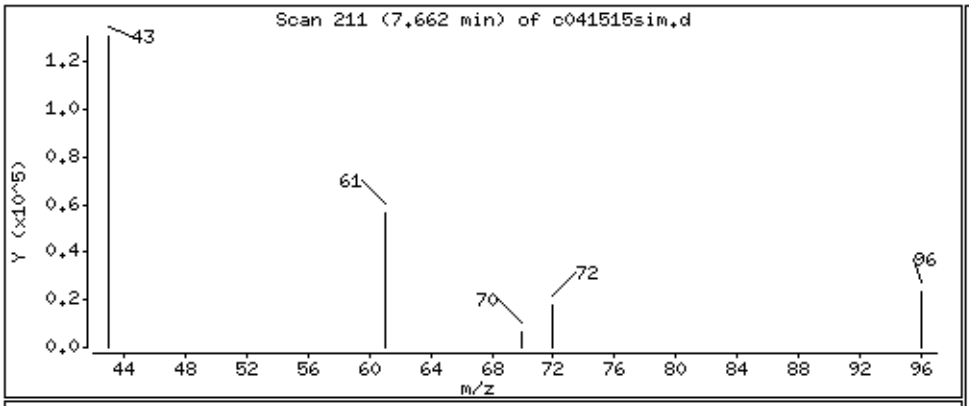
Operator: gm

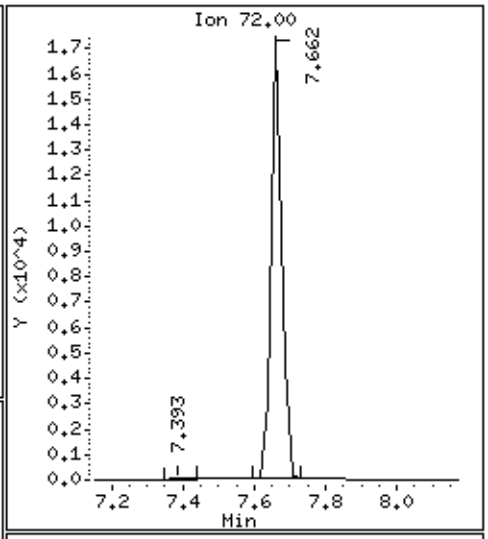
Column phase: DB-5.625

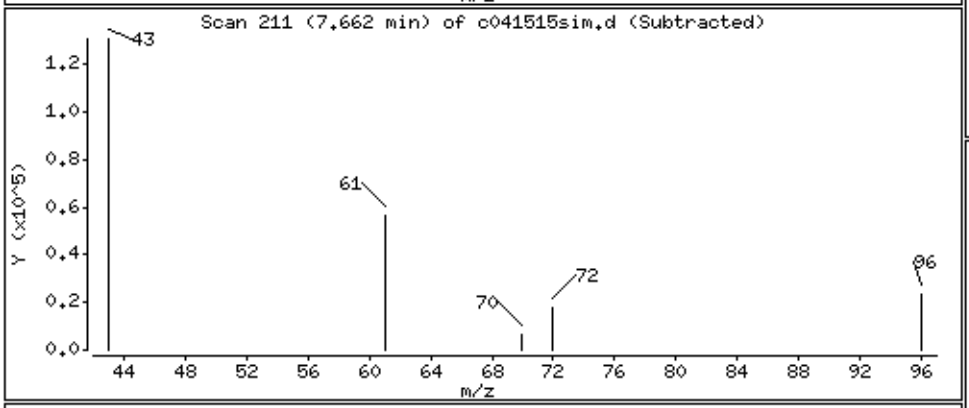
Column diameter: 0.25

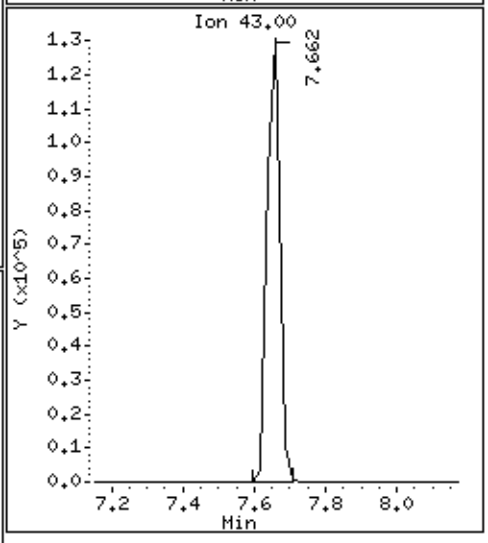
13 2-Butanone

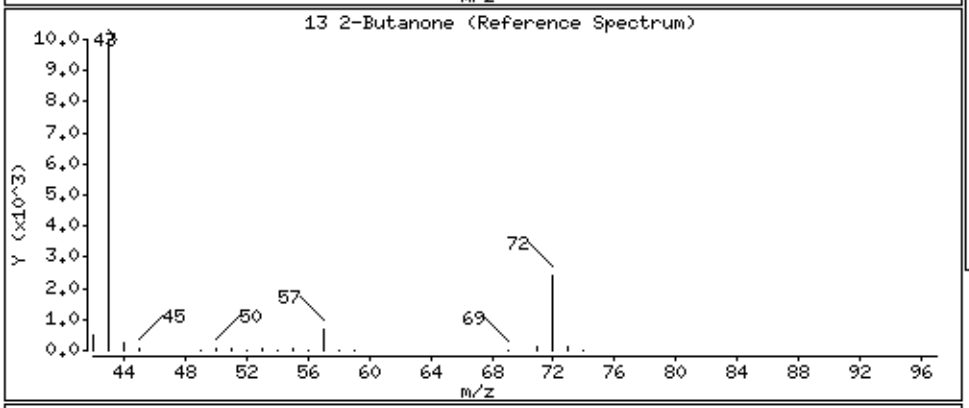
Concentration: 5.07471 ug

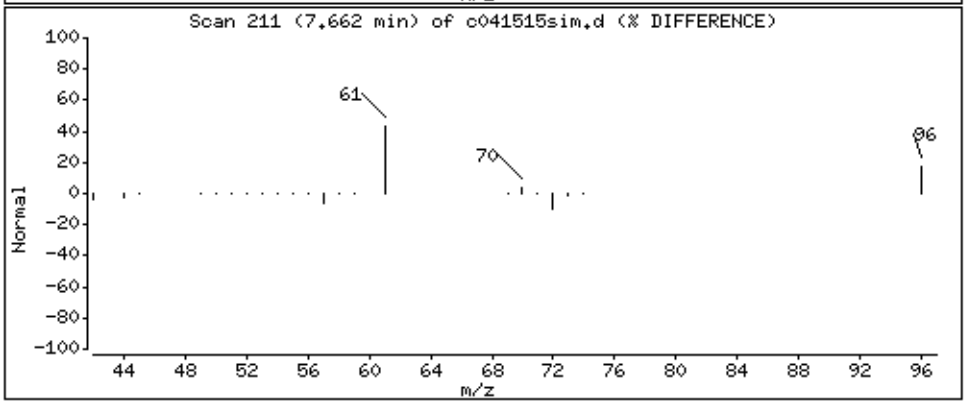












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

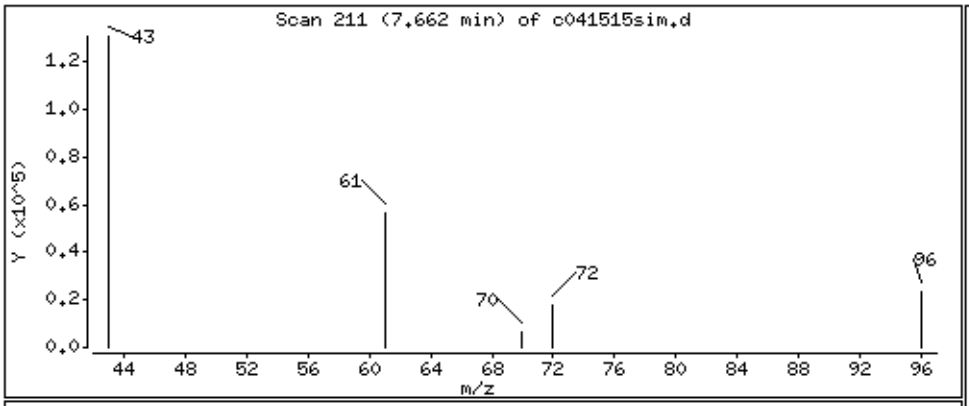
Operator: gm

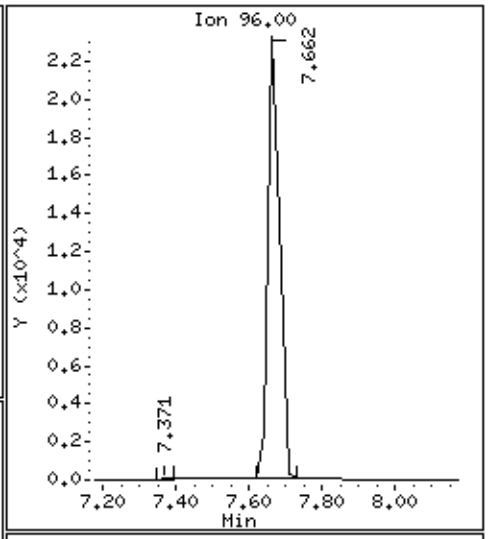
Column phase: DB-5.625

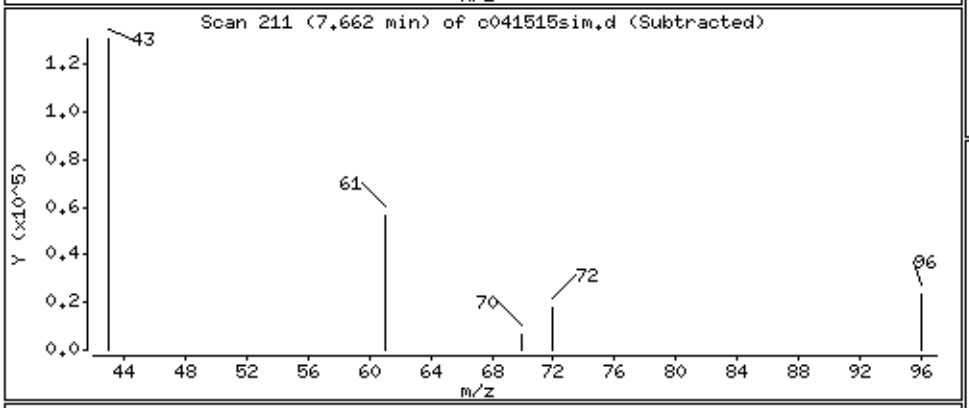
Column diameter: 0.25

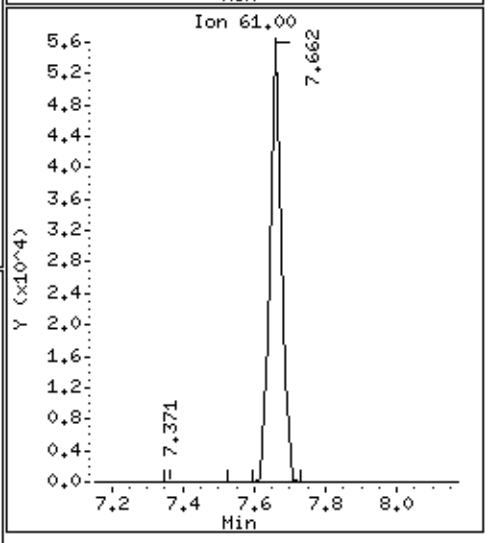
14 cis-1,2-Dichloroethene

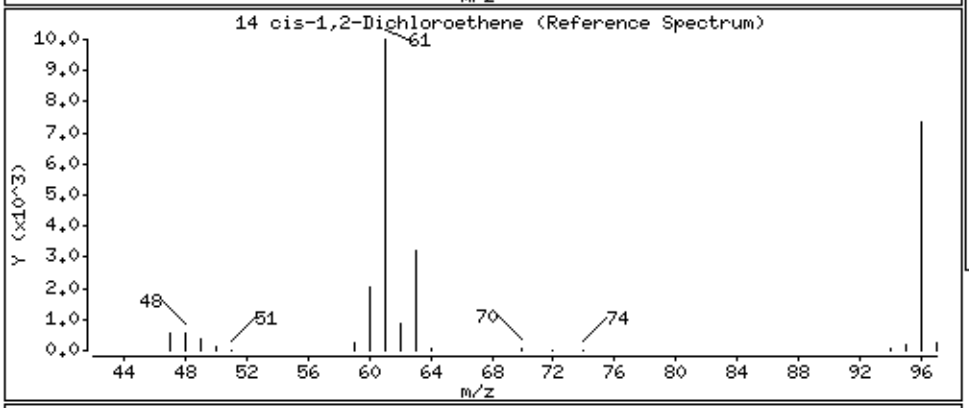
Concentration: 4.90270 ug

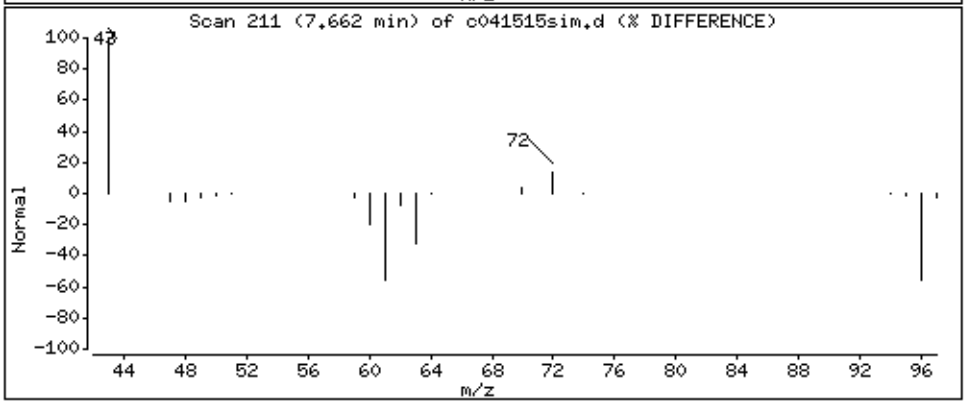












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

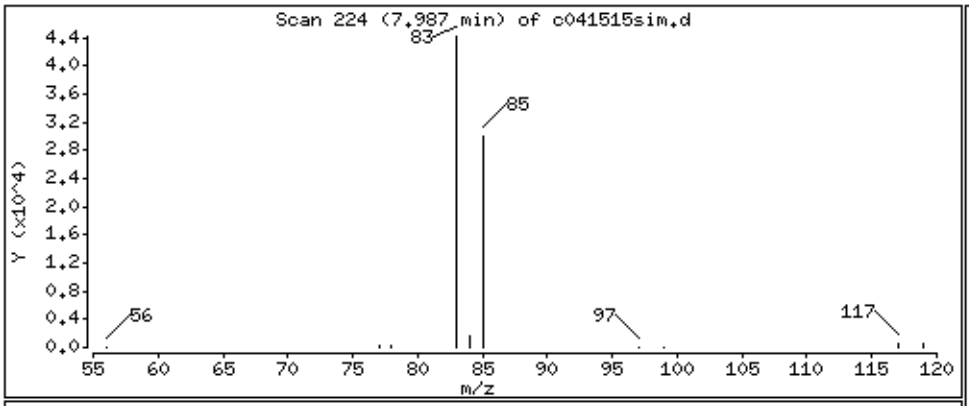
Operator: gm

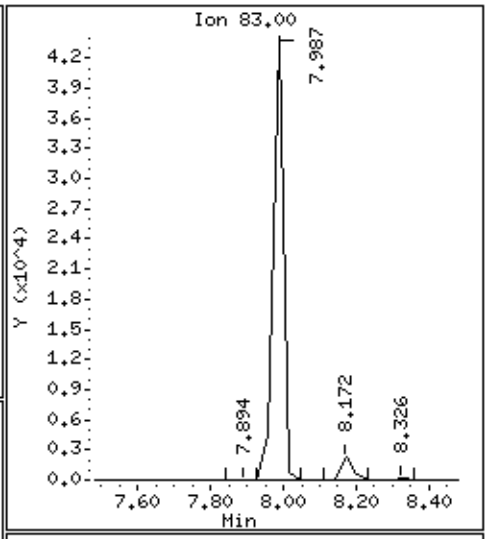
Column phase: DB-5.625

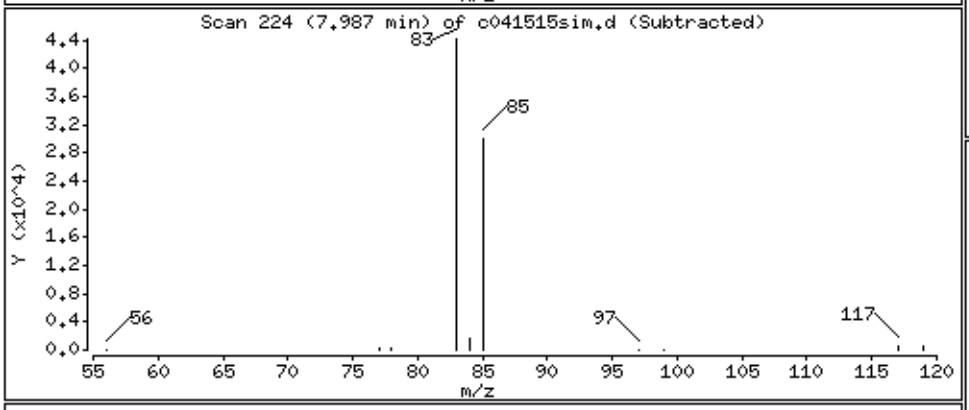
Column diameter: 0.25

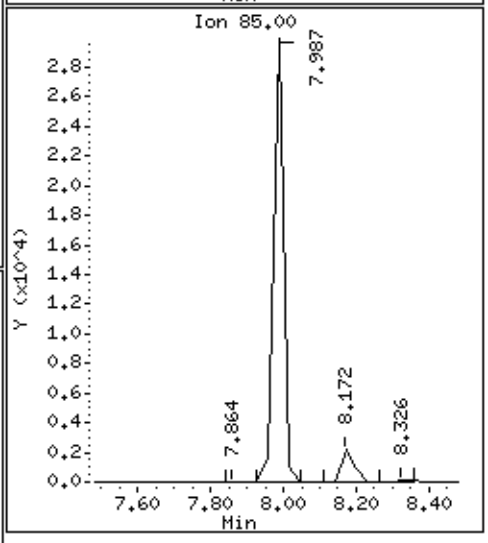
15 Chloroform-CCC

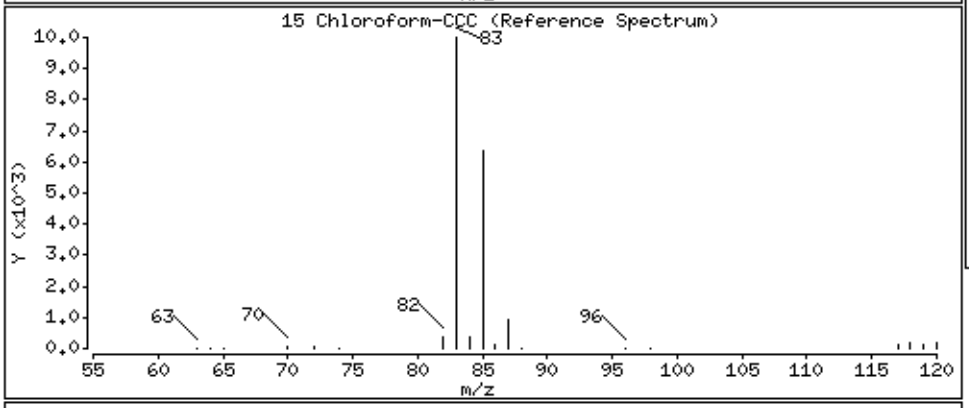
Concentration: 4.96043 ug

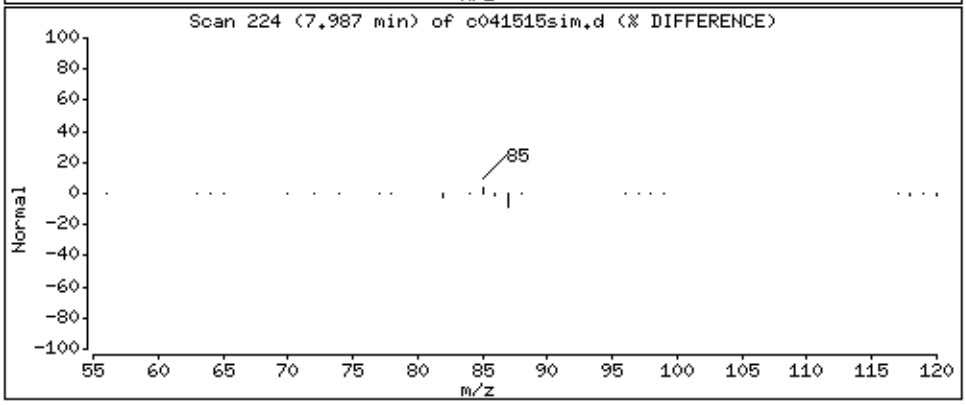












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

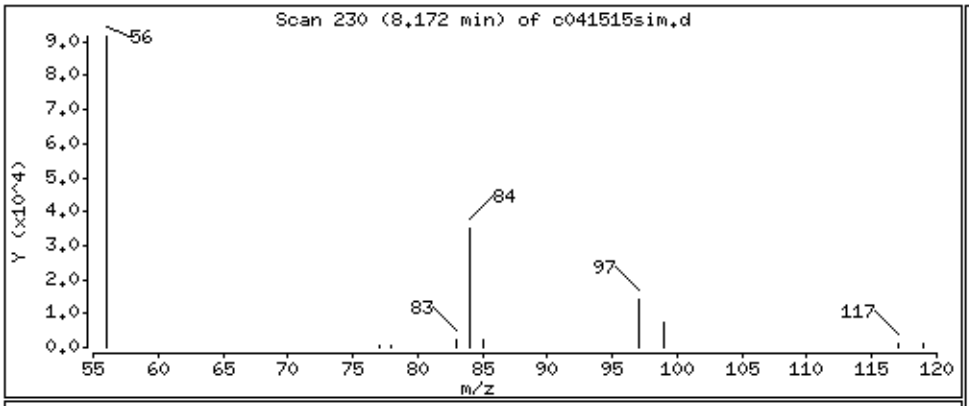
Operator: gm

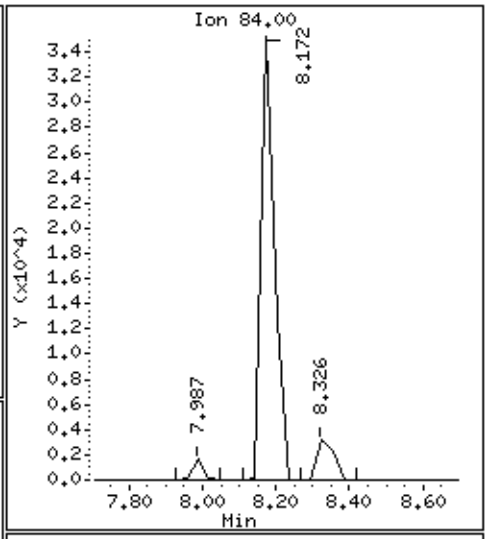
Column phase: DB-5.625

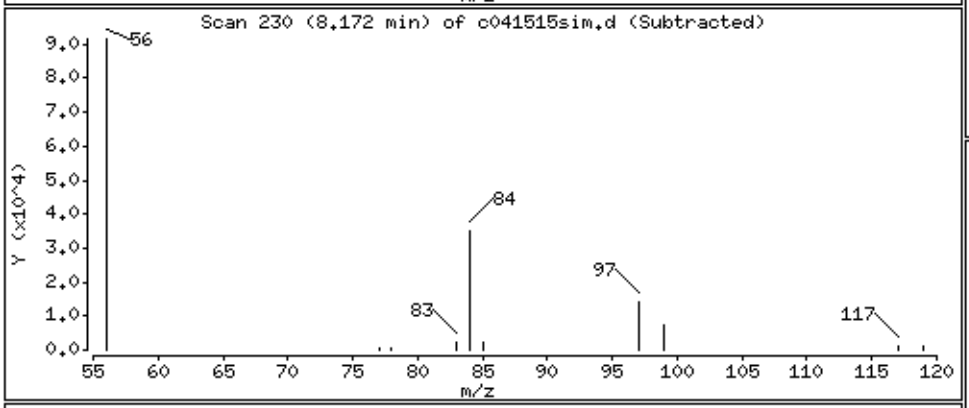
Column diameter: 0.25

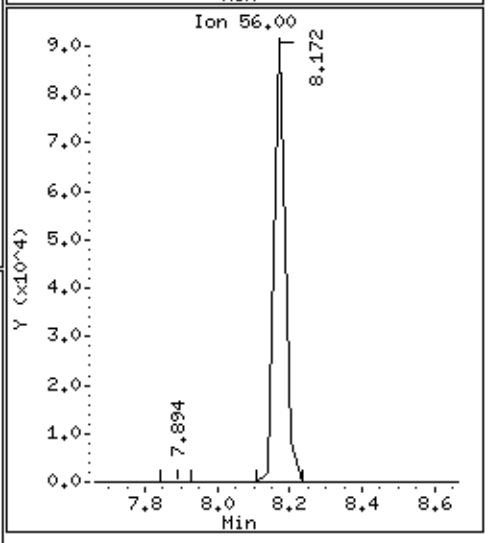
16 Cyclohexane

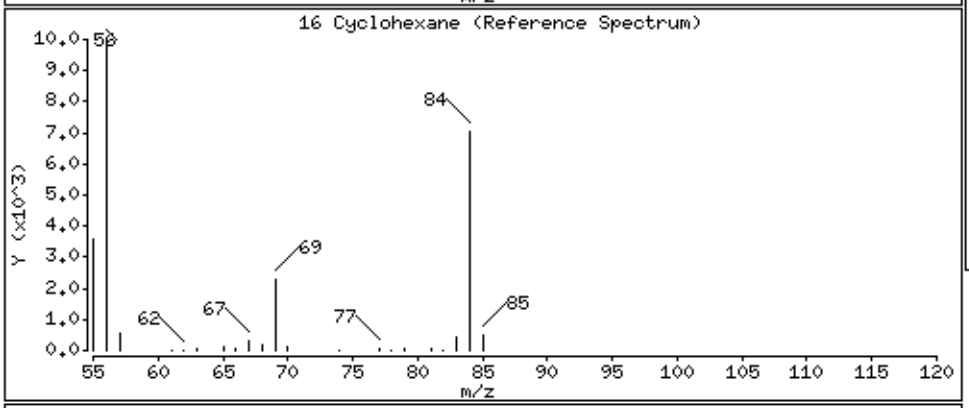
Concentration: 4.80852 ug

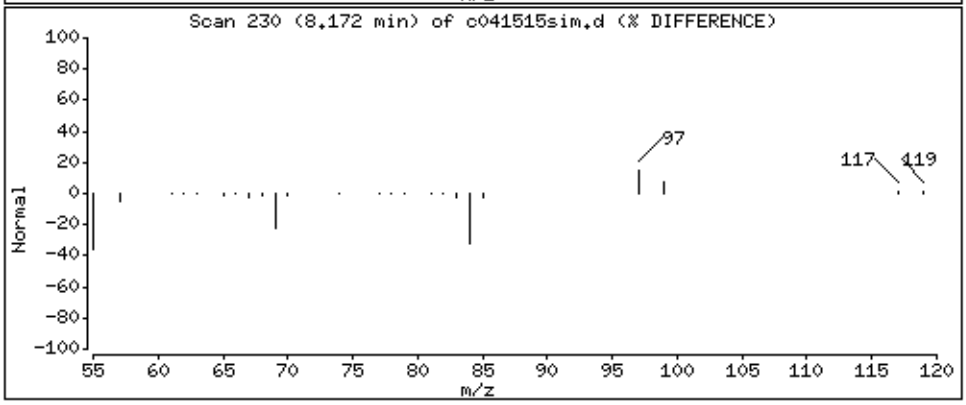












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

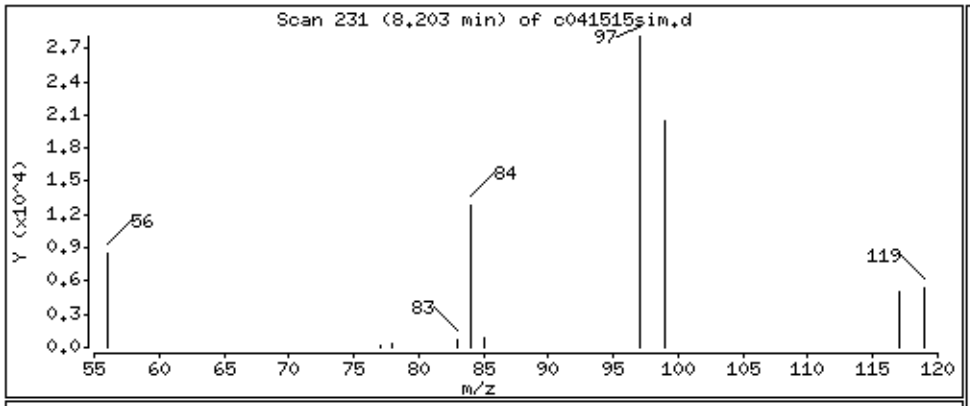
Operator: gm

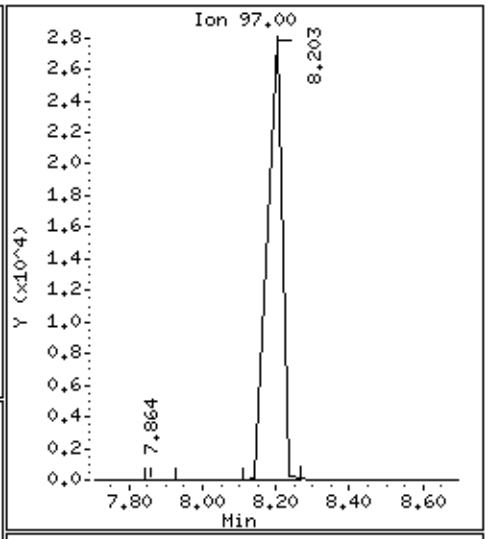
Column phase: DB-5.625

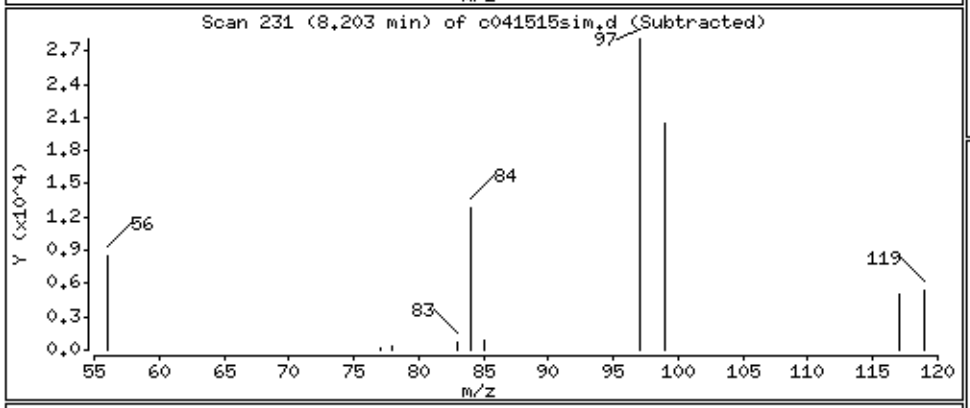
Column diameter: 0.25

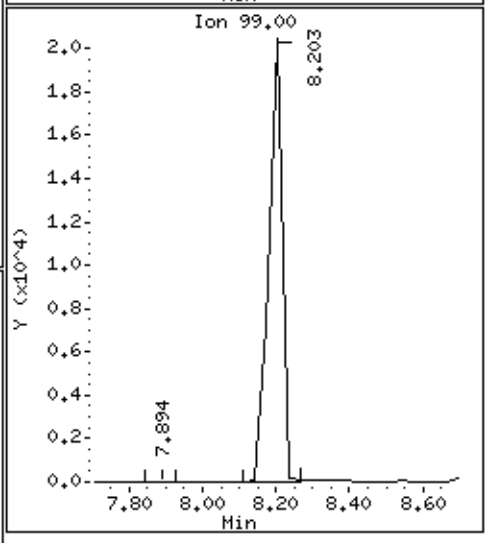
17 1,1,1-Trichloroethane

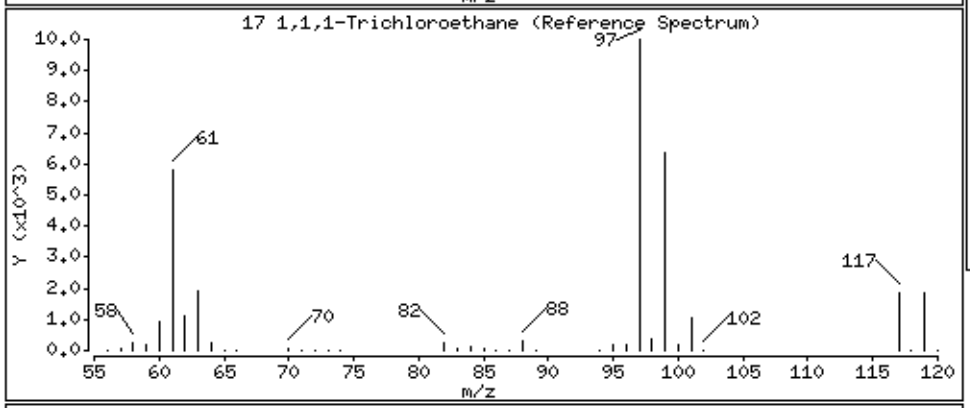
Concentration: 4.55801 ug

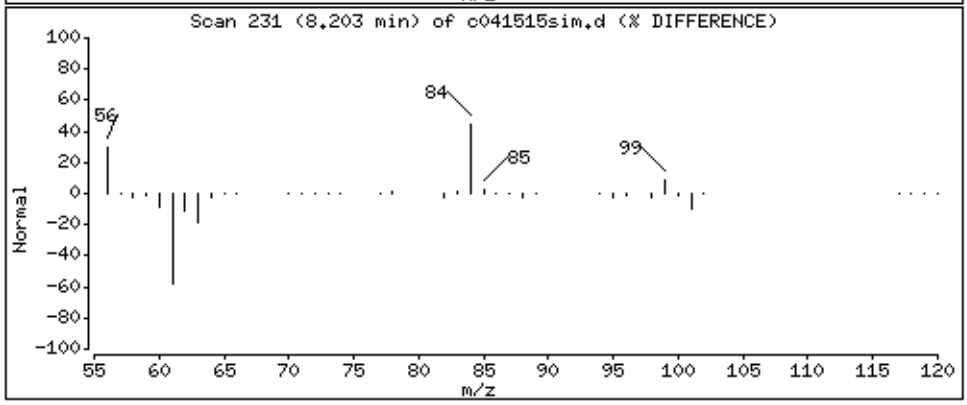












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

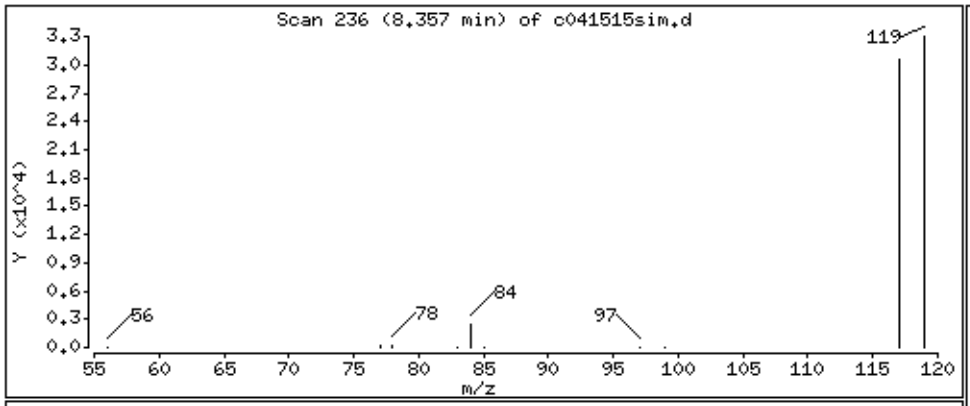
Operator: gm

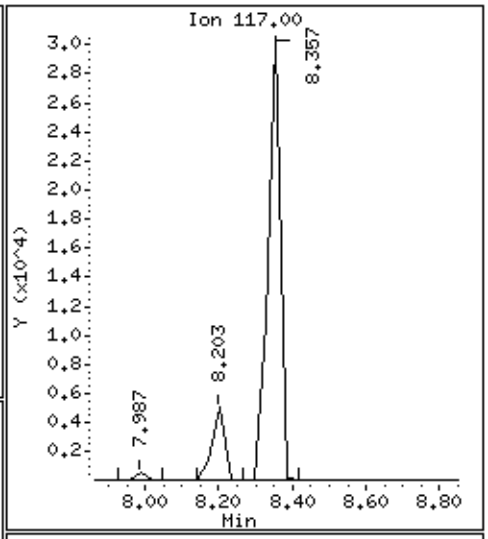
Column phase: DB-5.625

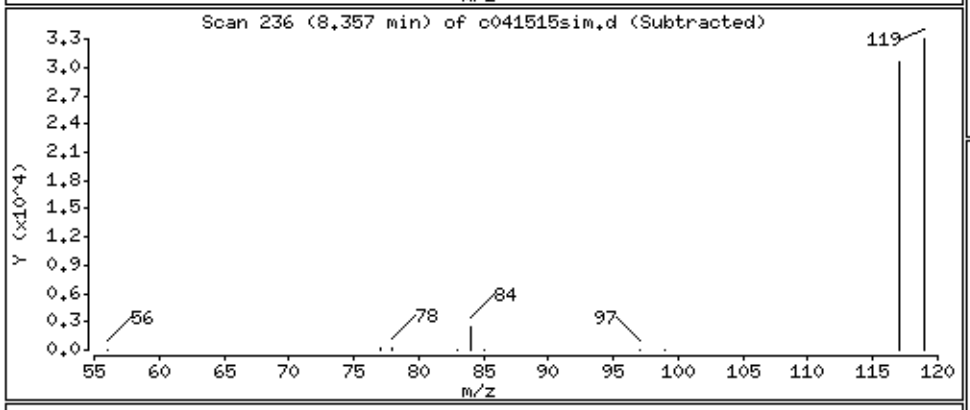
Column diameter: 0.25

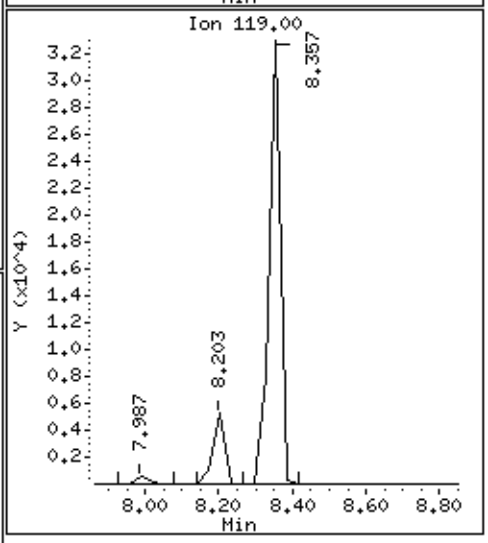
18 Carbon Tetrachloride

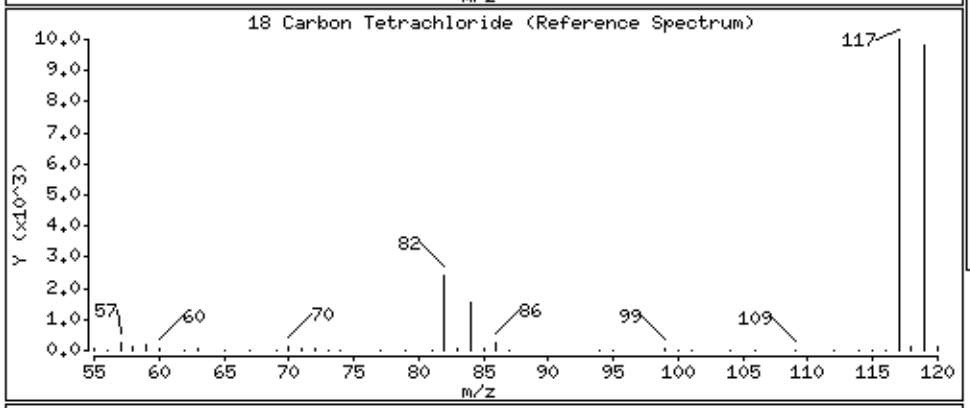
Concentration: 4.48939 ug

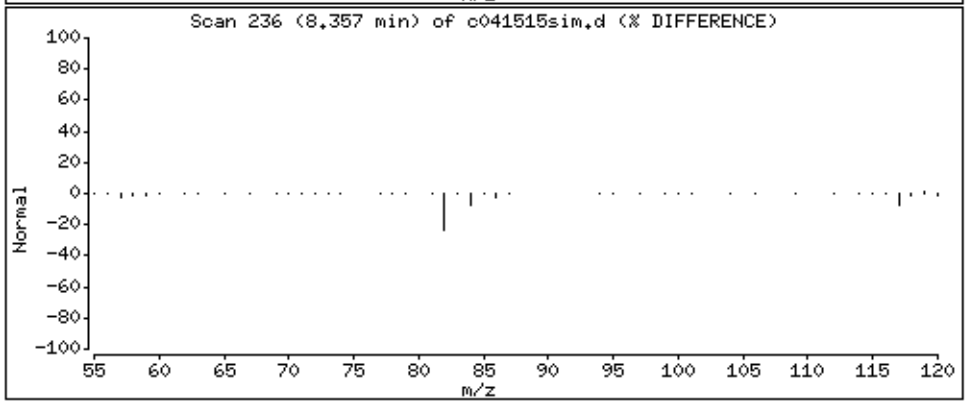












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

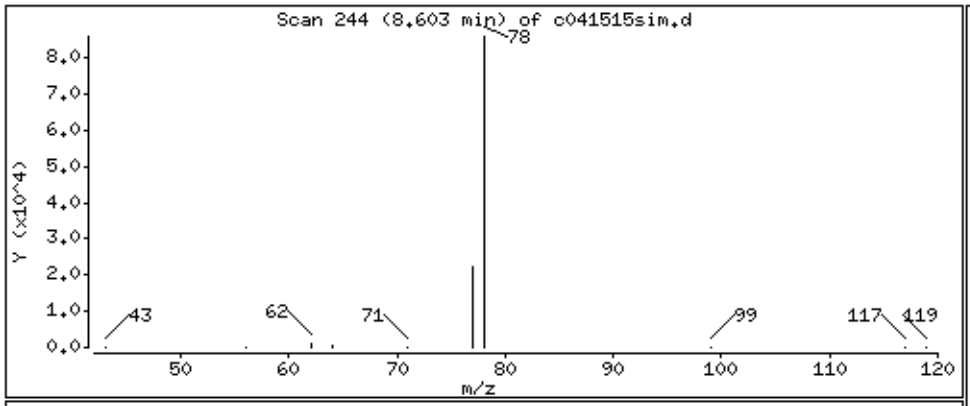
Operator: gm

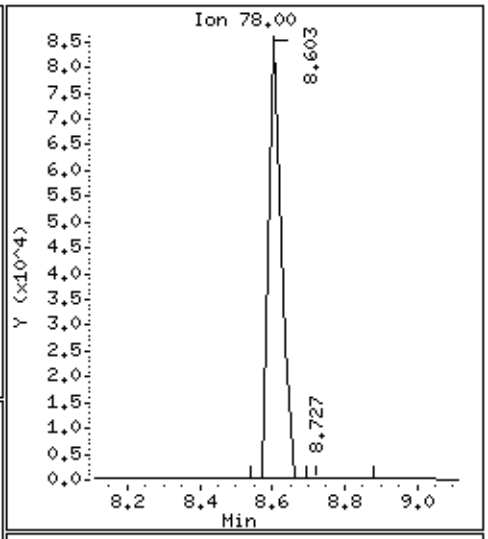
Column phase: DB-5.625

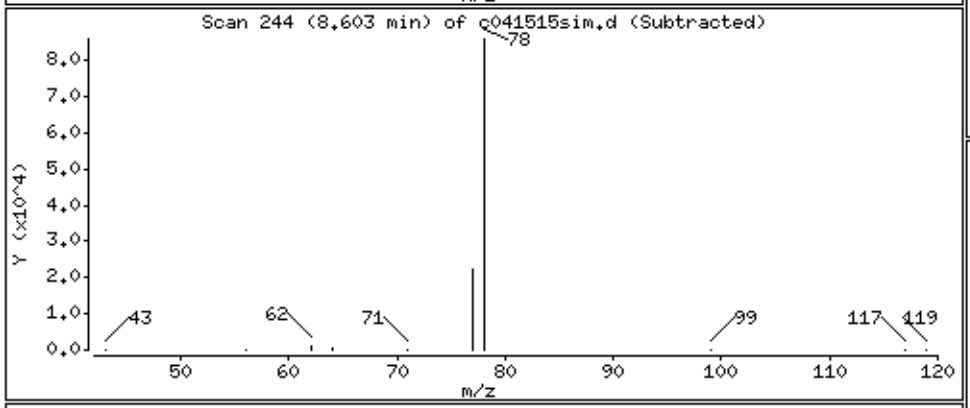
Column diameter: 0.25

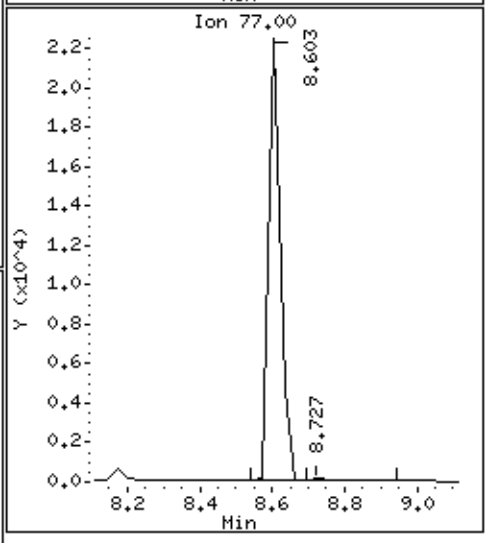
19 Benzene

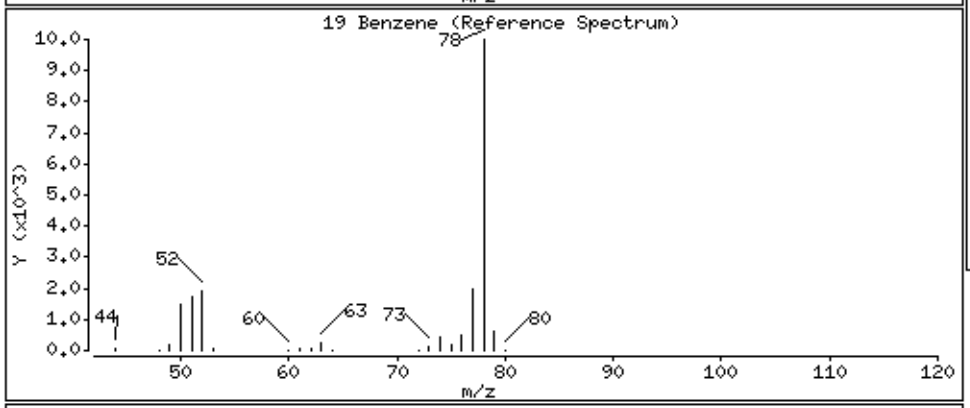
Concentration: 4.98369 ug

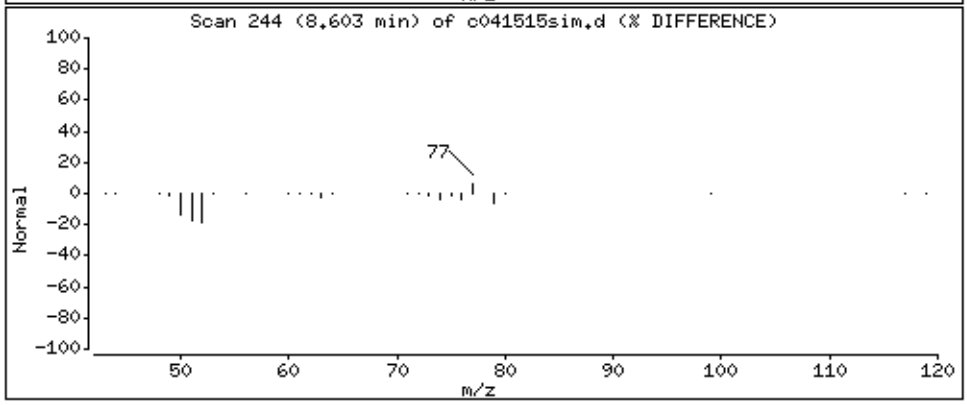












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

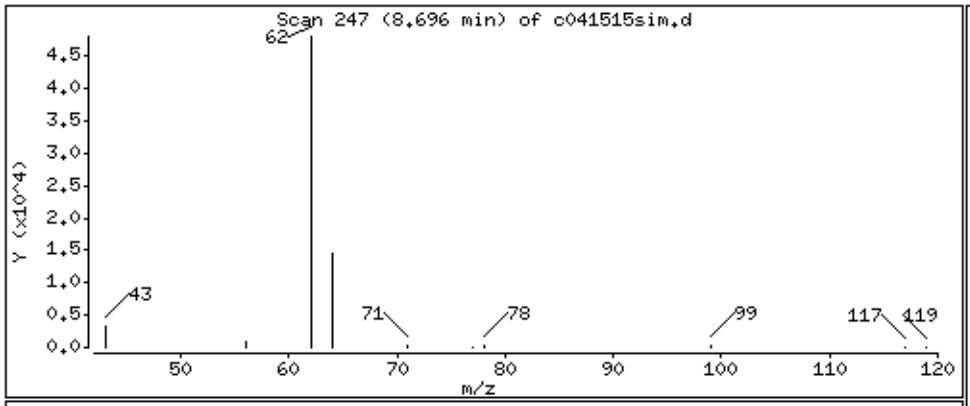
Operator: gm

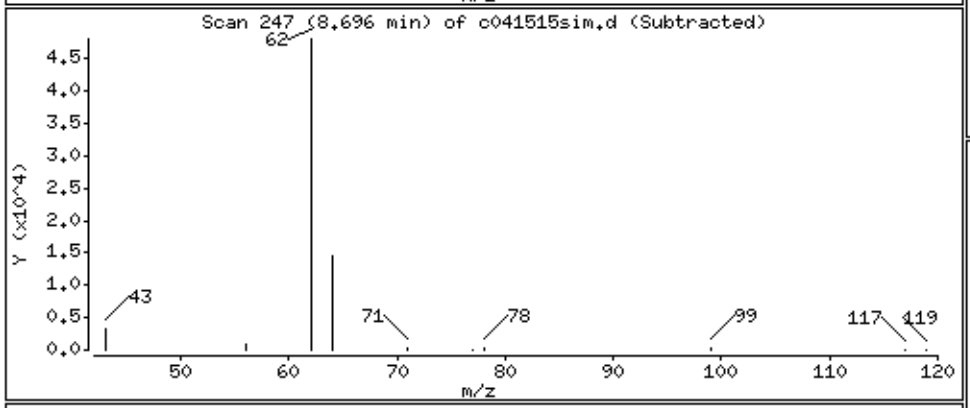
Column phase: DB-5.625

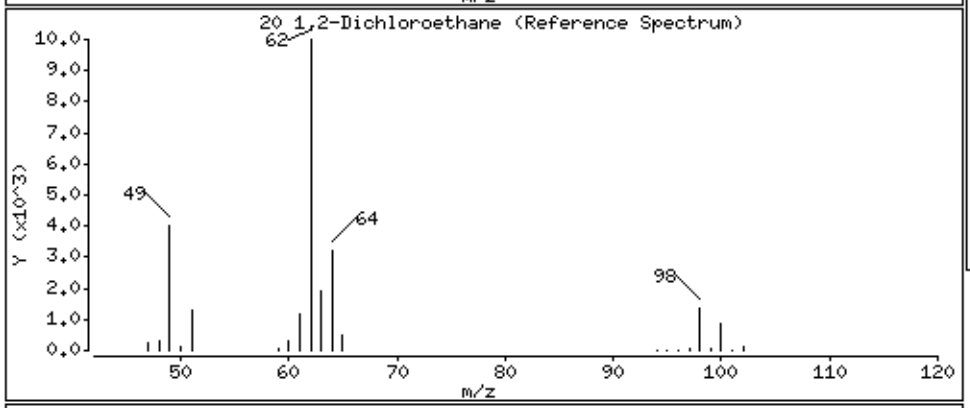
Column diameter: 0.25

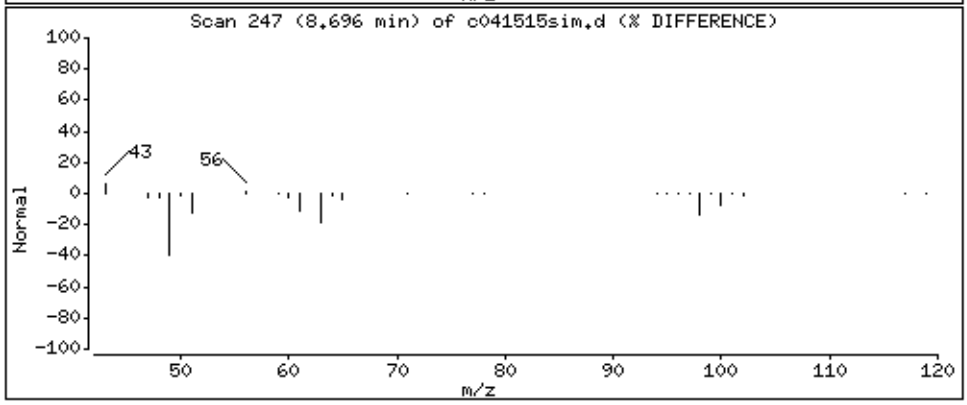
20 1,2-Dichloroethane

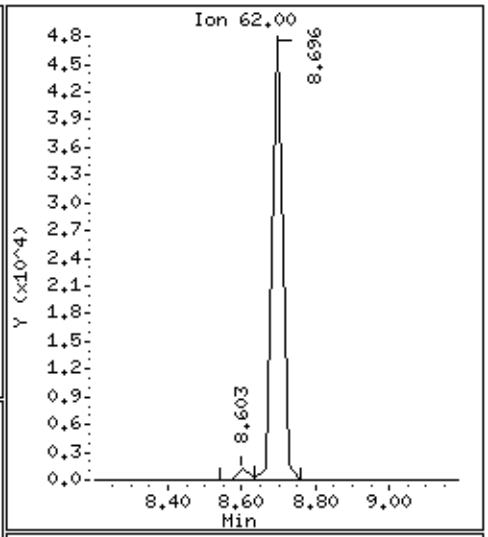
Concentration: 4.89448 ug

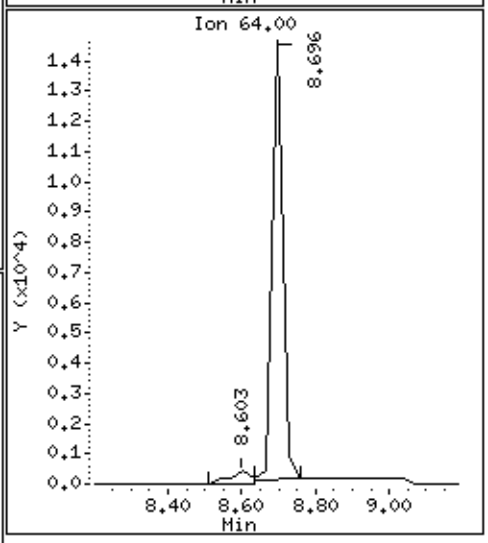












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

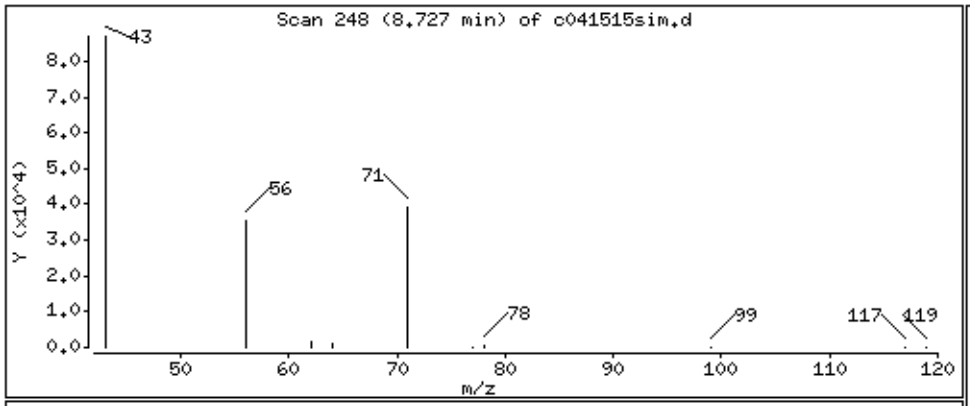
Operator: gm

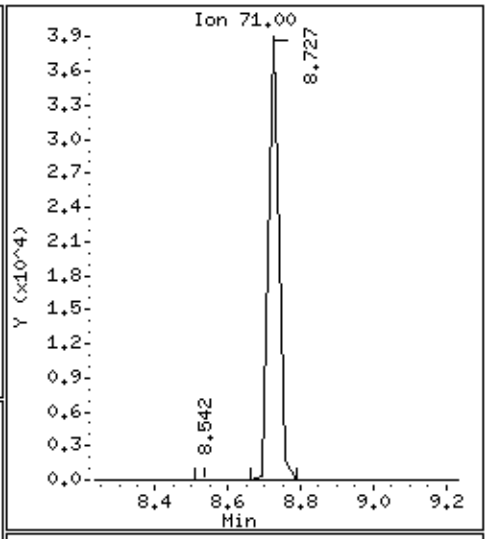
Column phase: DB-5.625

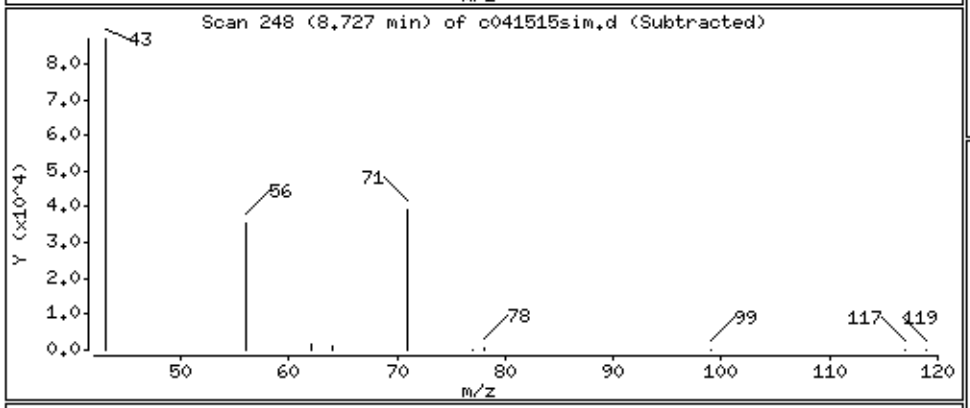
Column diameter: 0.25

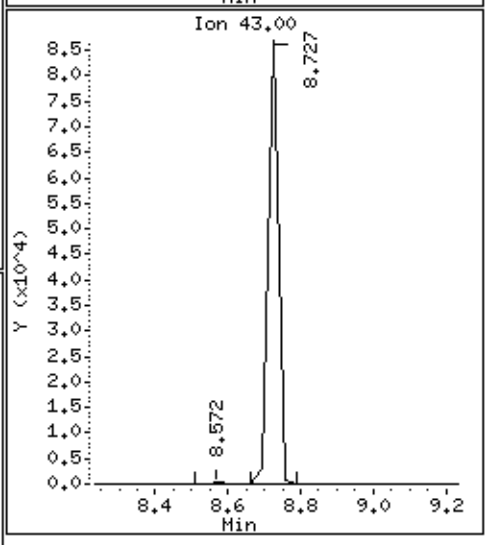
21 Heptane

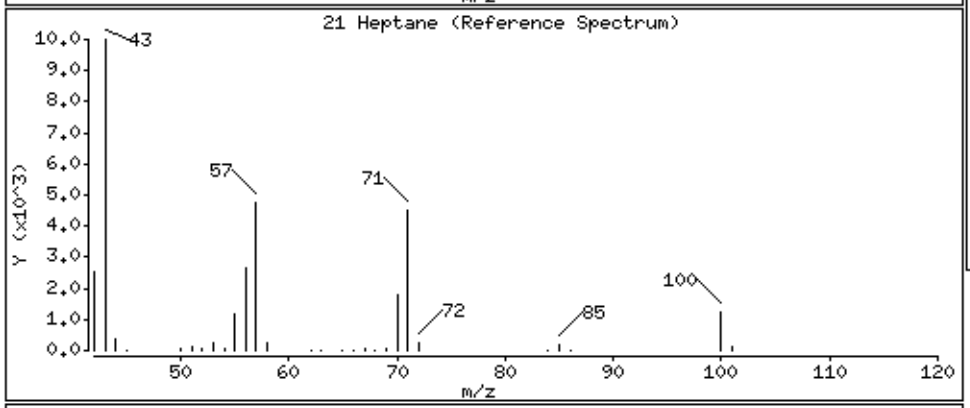
Concentration: 4.85500 ug

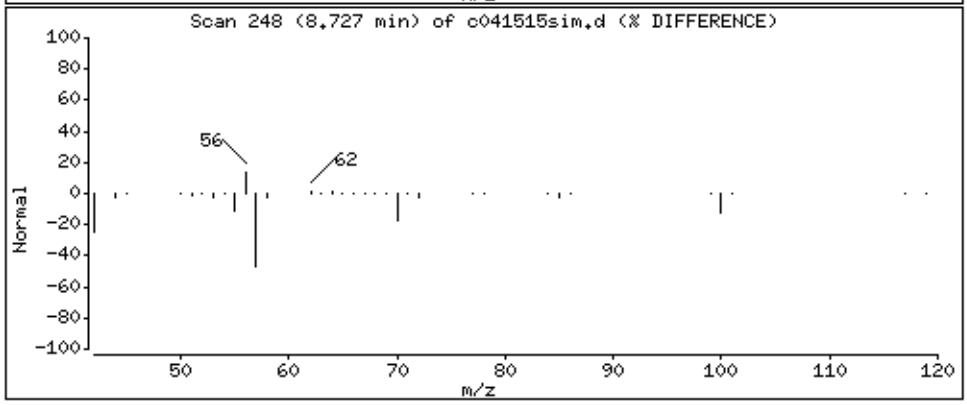












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

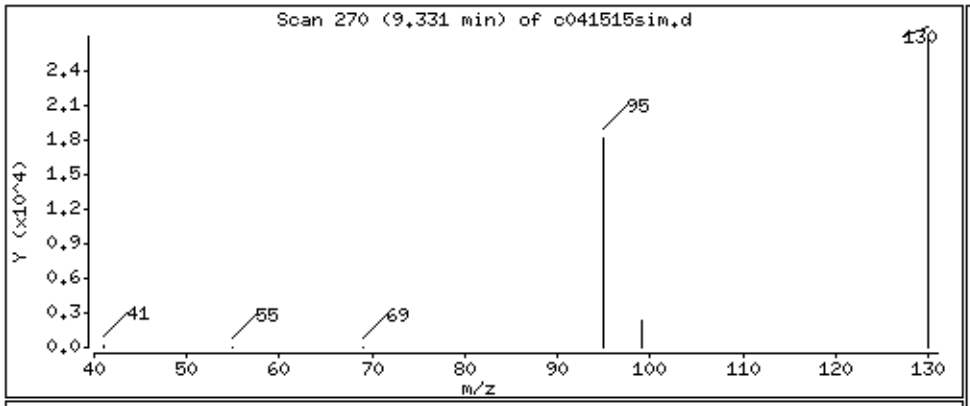
Operator: gm

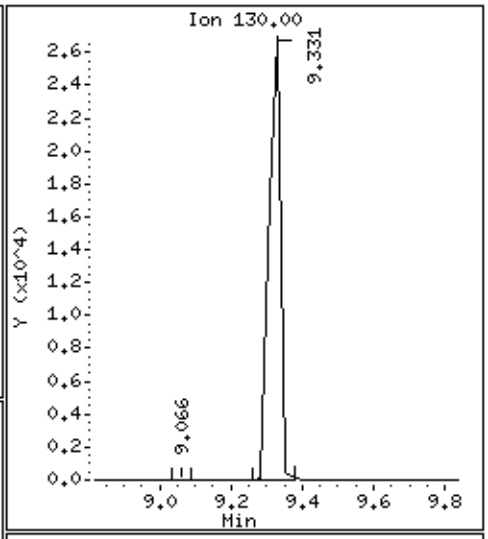
Column phase: DB-5.625

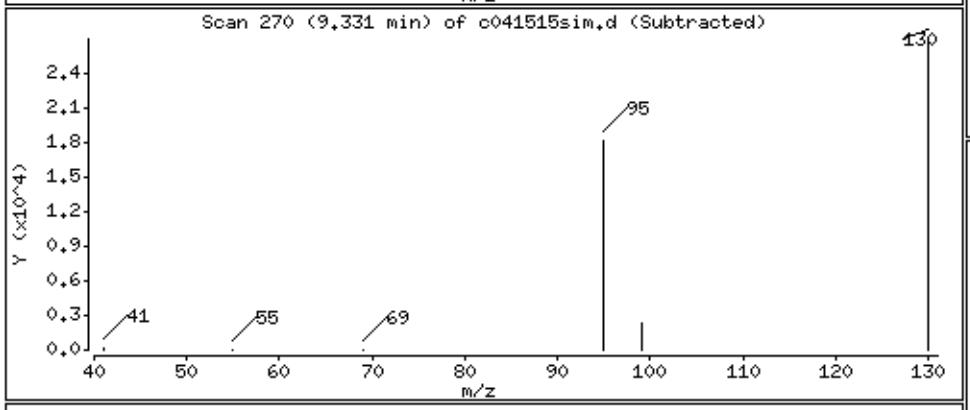
Column diameter: 0.25

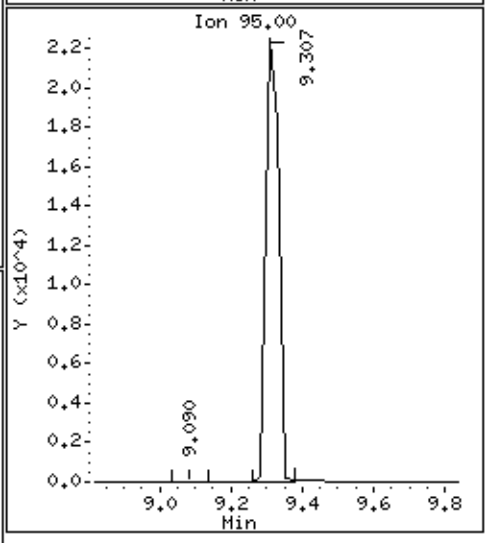
22 Trichloroethene

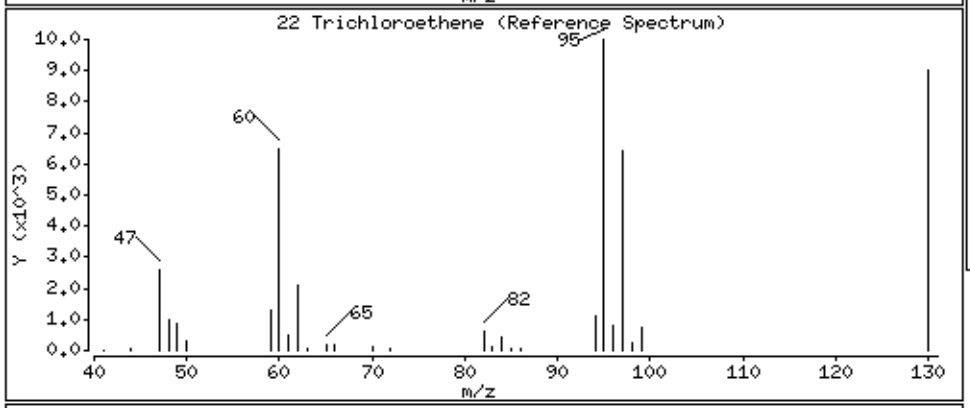
Concentration: 4.67217 ug

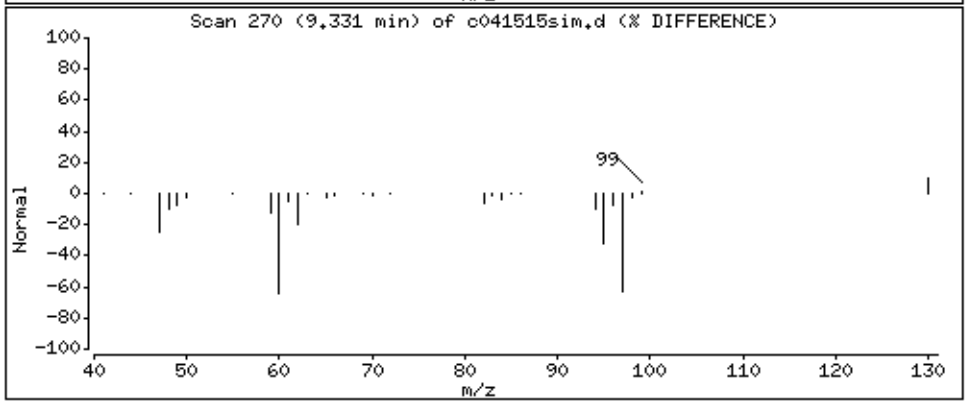












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

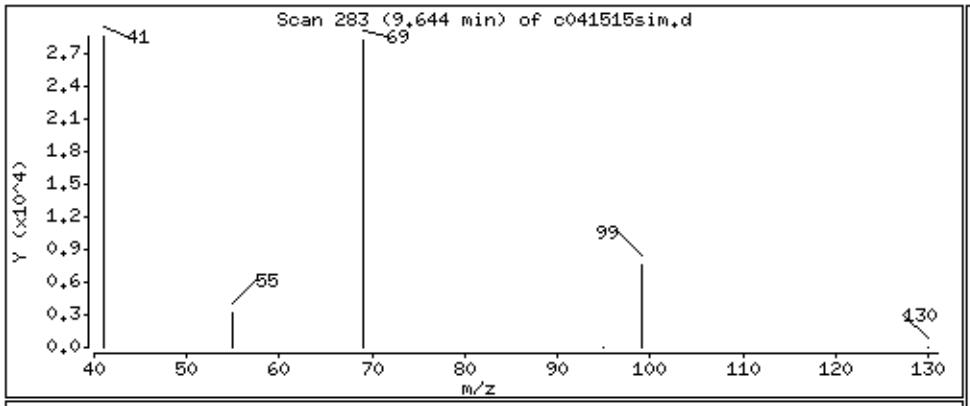
Operator: gm

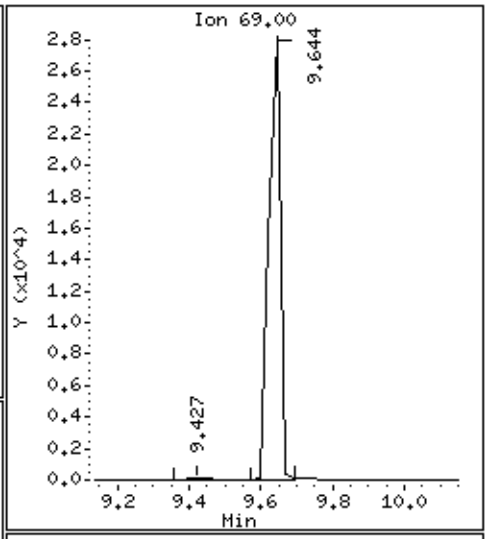
Column phase: DB-5.625

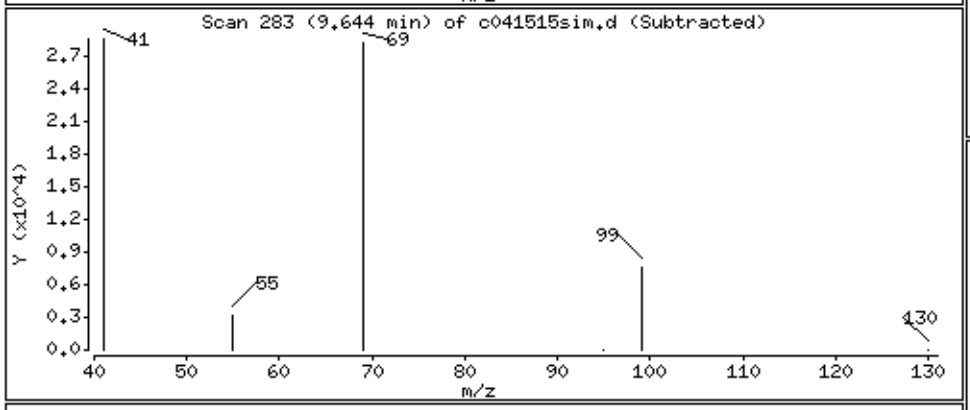
Column diameter: 0.25

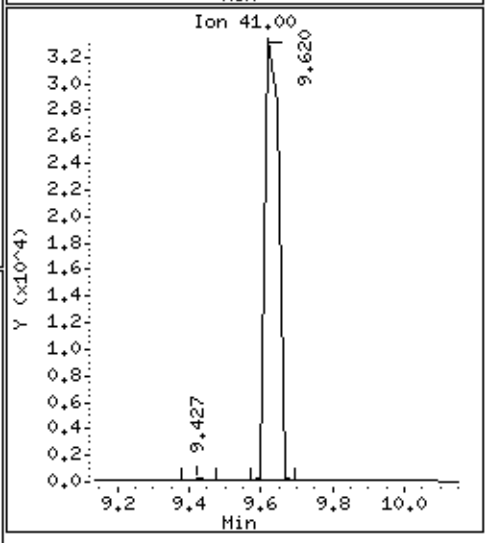
23 Methyl Methacrylate

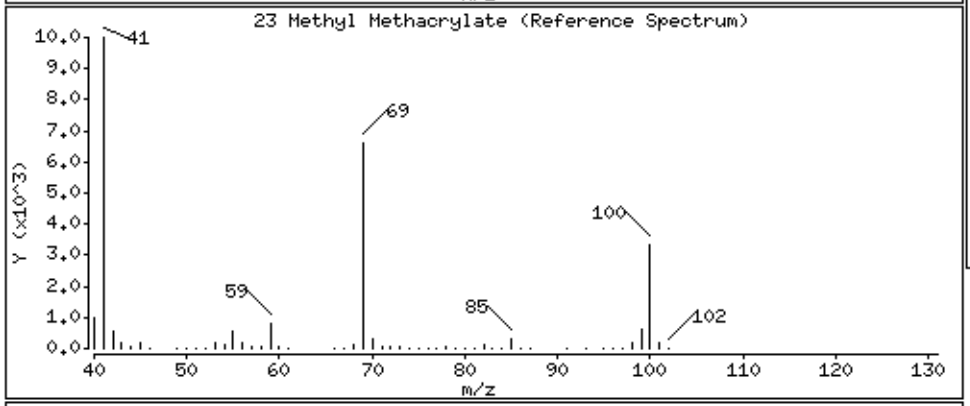
Concentration: 4.63780 ug

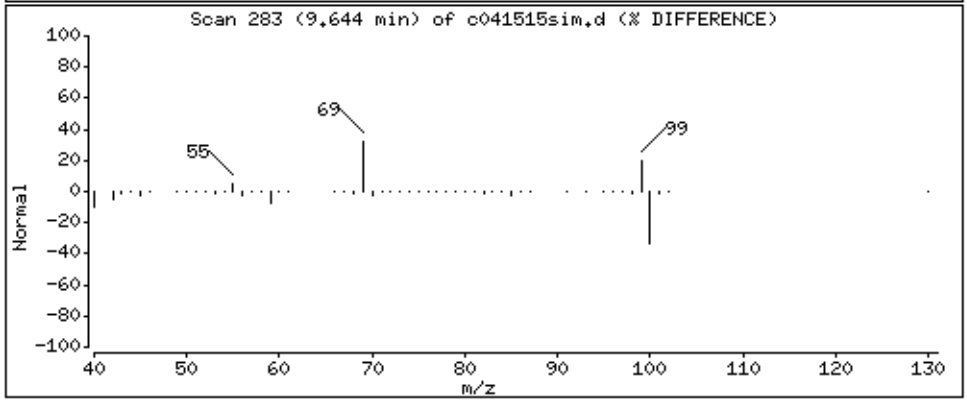












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

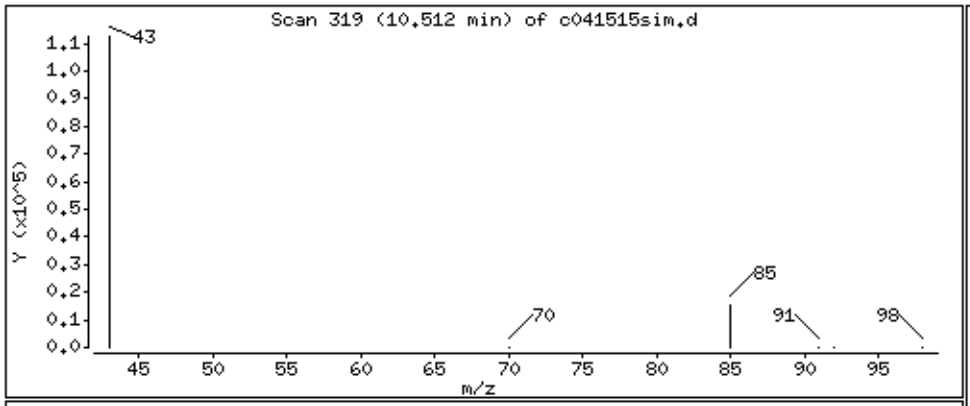
Operator: gm

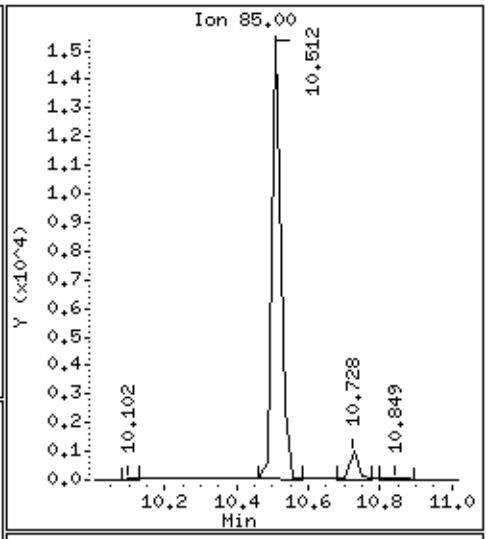
Column phase: DB-5.625

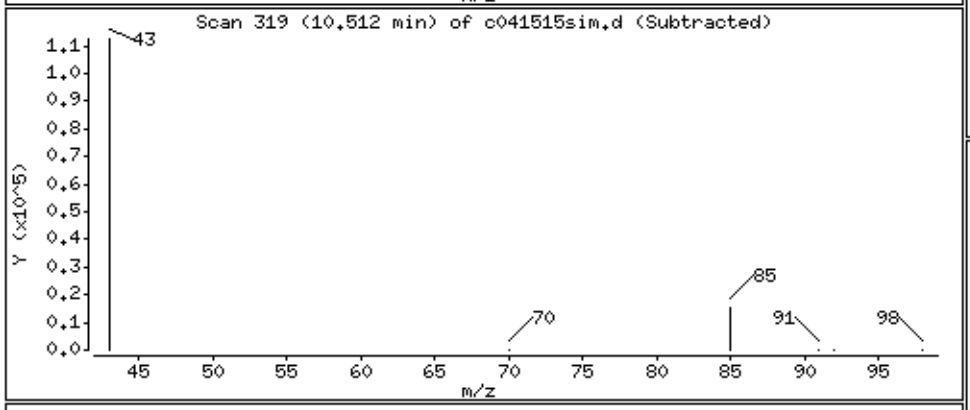
Column diameter: 0.25

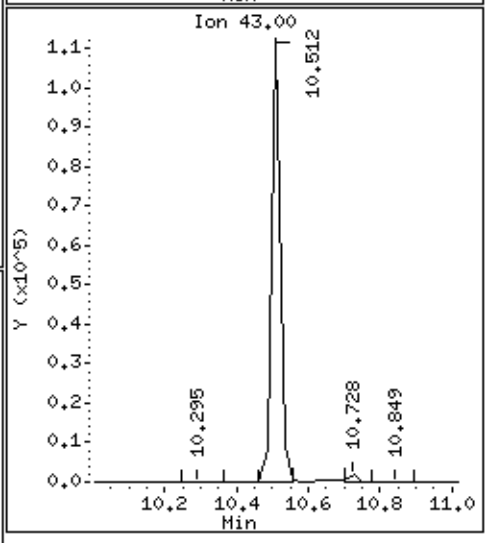
24 4-Methyl-2-pentanone

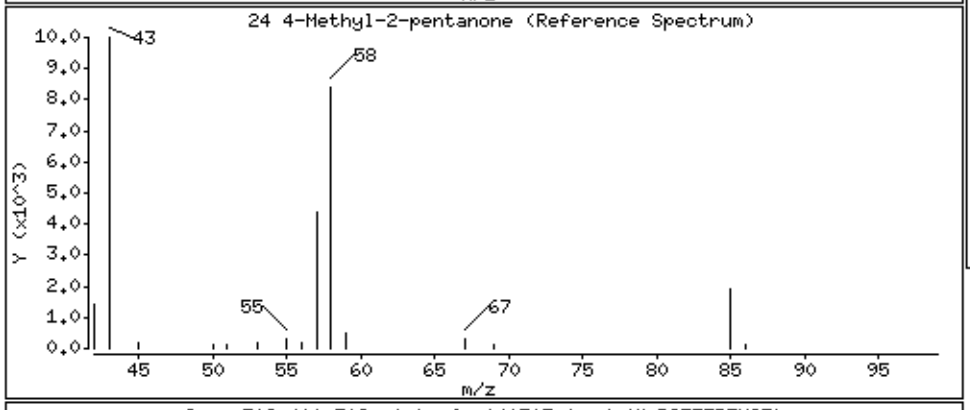
Concentration: 5.00174 ug

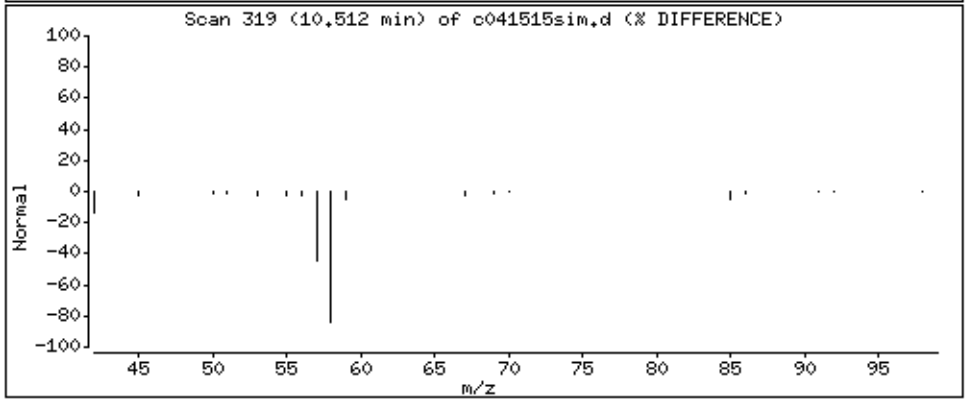












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

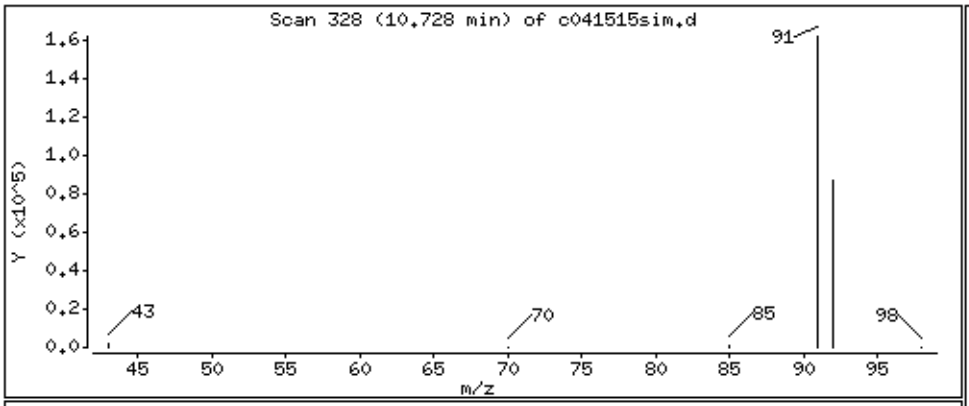
Operator: gm

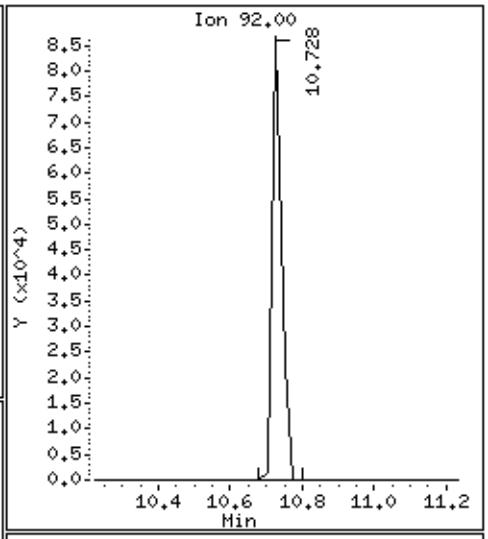
Column phase: DB-5.625

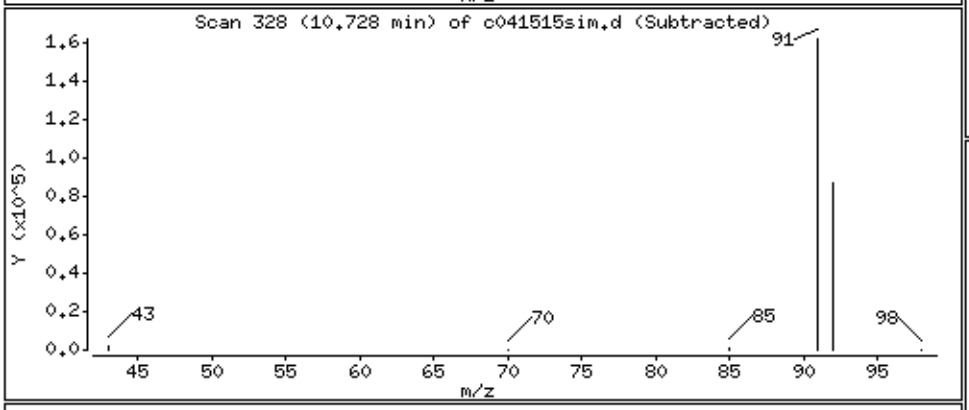
Column diameter: 0.25

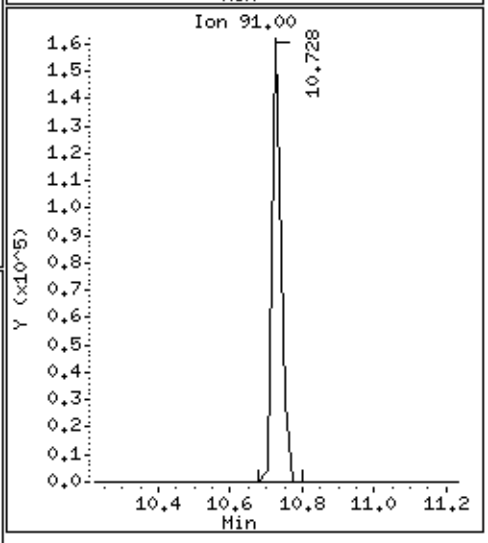
26 Toluene-CCC

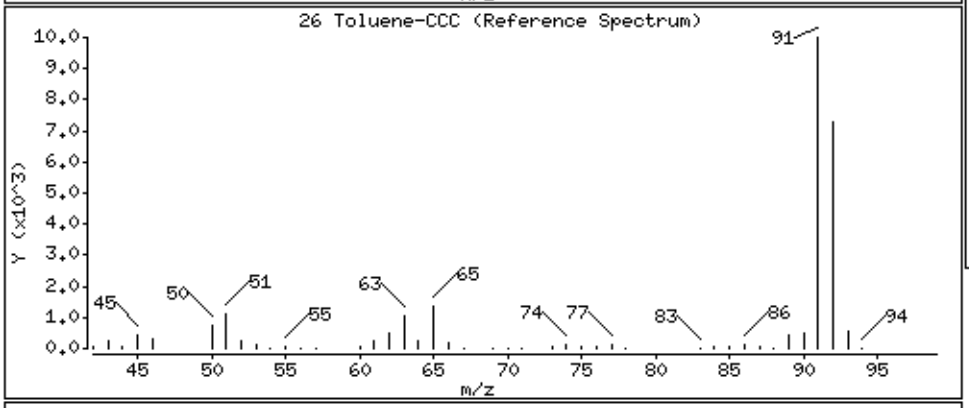
Concentration: 4.68905 ug

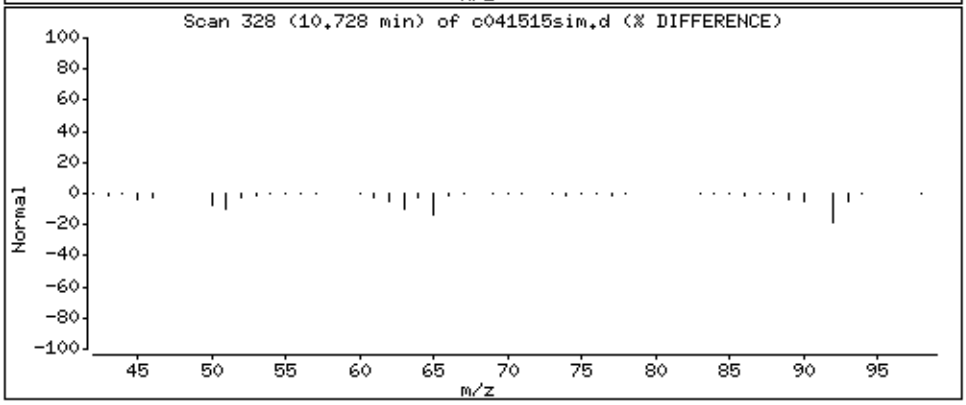












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

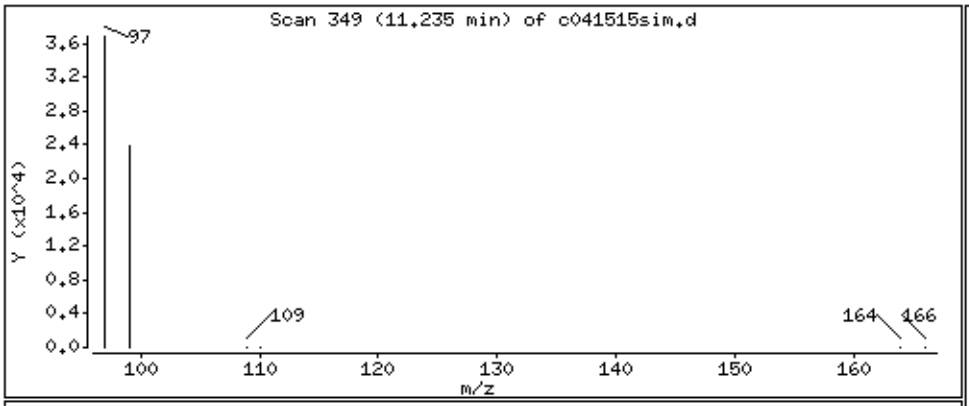
Operator: gm

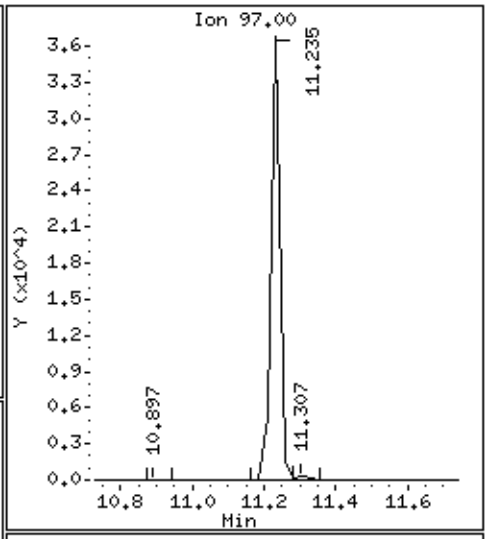
Column phase: DB-5.625

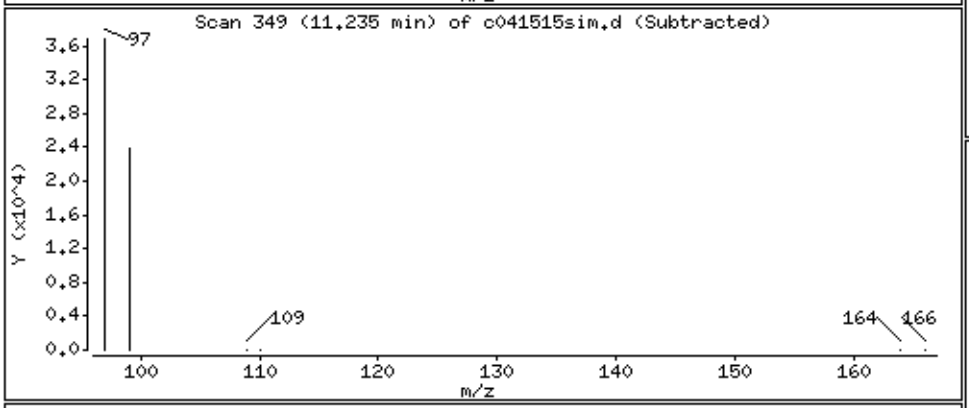
Column diameter: 0.25

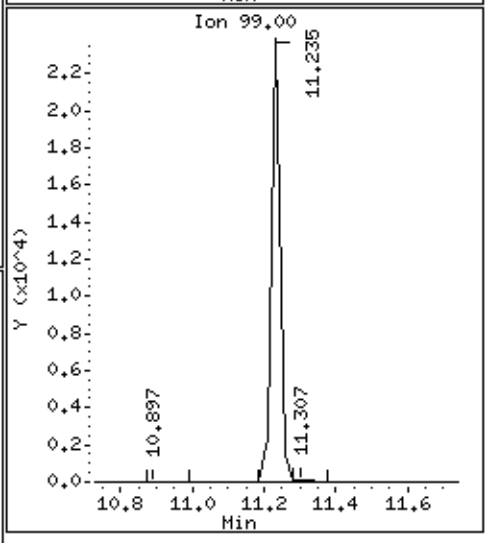
28 1,1,2-Trichloroethane

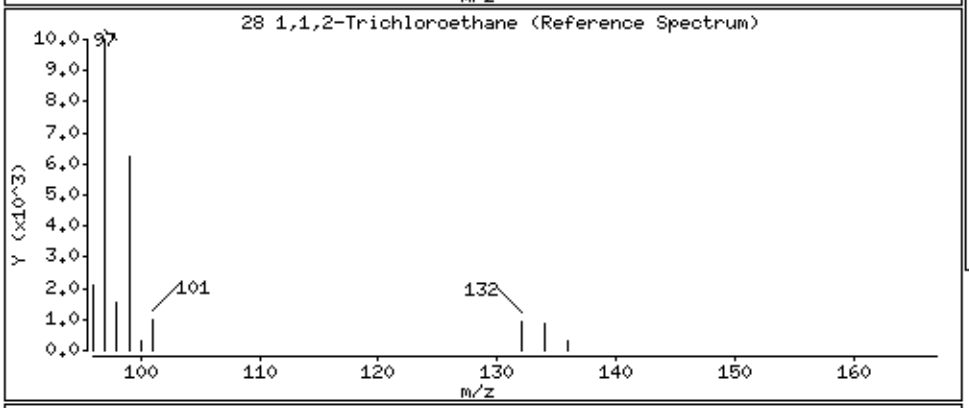
Concentration: 4.58390 ug

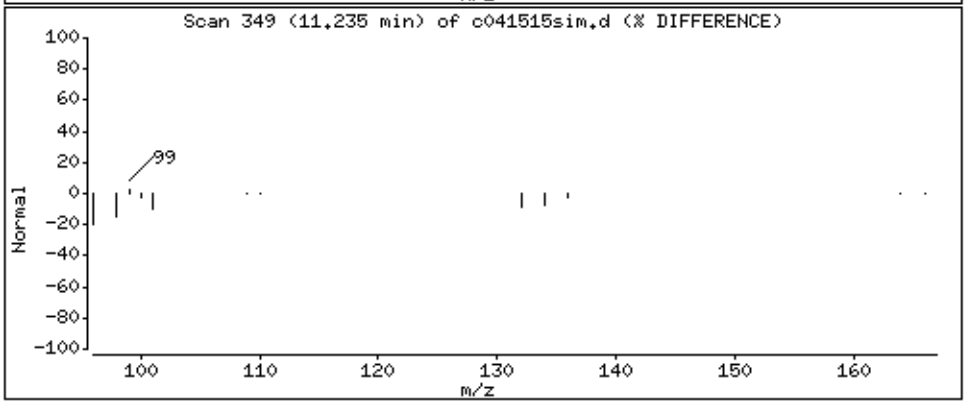












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

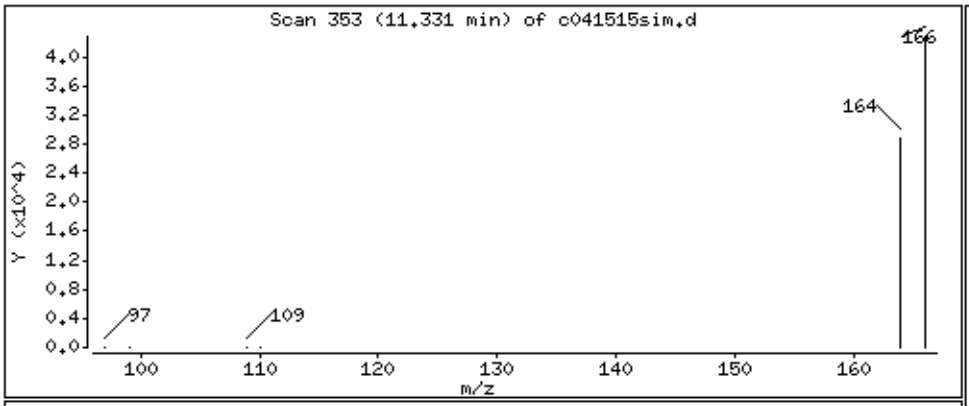
Operator: gm

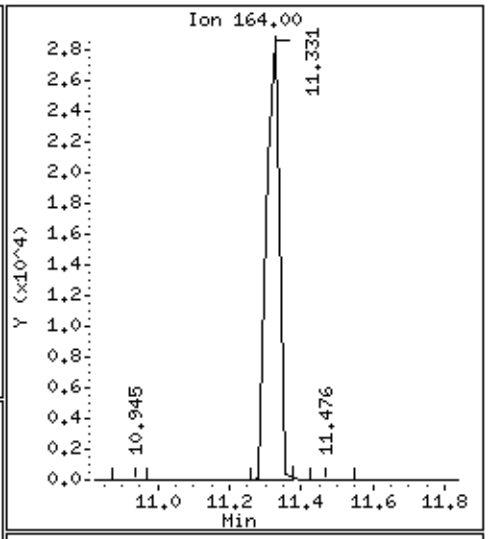
Column phase: DB-5.625

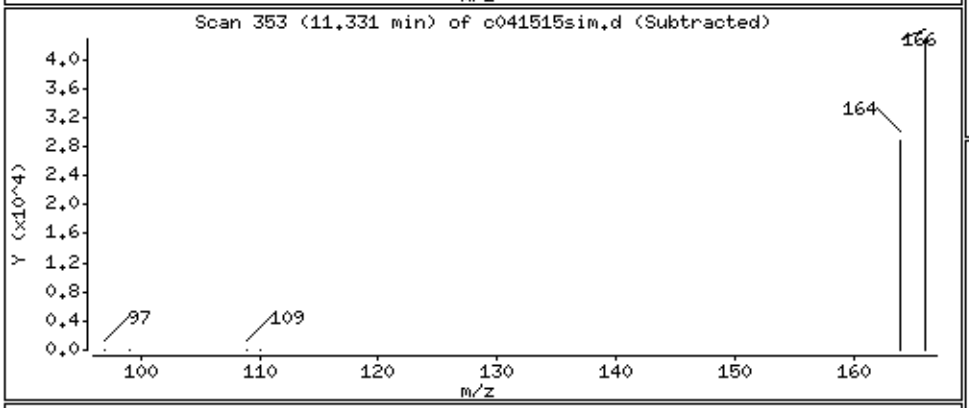
Column diameter: 0.25

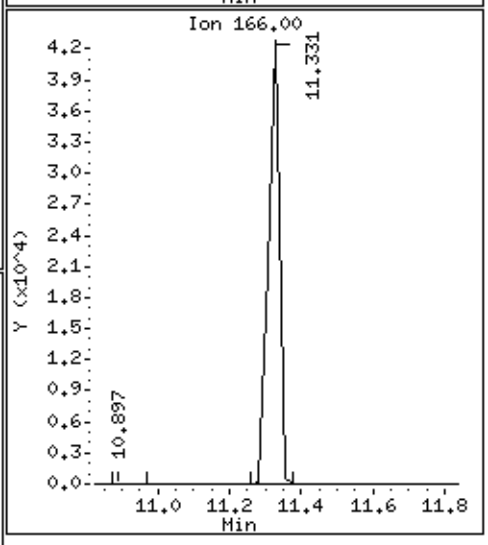
29 Tetrachloroethene

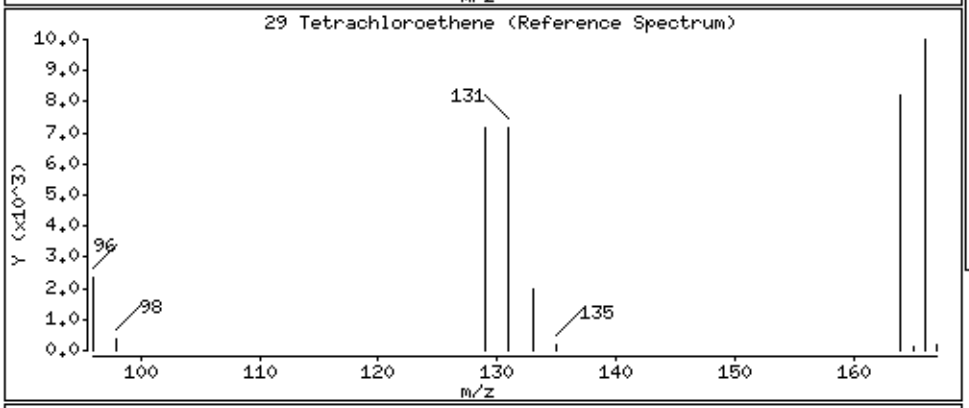
Concentration: 4.59571 ug

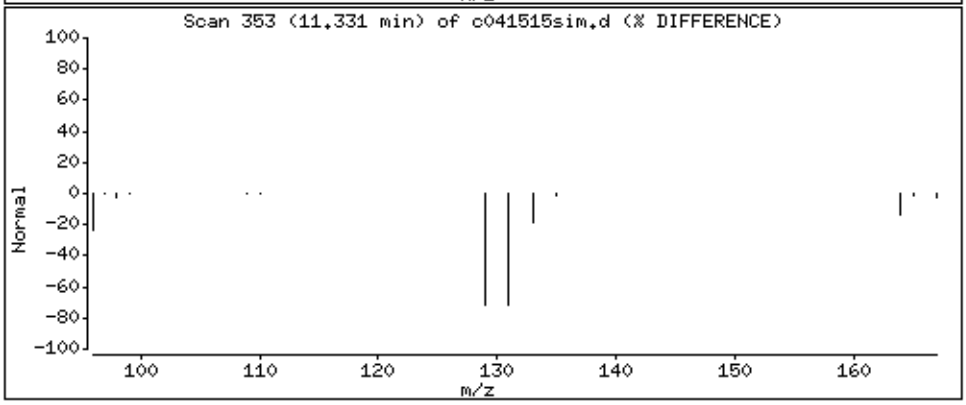












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

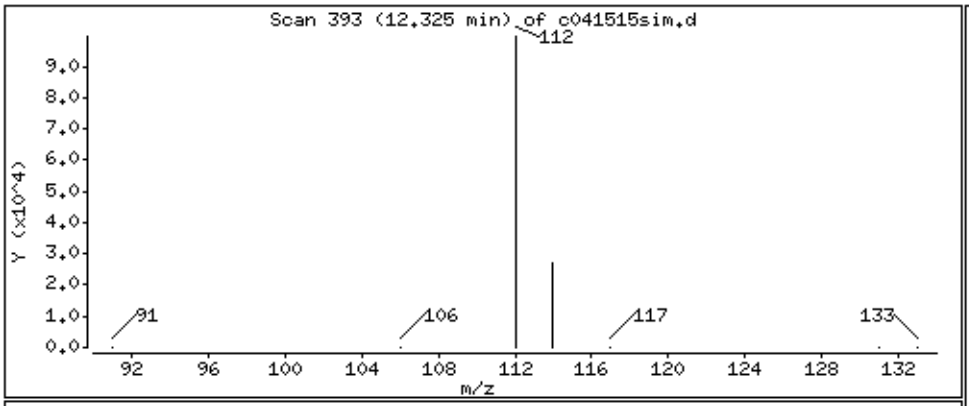
Operator: gm

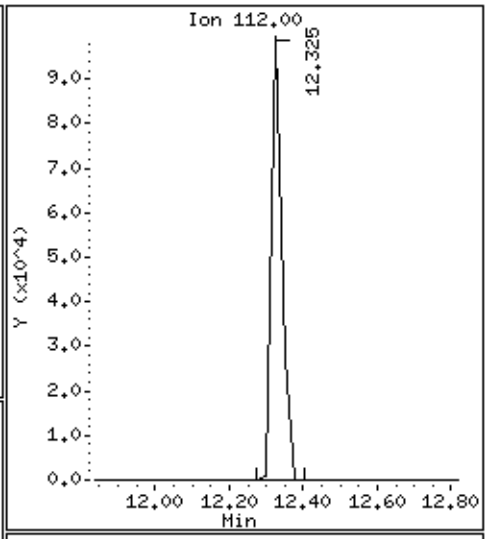
Column phase: DB-5.625

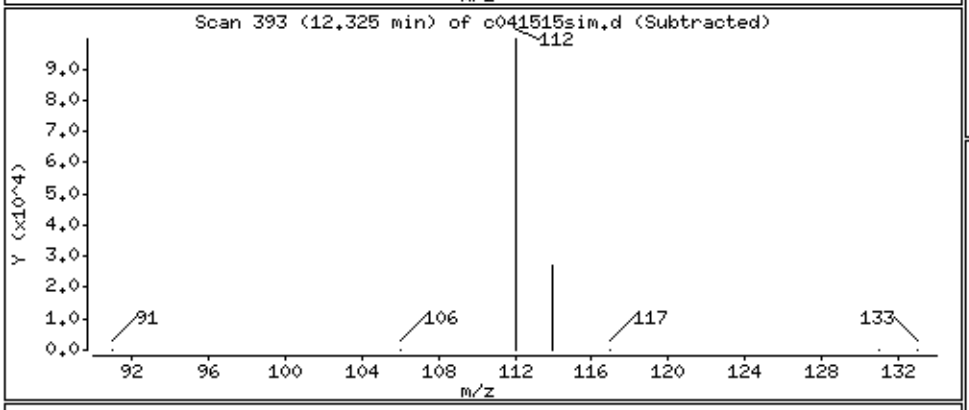
Column diameter: 0.25

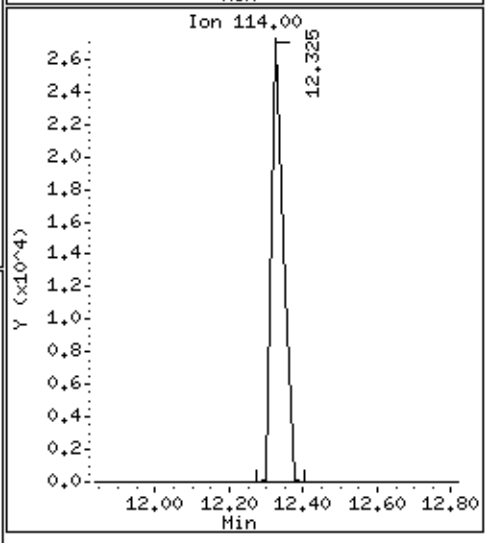
30 Chlorobenzene

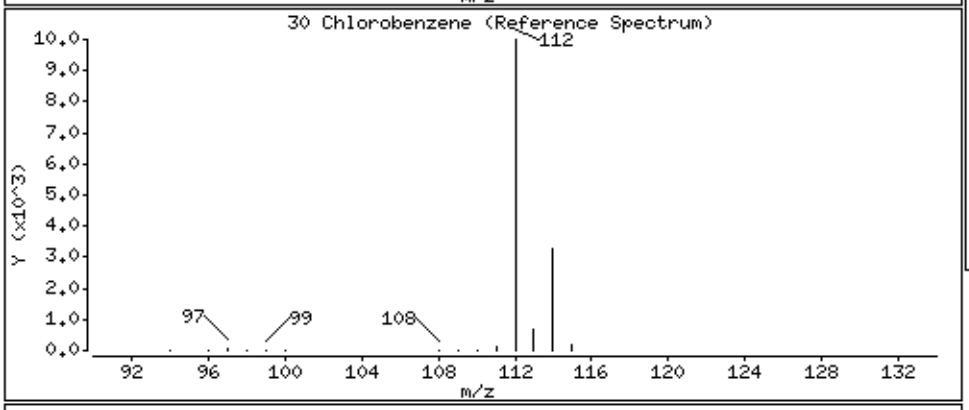
Concentration: 4.88247 ug

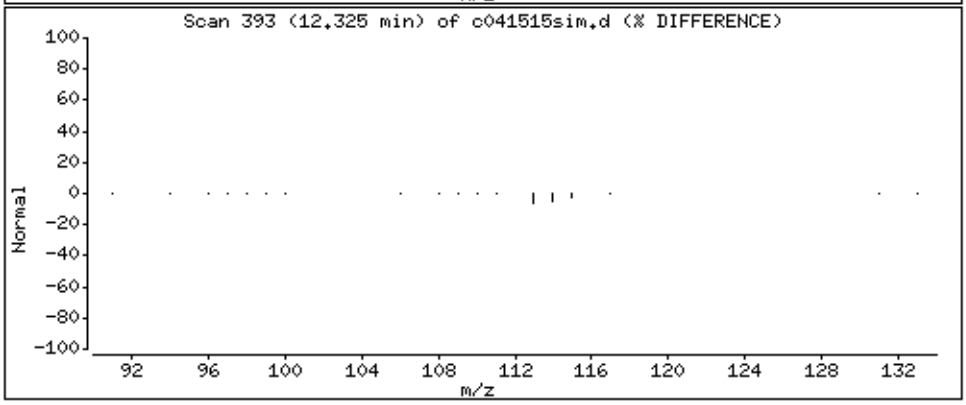












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

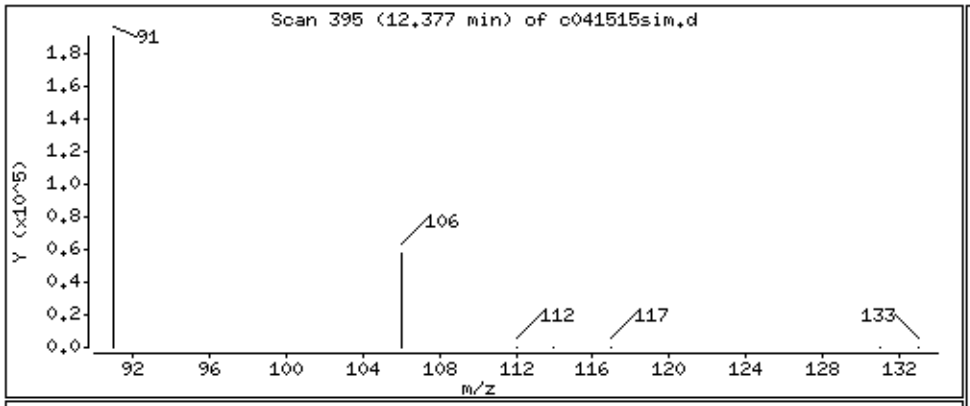
Operator: gm

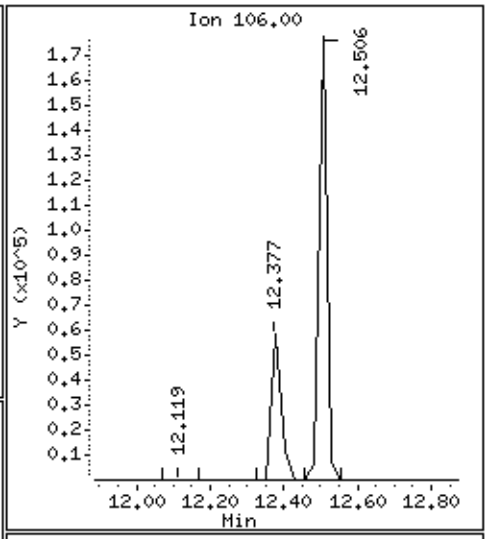
Column phase: DB-5.625

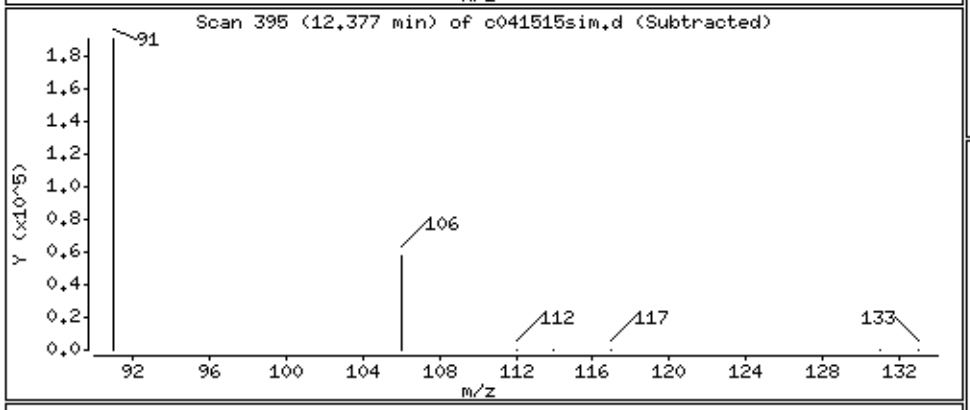
Column diameter: 0.25

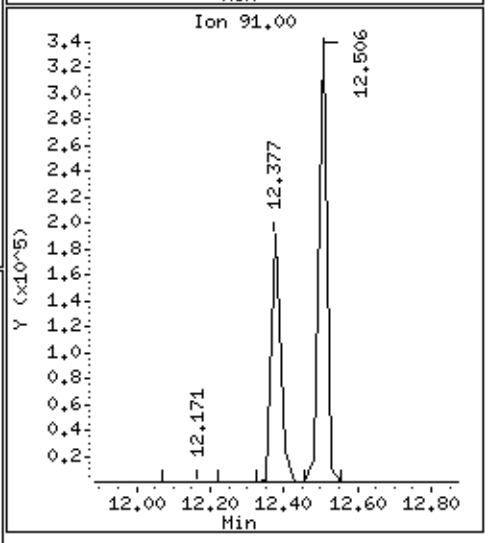
31 Ethylbenzene-CCC

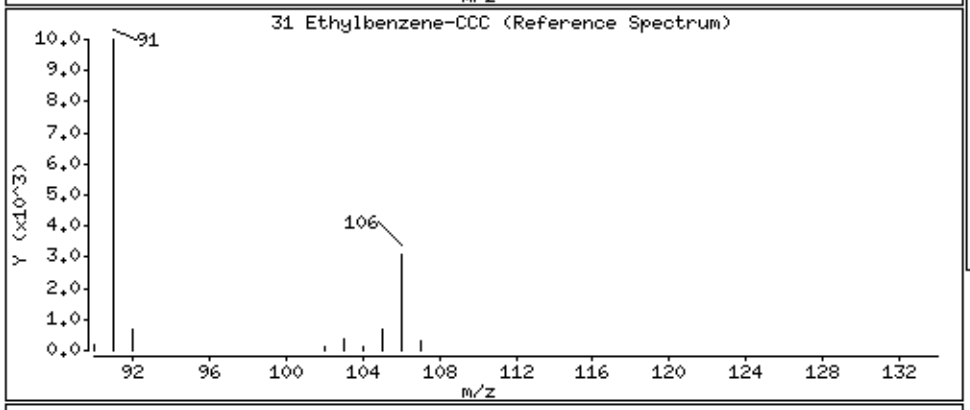
Concentration: 4.92082 ug

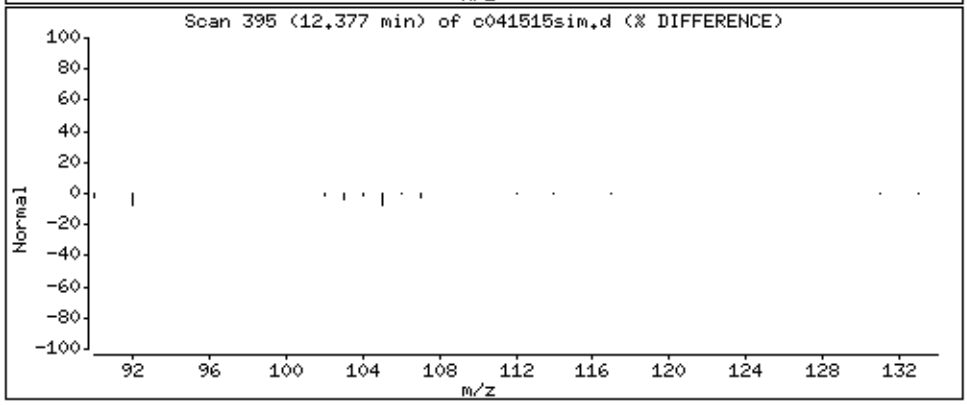












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

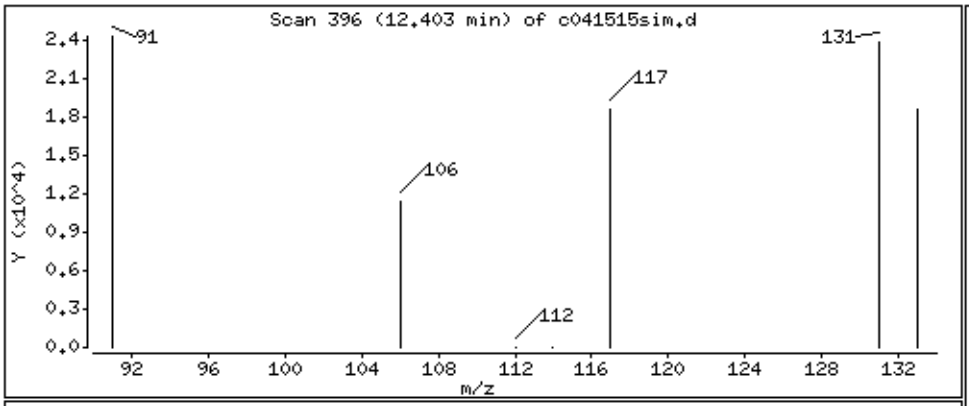
Operator: gm

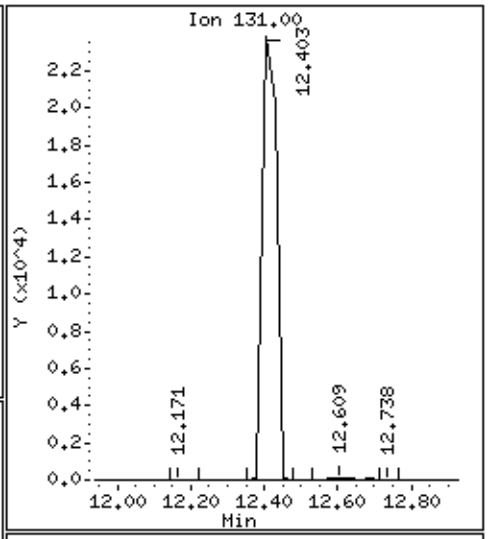
Column phase: DB-5.625

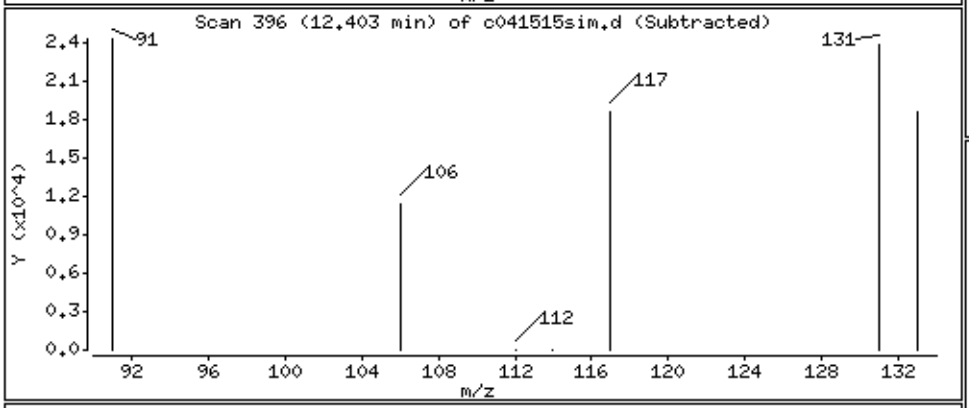
Column diameter: 0.25

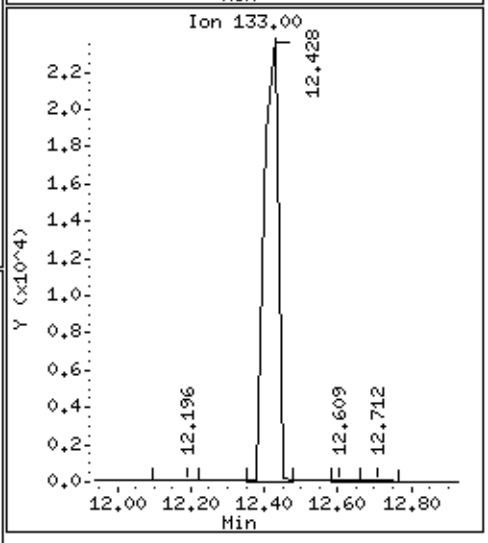
32 1,1,1,2-Tetrachloroethane

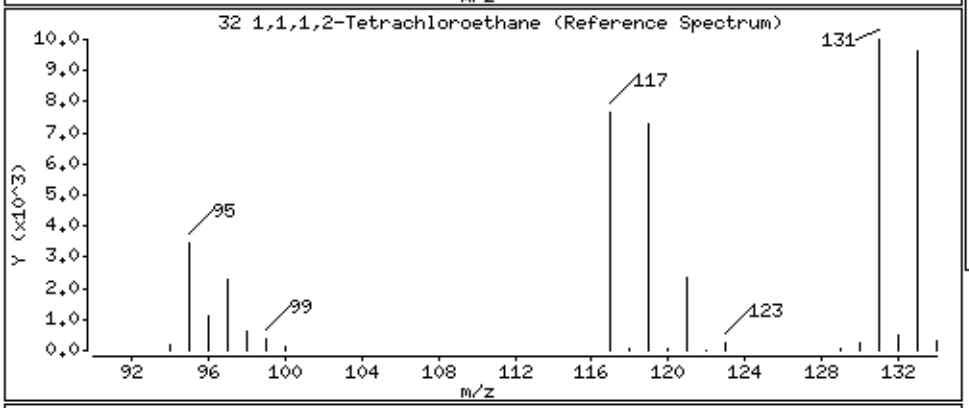
Concentration: 4.78508 ug

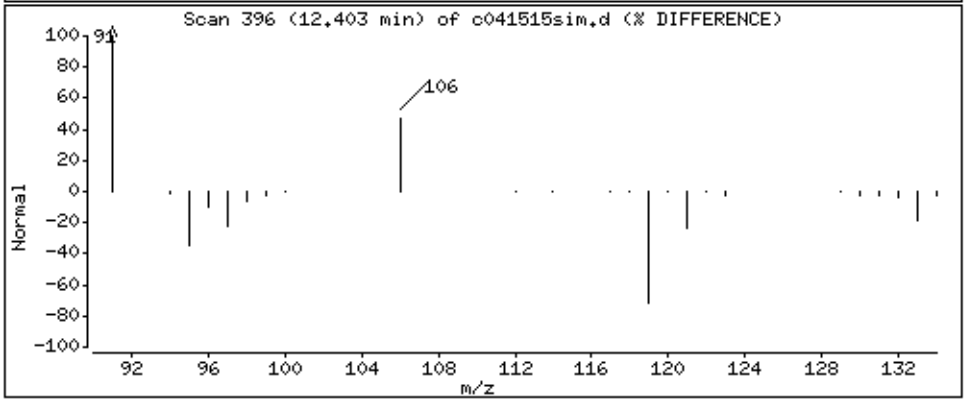












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

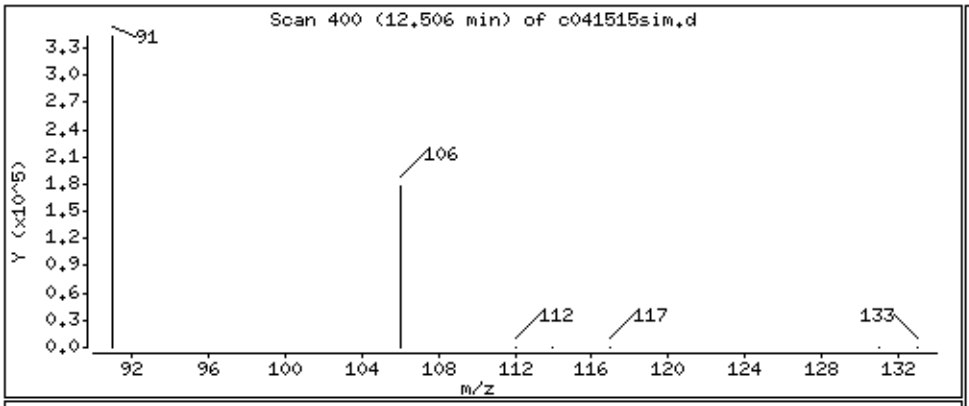
Operator: gm

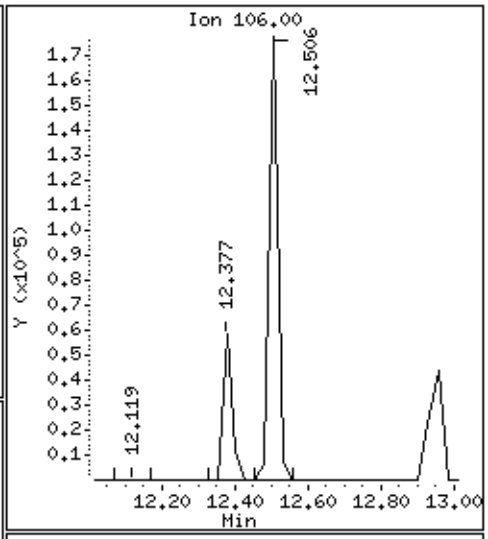
Column phase: DB-5.625

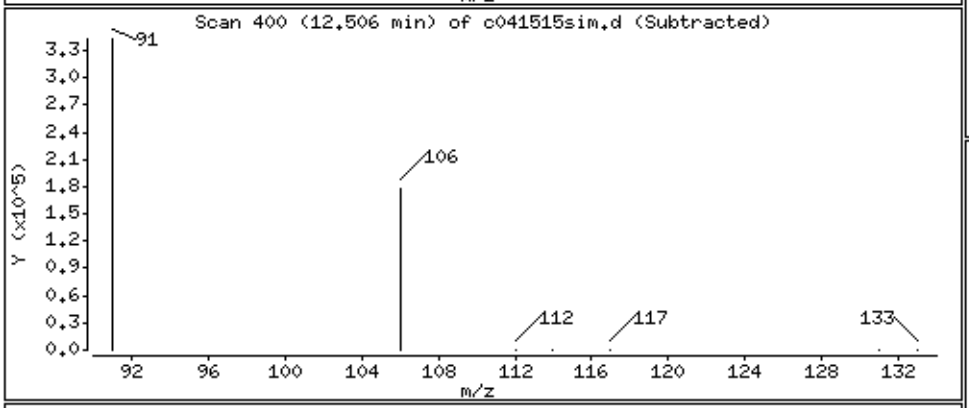
Column diameter: 0.25

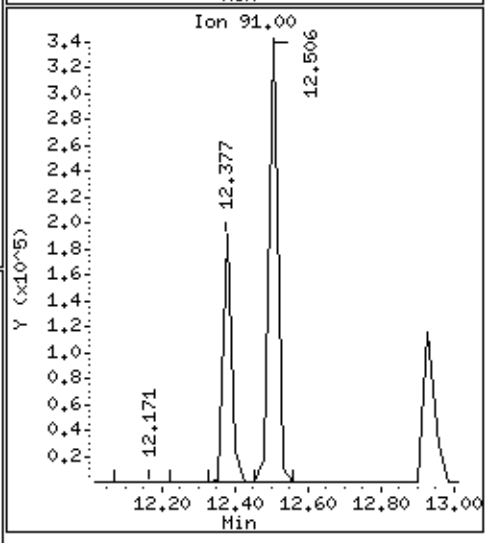
33 m,p-Xylene

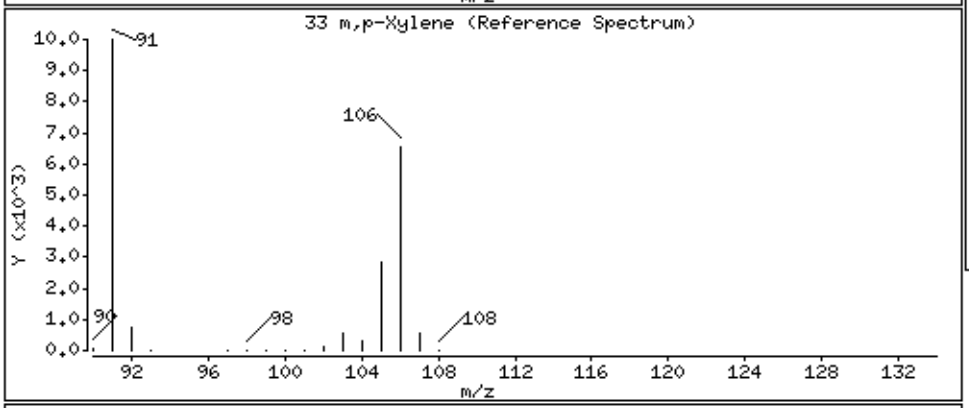
Concentration: 9.65940 ug

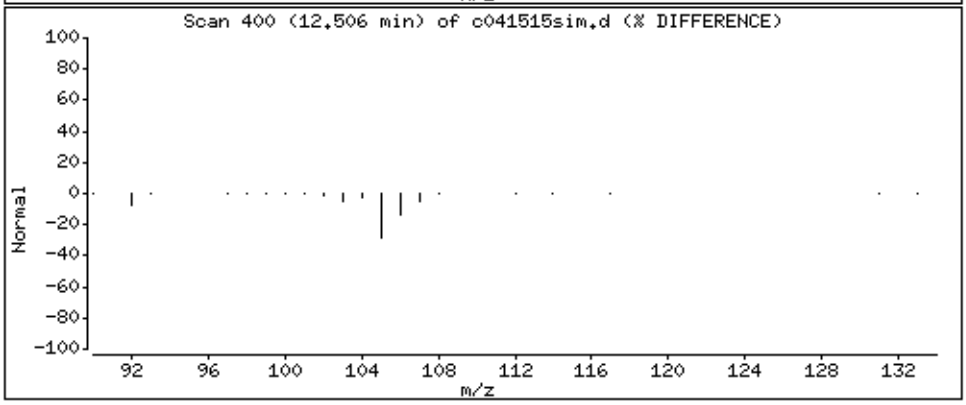












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

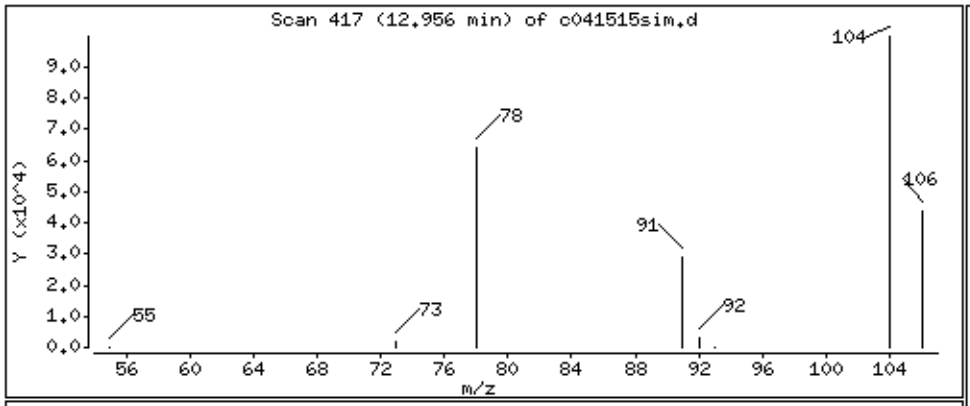
Operator: gm

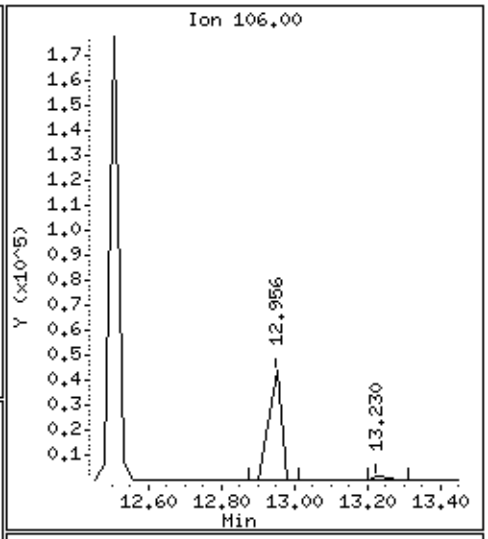
Column phase: DB-5.625

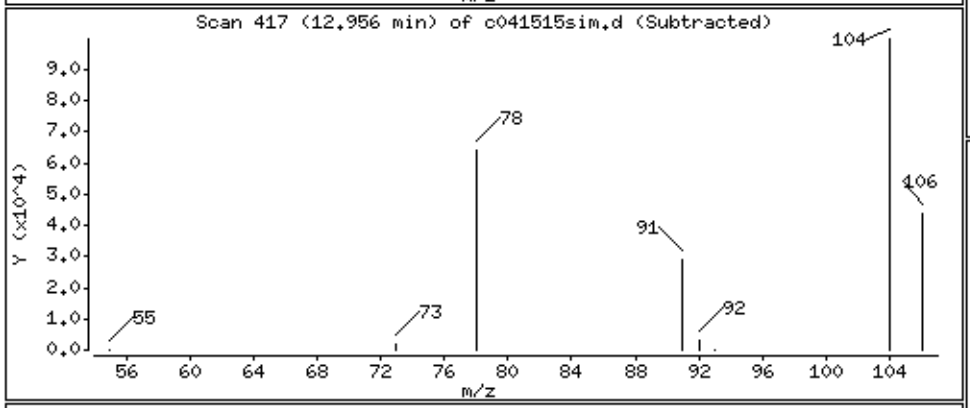
Column diameter: 0.25

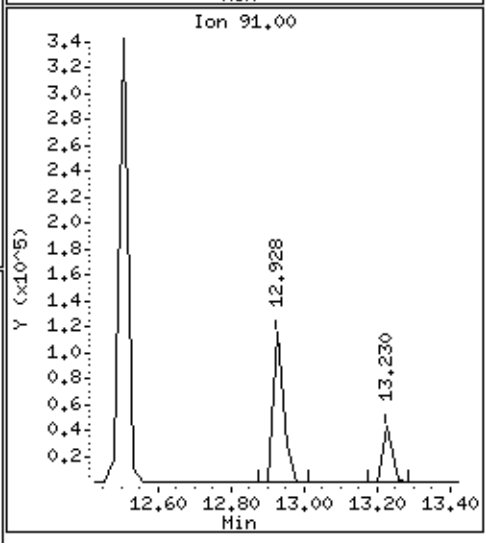
34 o-Xylene

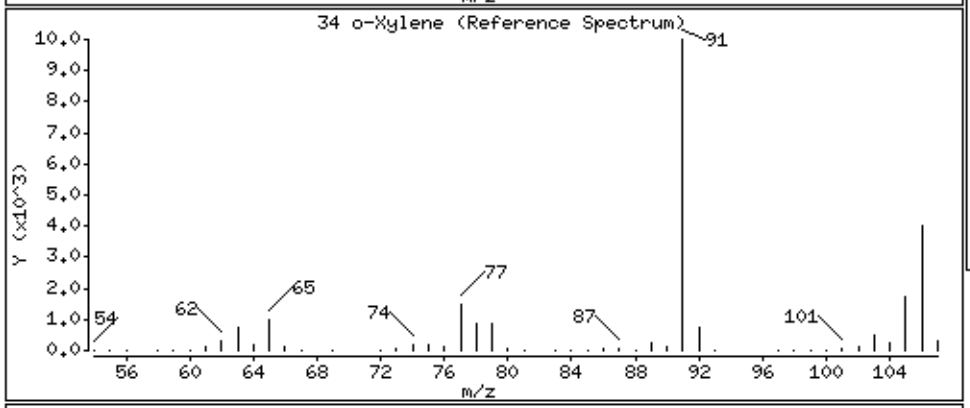
Concentration: 4.42897 ug

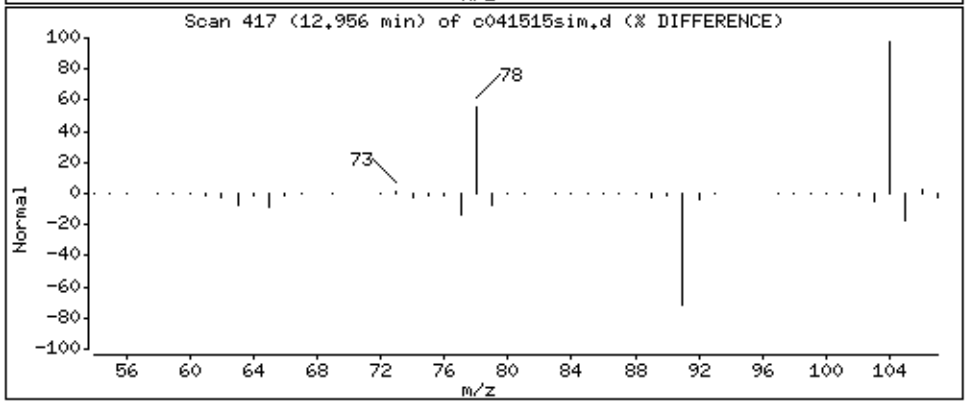












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

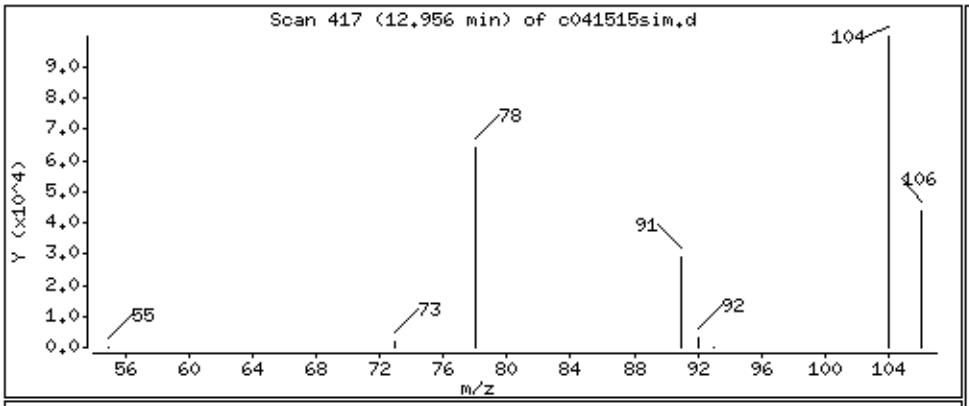
Operator: gm

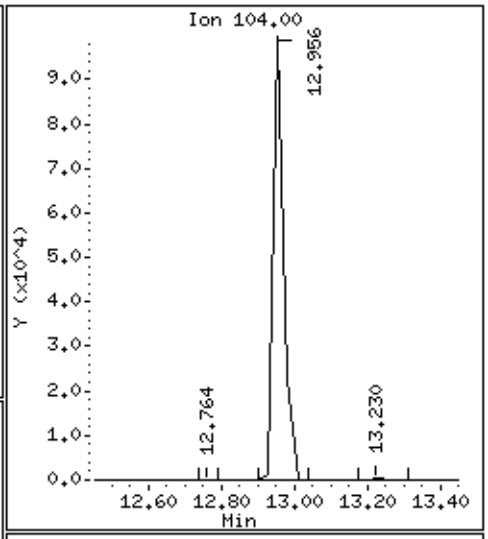
Column phase: DB-5.625

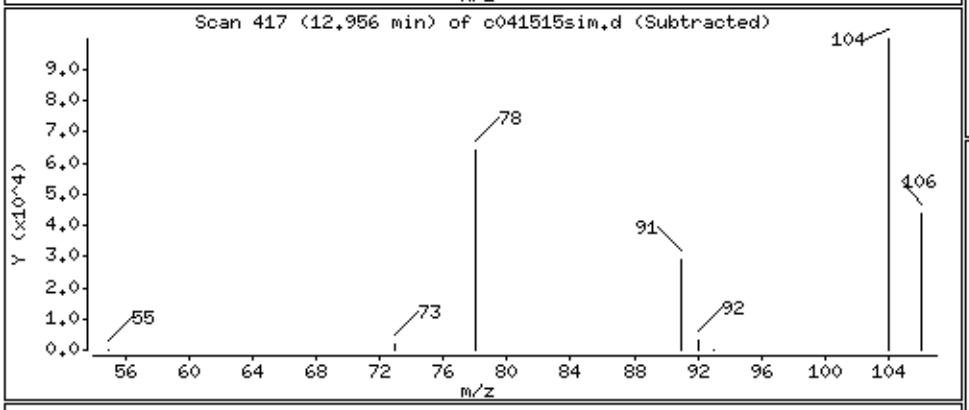
Column diameter: 0.25

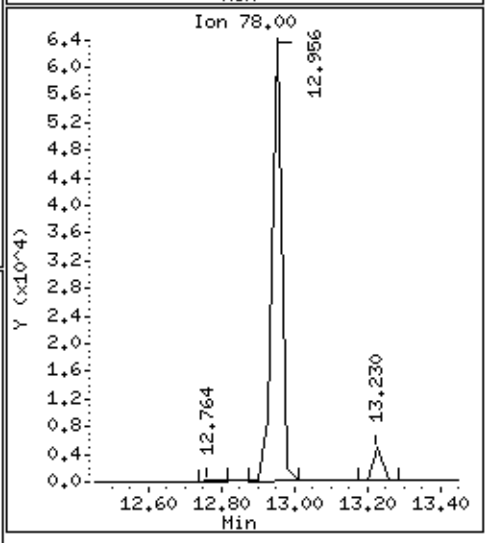
35 Styrene

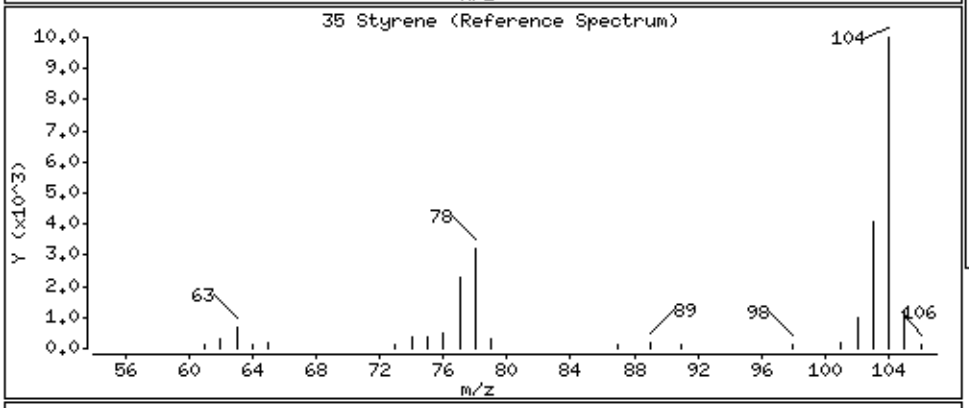
Concentration: 4.97512 ug

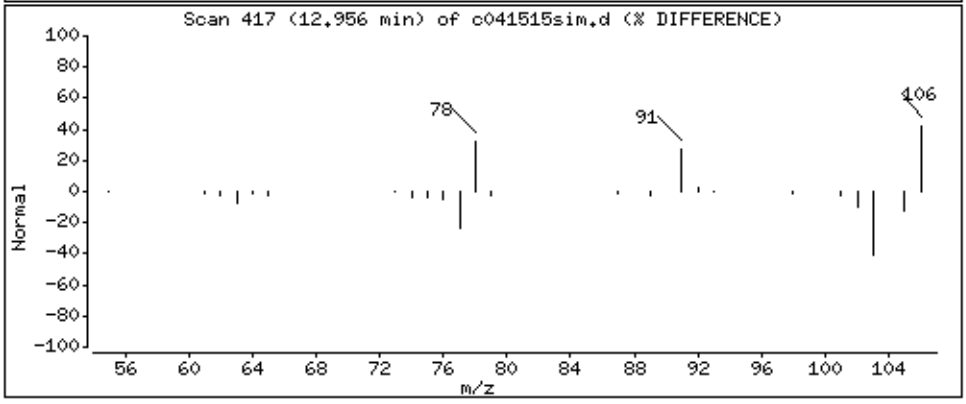












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

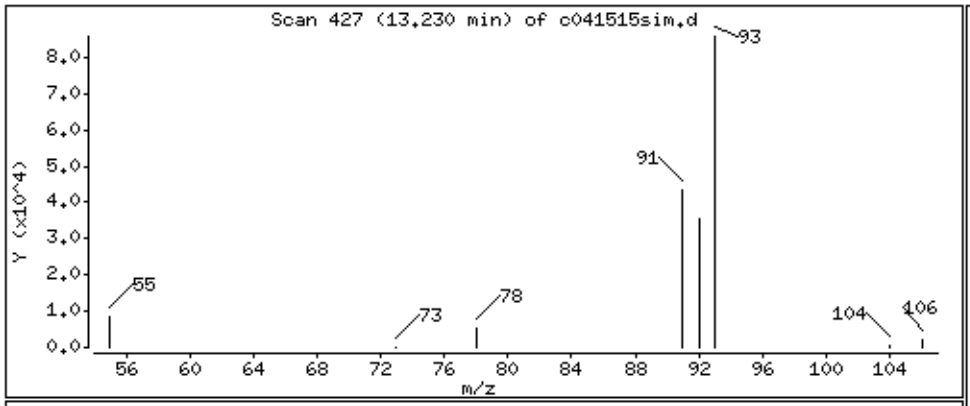
Operator: gm

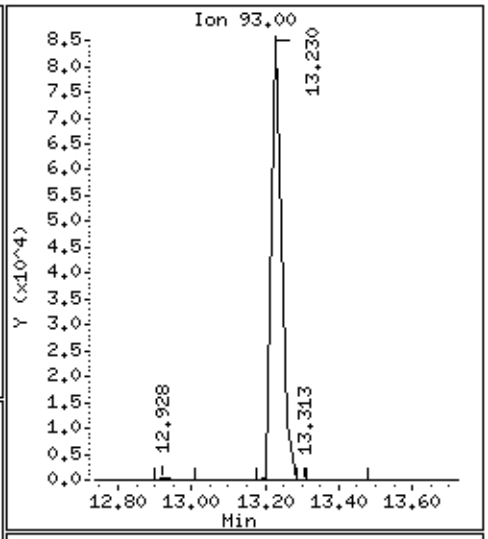
Column phase: DB-5.625

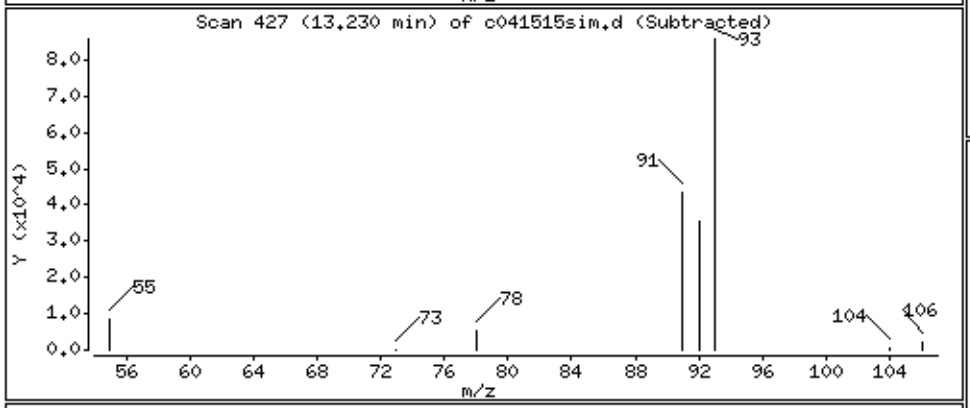
Column diameter: 0.25

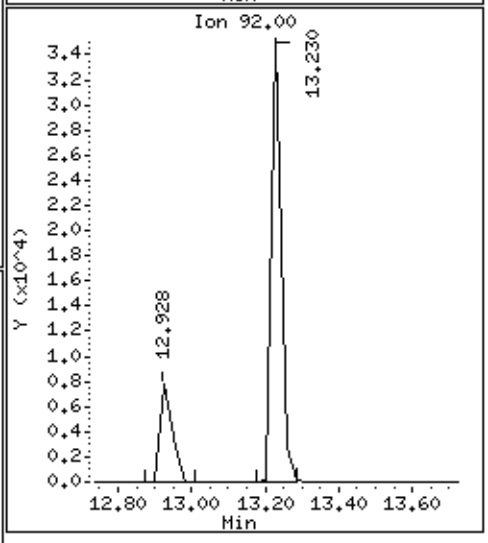
36 a-Pinene

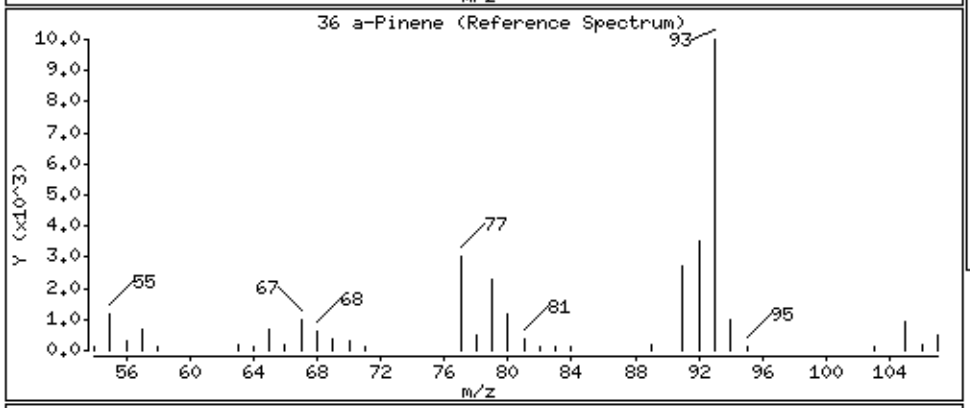
Concentration: 5.57159 ug

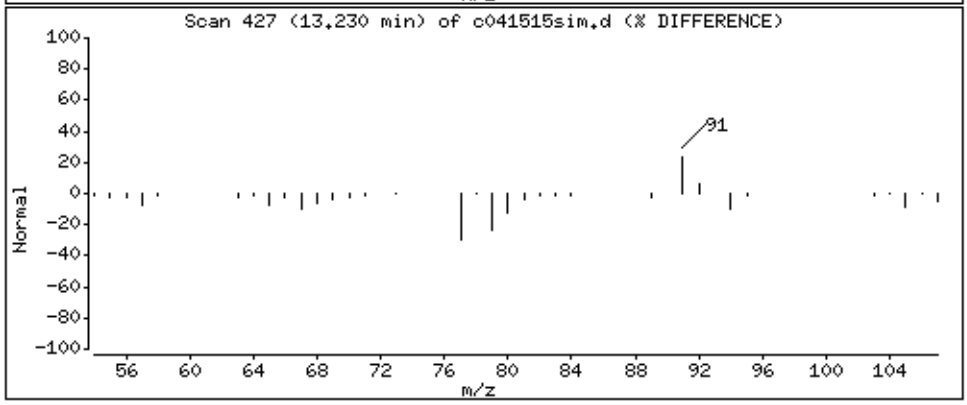












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

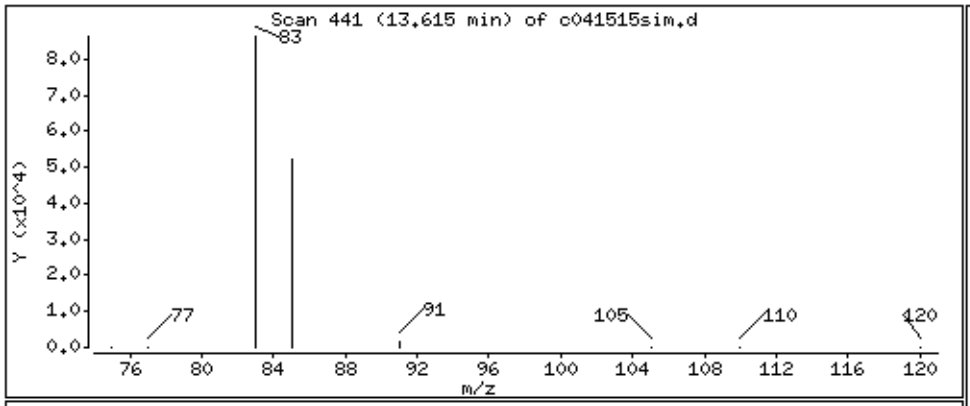
Operator: gm

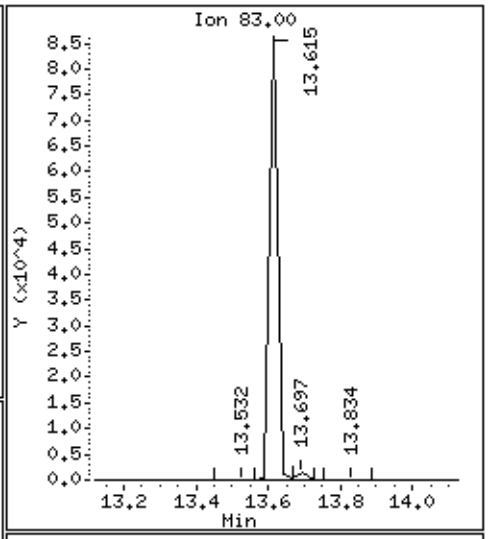
Column phase: DB-5.625

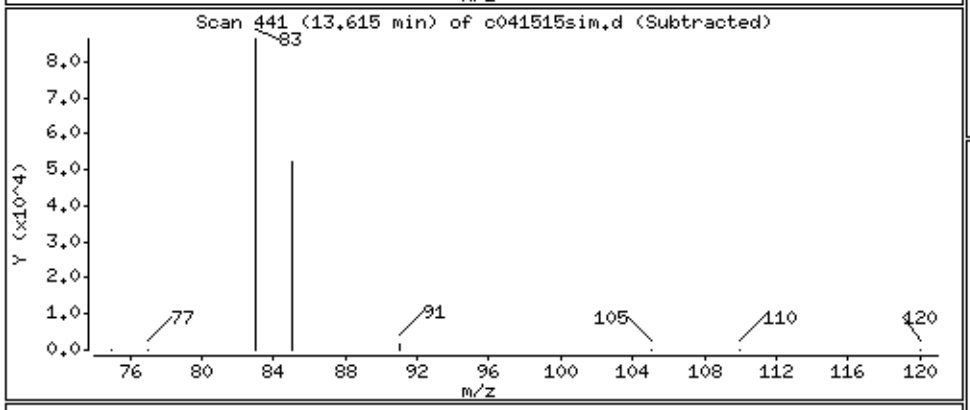
Column diameter: 0.25

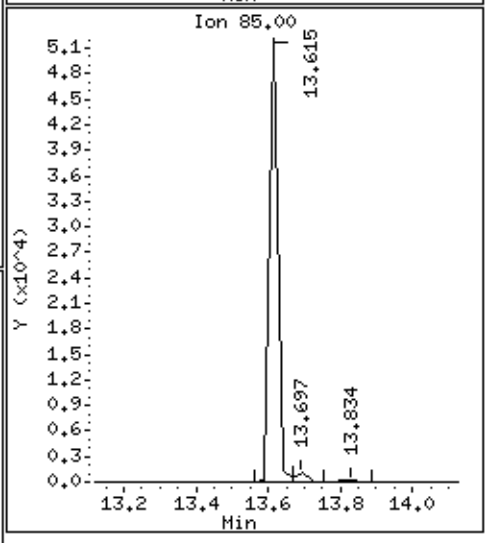
37 1,1,2,2-Tetrachloroethane-SPC

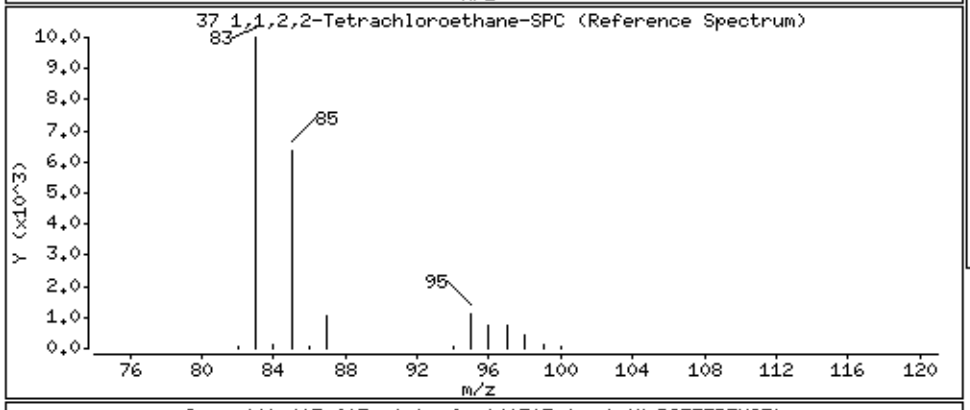
Concentration: 4.82935 ug

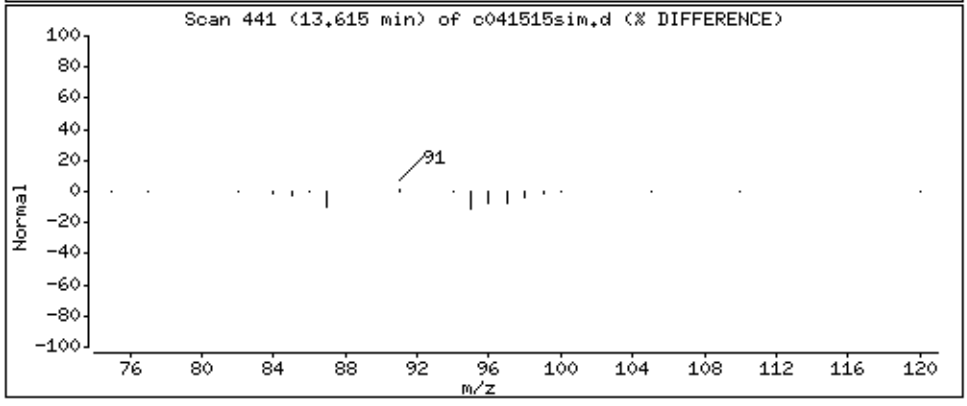












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

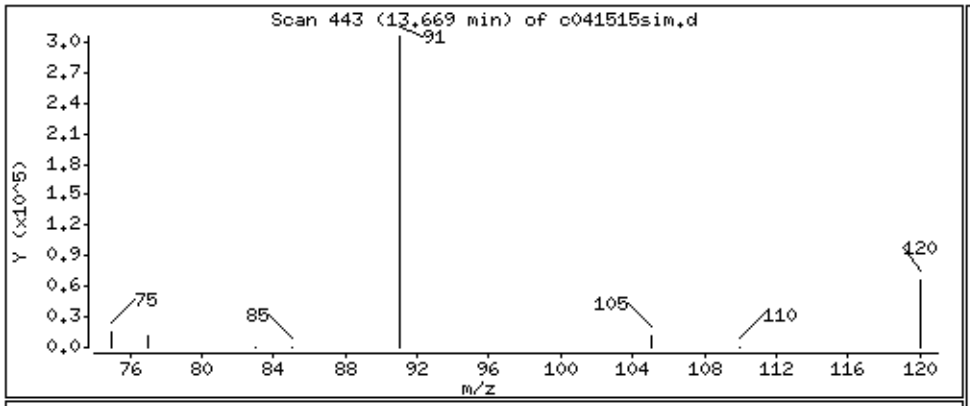
Operator: gm

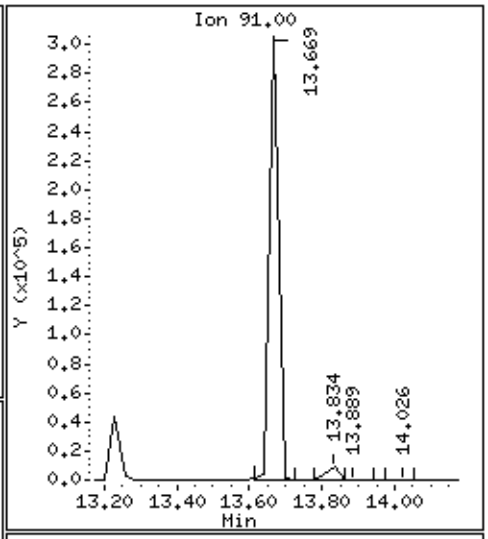
Column phase: DB-5.625

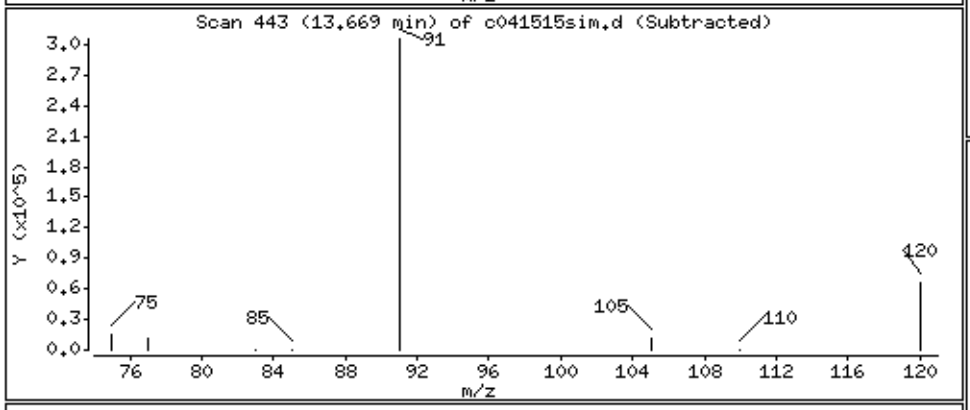
Column diameter: 0.25

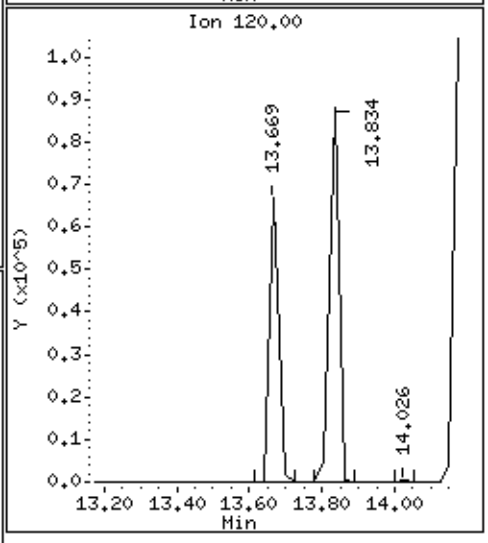
38 Propylbenzene

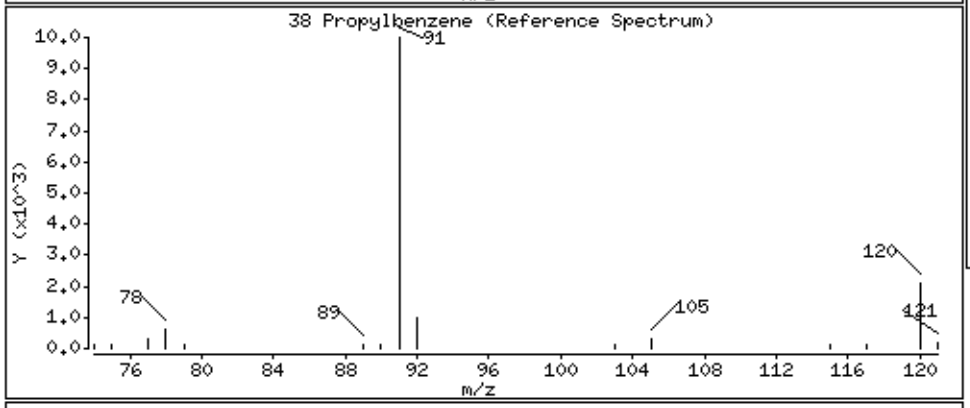
Concentration: 4.38276 ug

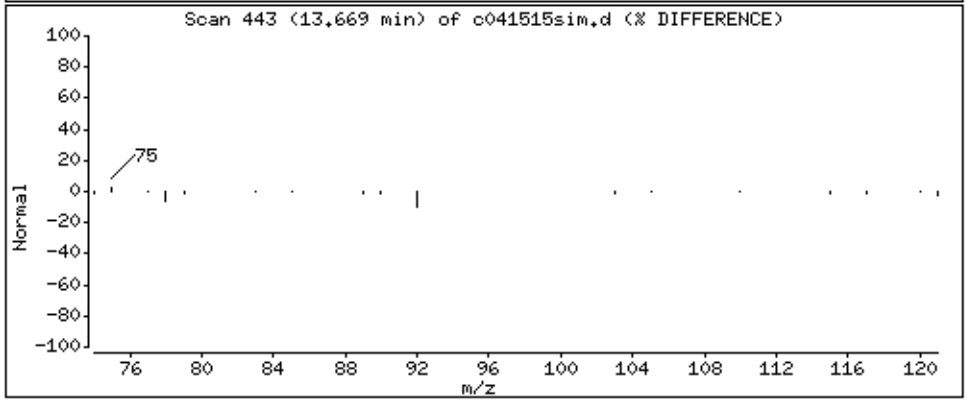












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

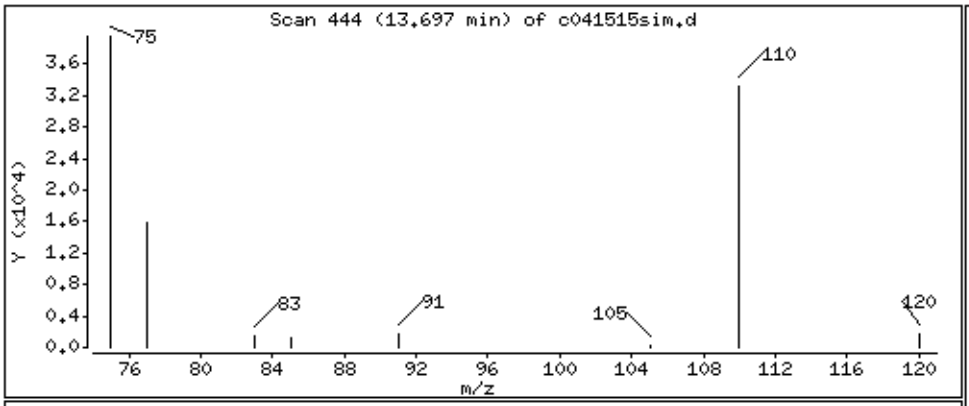
Operator: gm

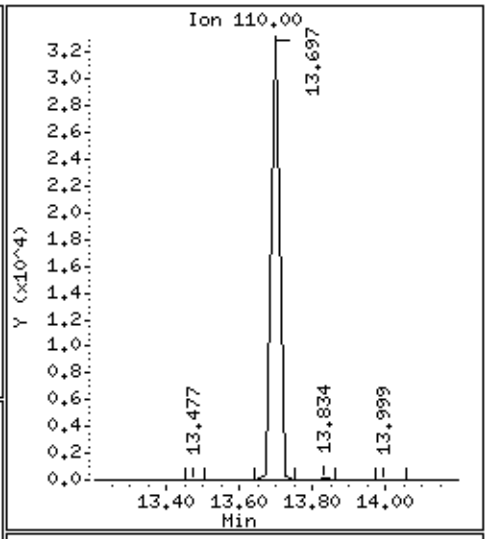
Column phase: DB-5.625

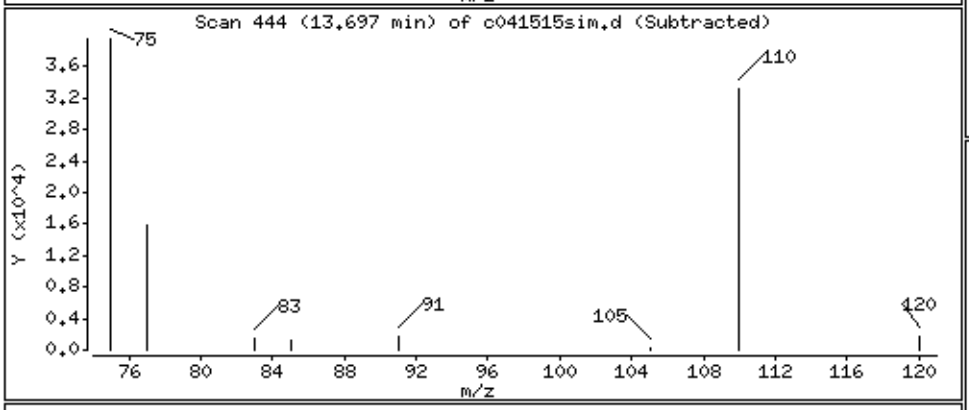
Column diameter: 0.25

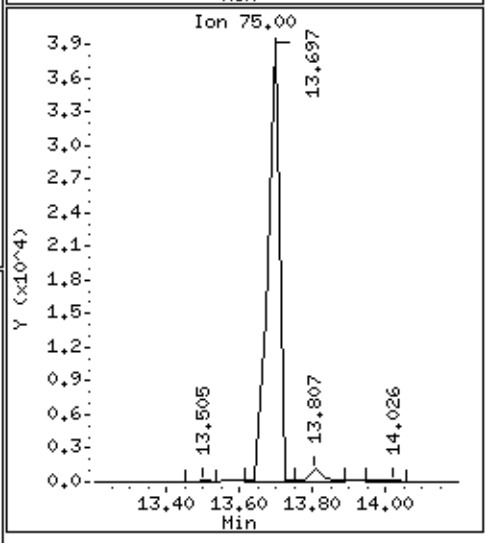
39 1,2,3-Trichloropropane

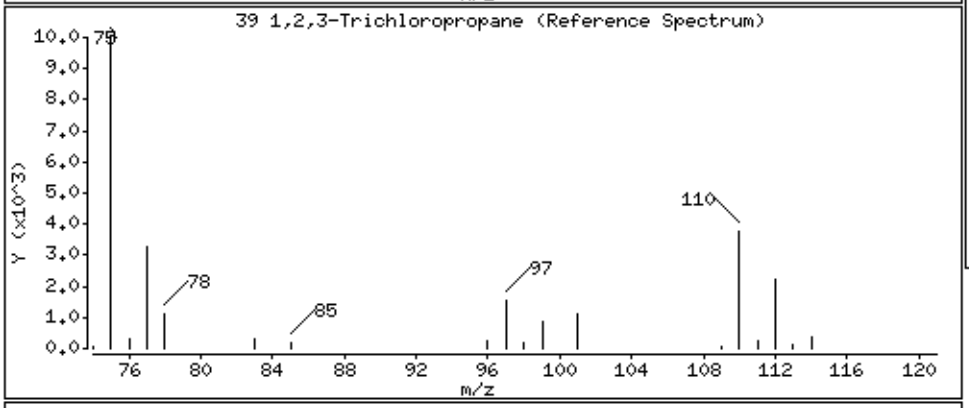
Concentration: 4.77220 ug

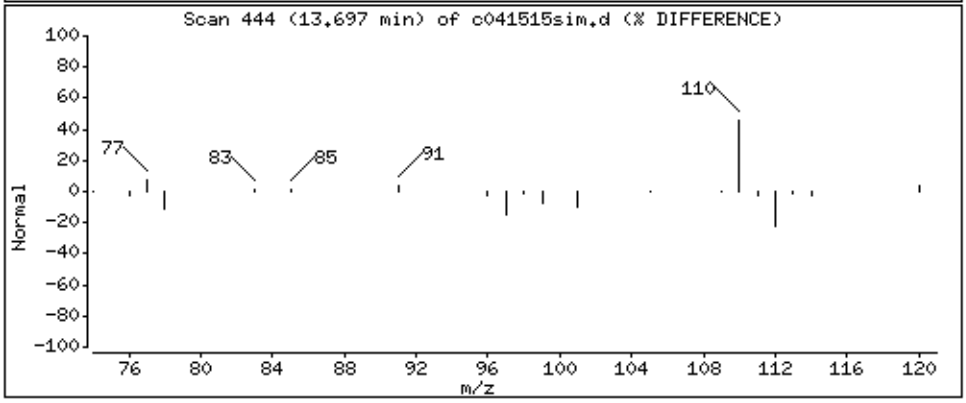












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

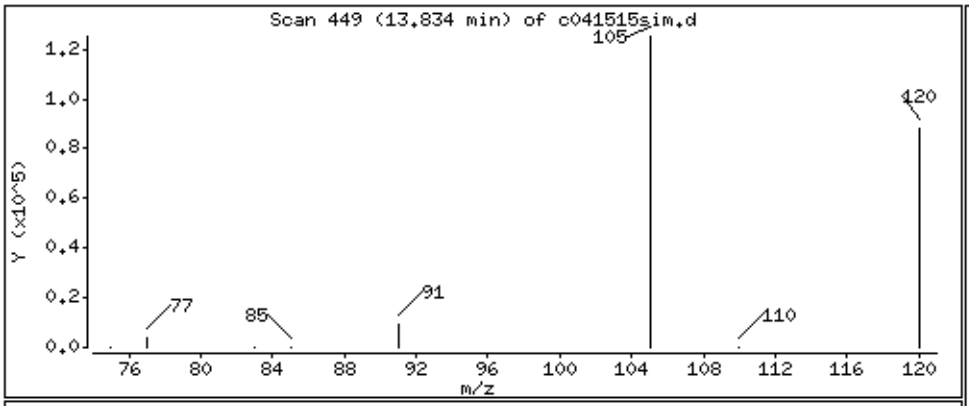
Operator: gm

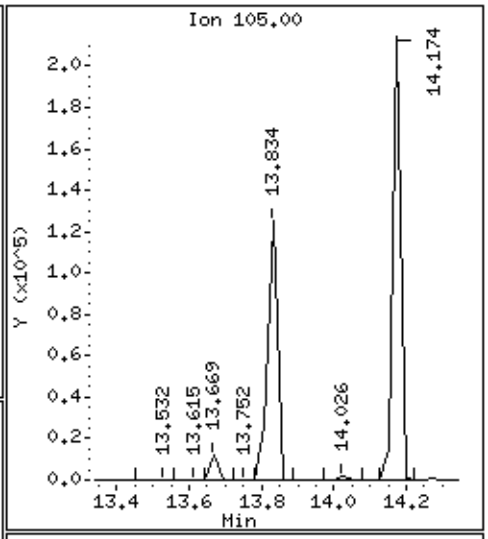
Column phase: DB-5.625

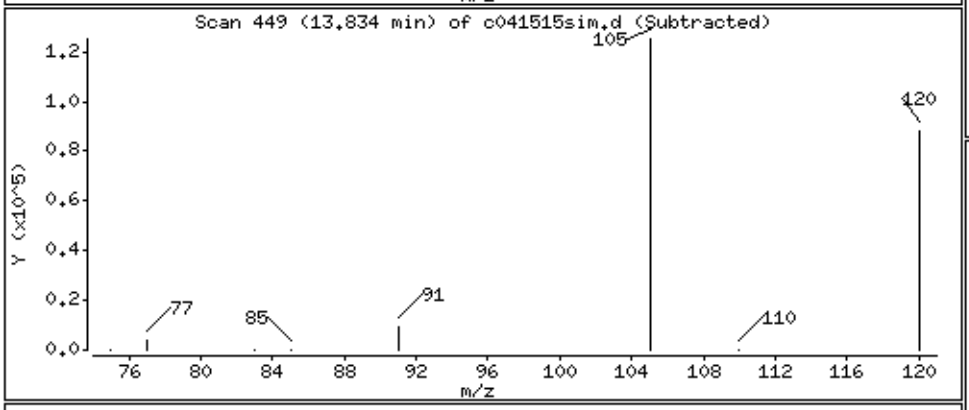
Column diameter: 0.25

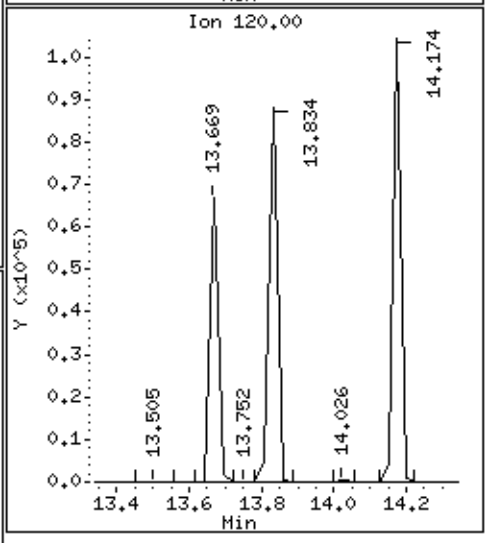
40 1,3,5-Trimethylbenzene

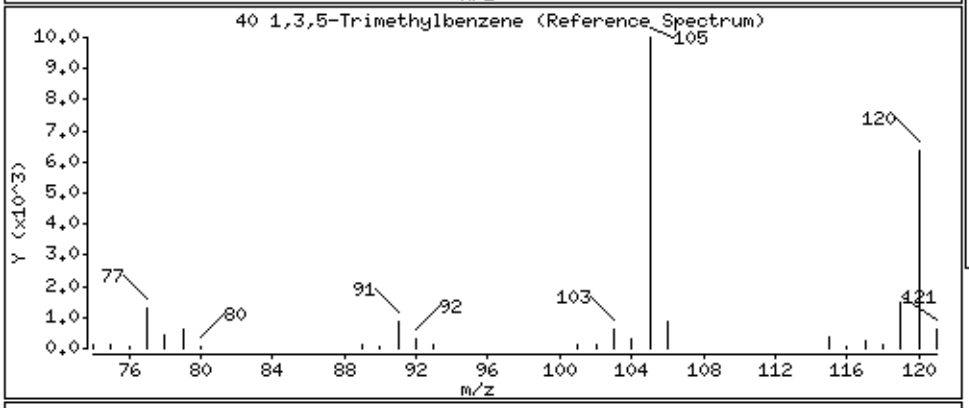
Concentration: 4.50861 ug

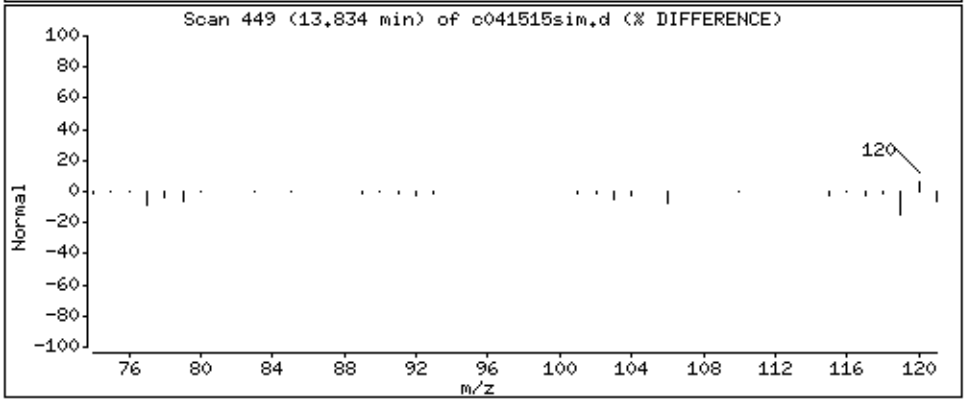












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

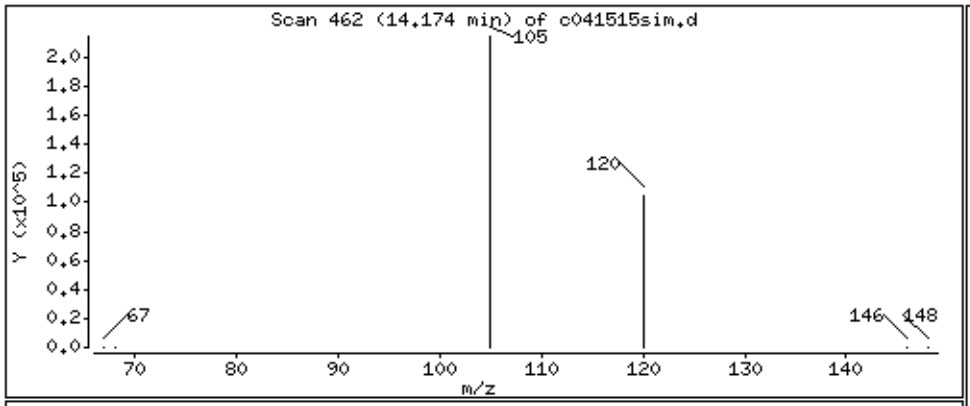
Operator: gm

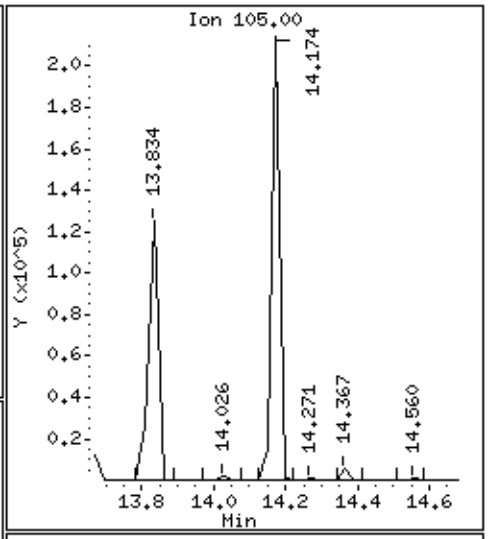
Column phase: DB-5.625

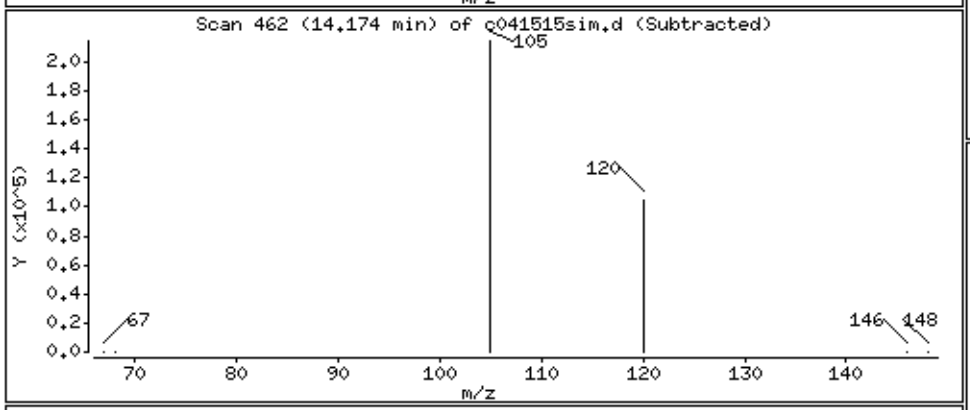
Column diameter: 0.25

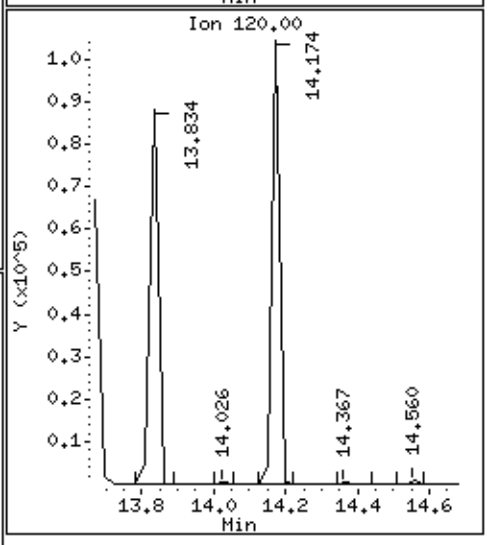
41 1,2,4-Trimethylbenzene

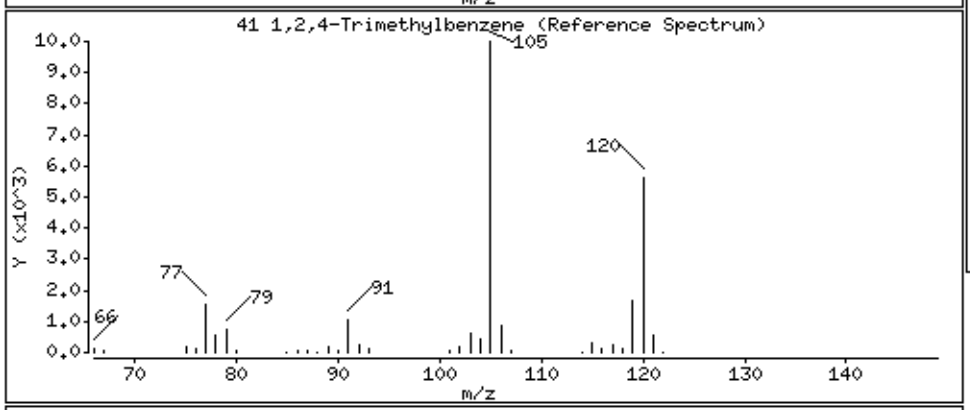
Concentration: 4.77602 ug

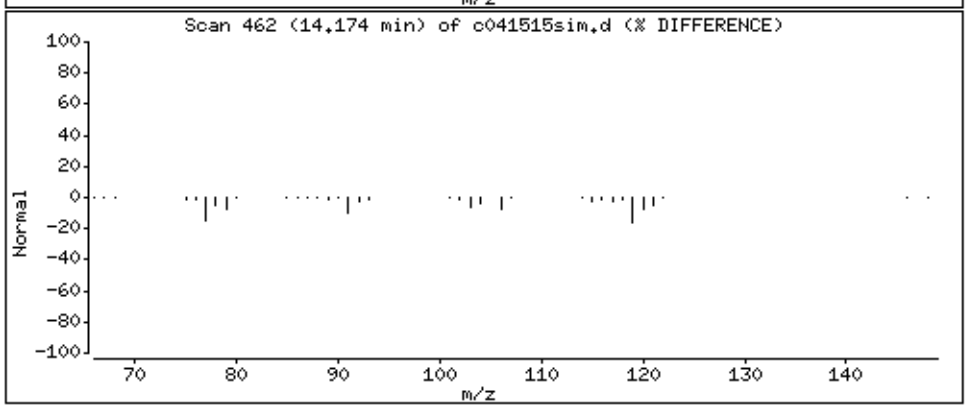












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

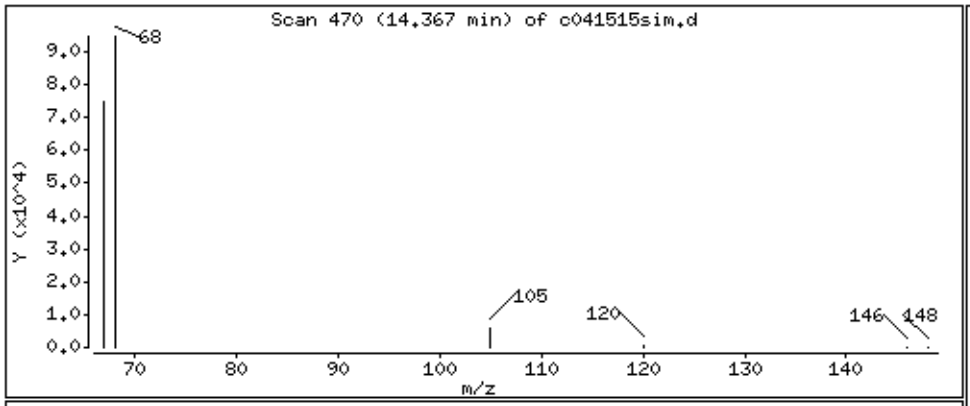
Operator: gm

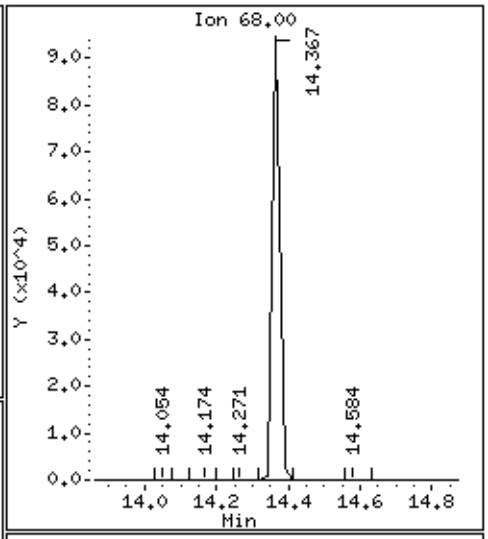
Column phase: DB-5.625

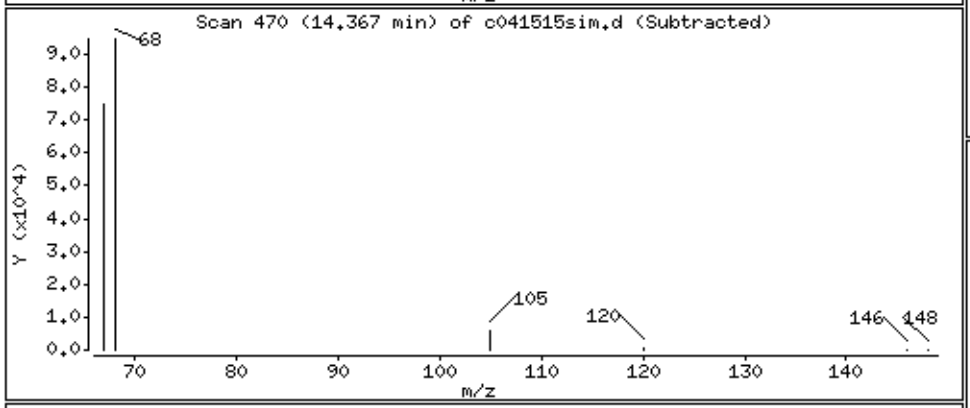
Column diameter: 0.25

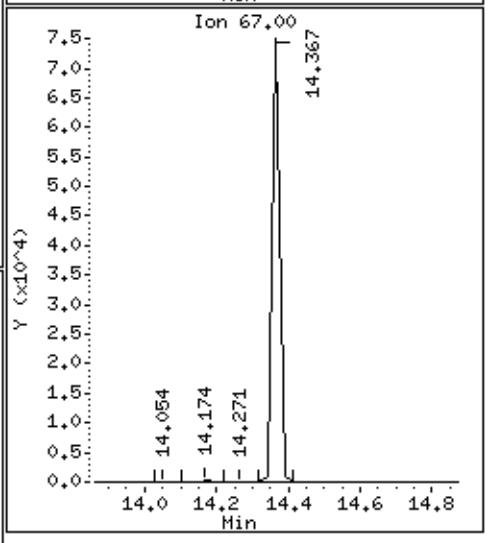
42 R-(+)-Limonene

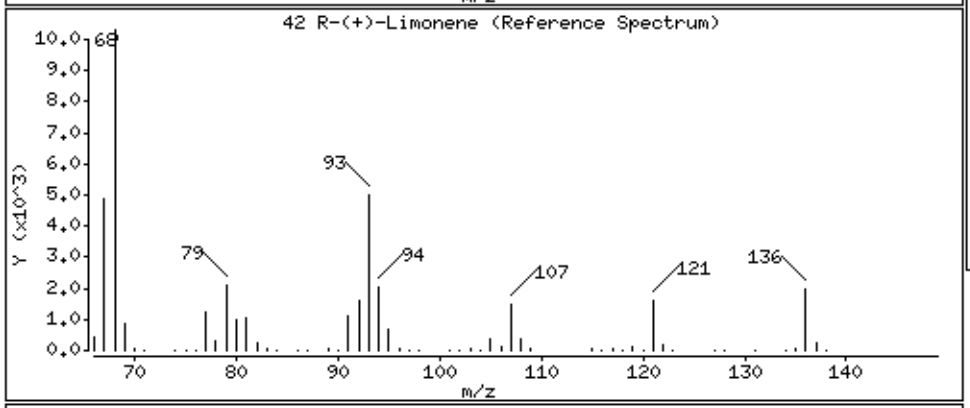
Concentration: 4.85231 ug

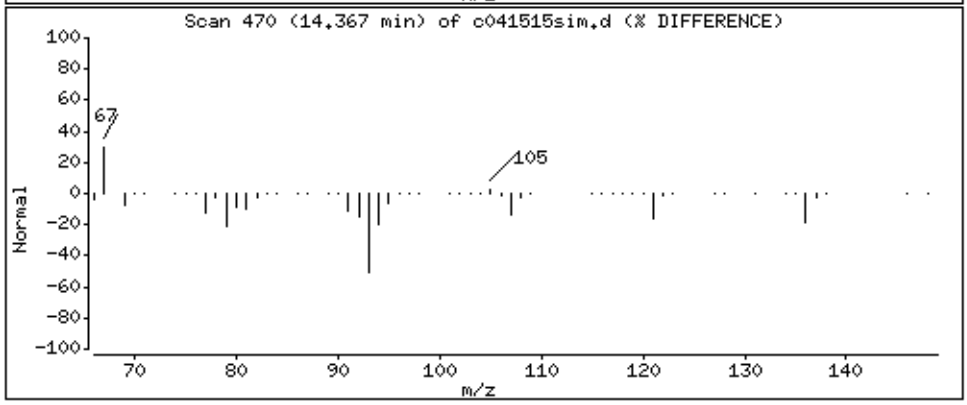












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

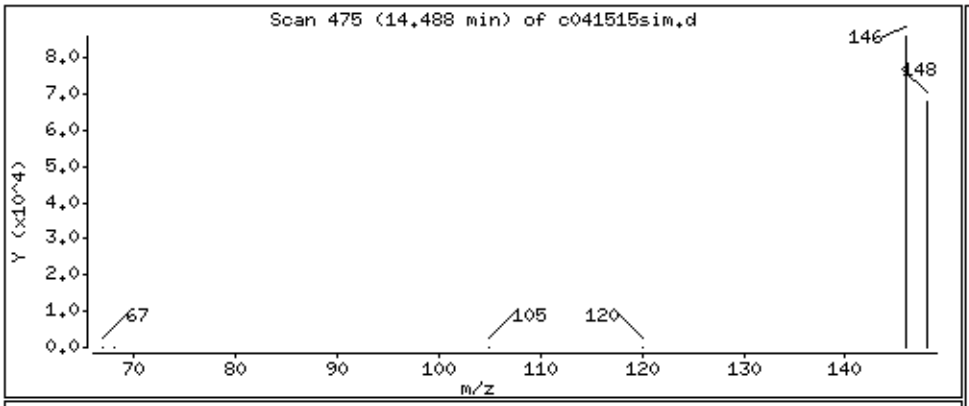
Operator: gm

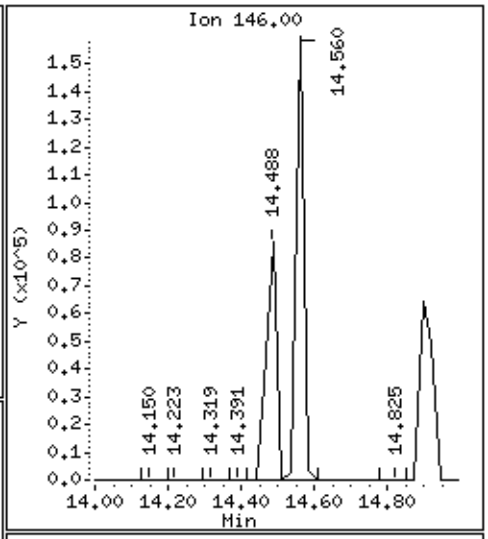
Column phase: DB-5.625

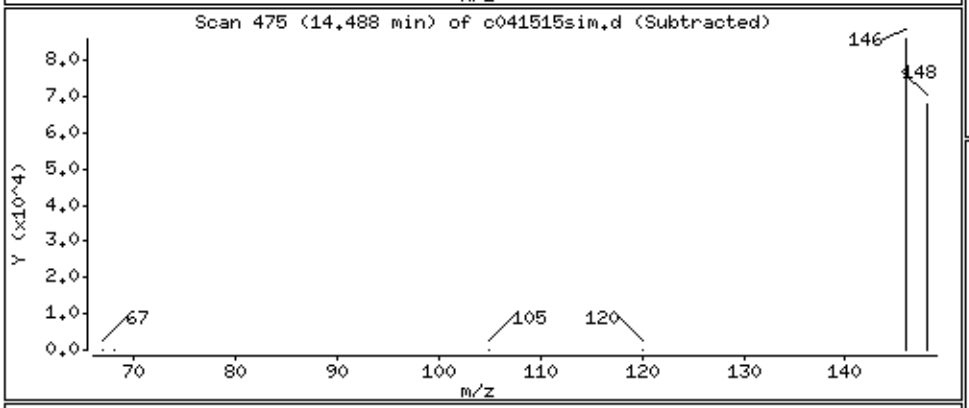
Column diameter: 0.25

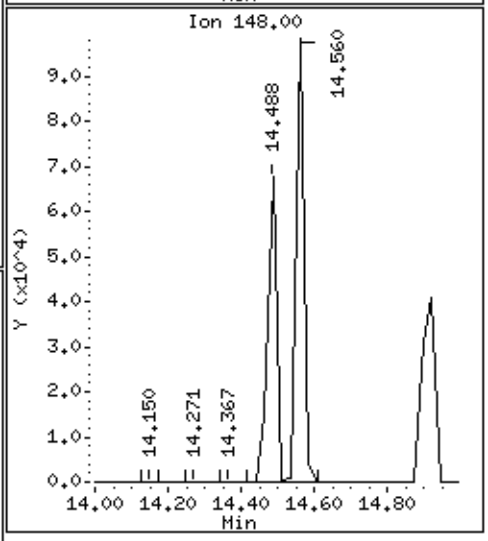
43 1,3-Dichlorobenzene

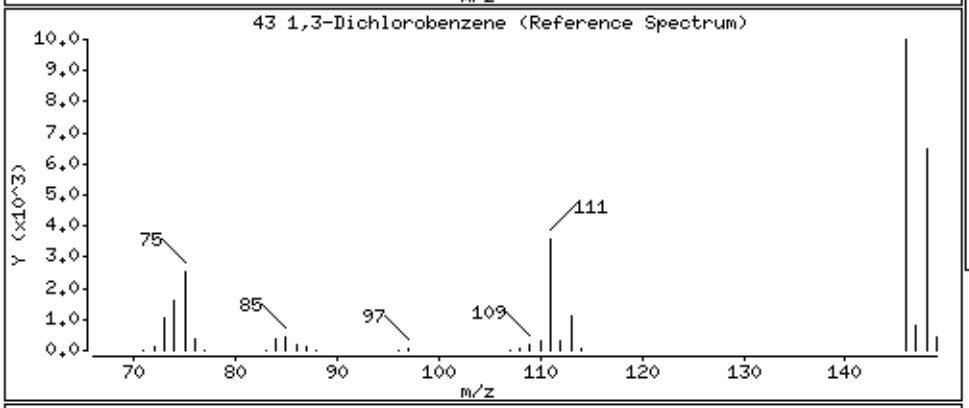
Concentration: 4.59908 ug

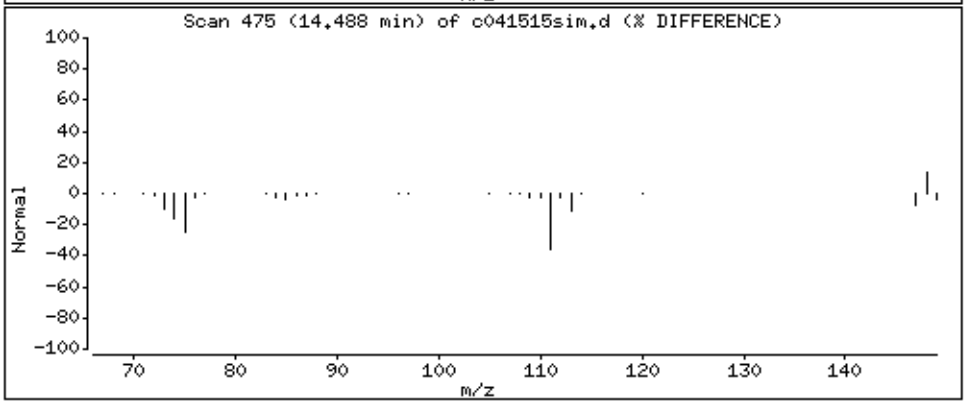












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

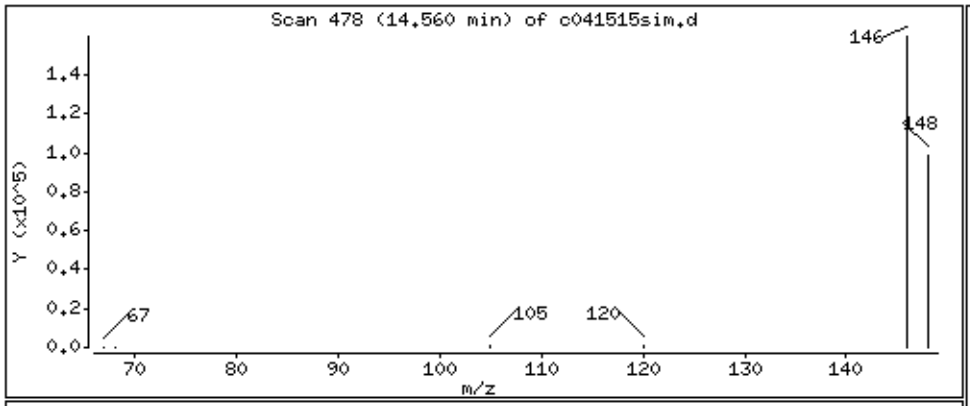
Operator: gm

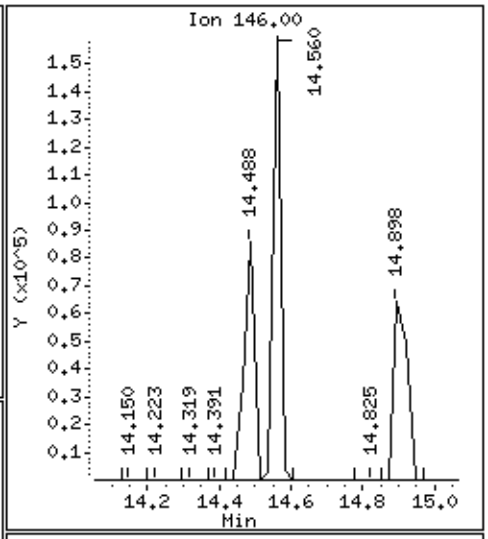
Column phase: DB-5.625

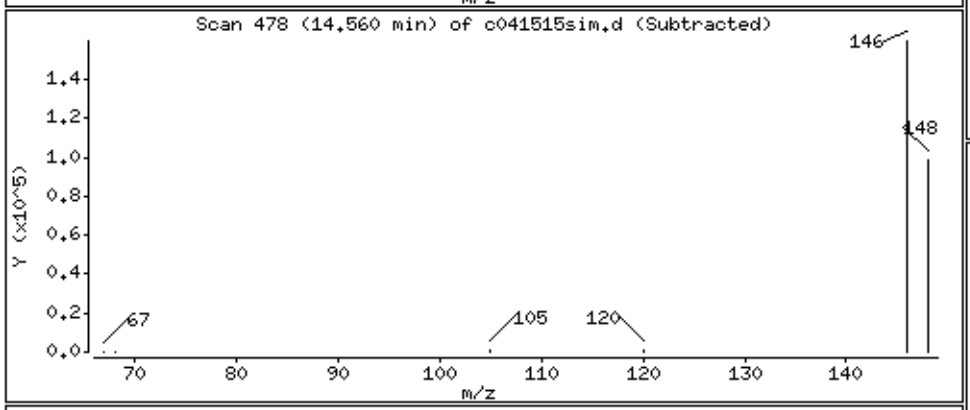
Column diameter: 0.25

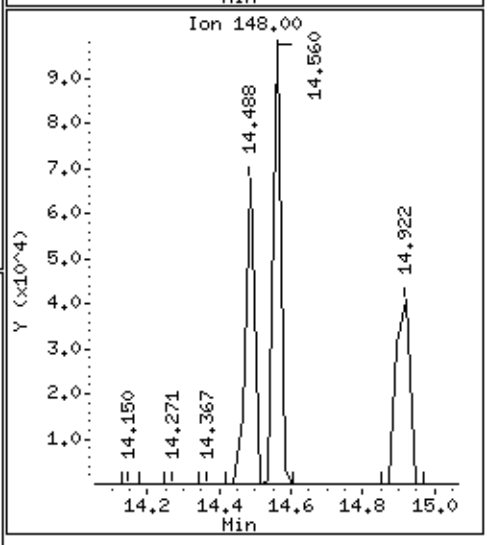
44 1,4-Dichlorobenzene

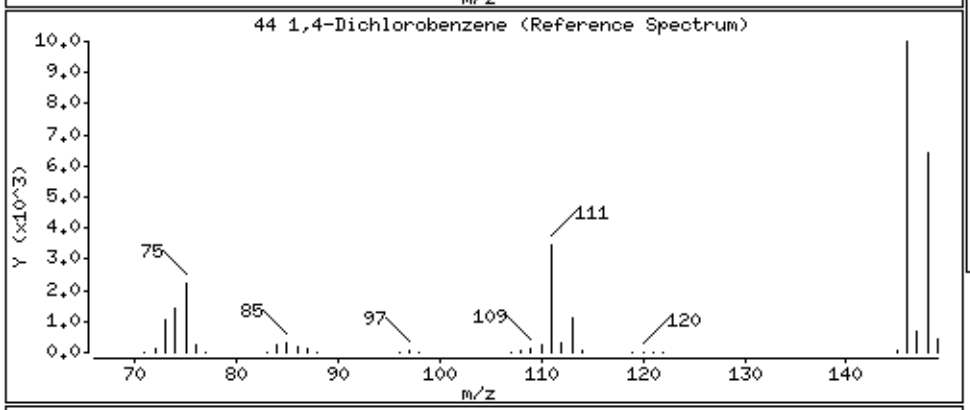
Concentration: 4.88655 ug

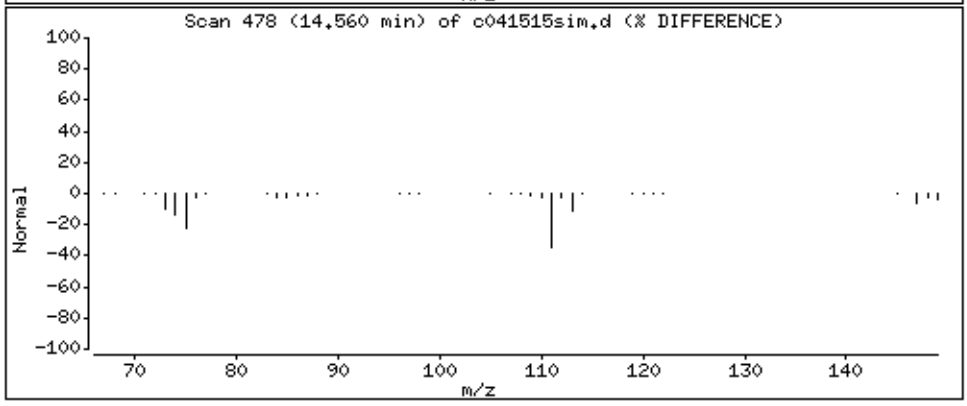












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

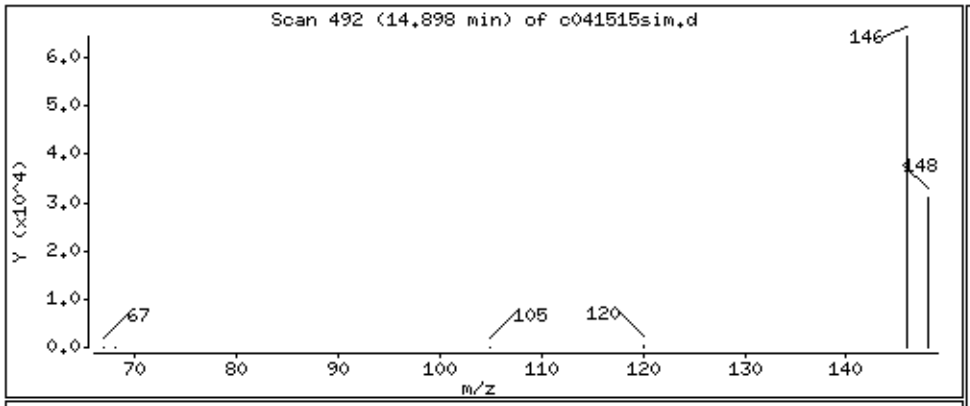
Operator: gm

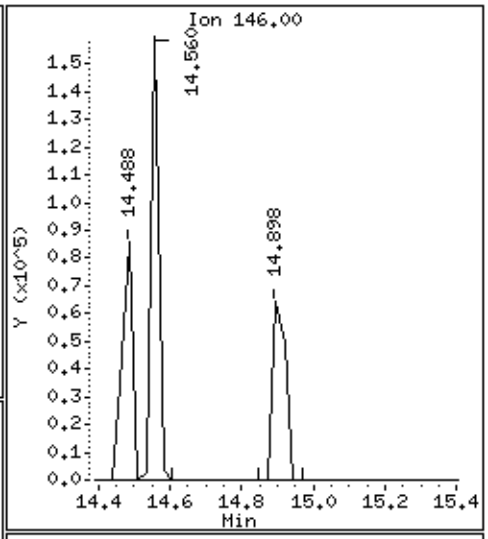
Column phase: DB-5.625

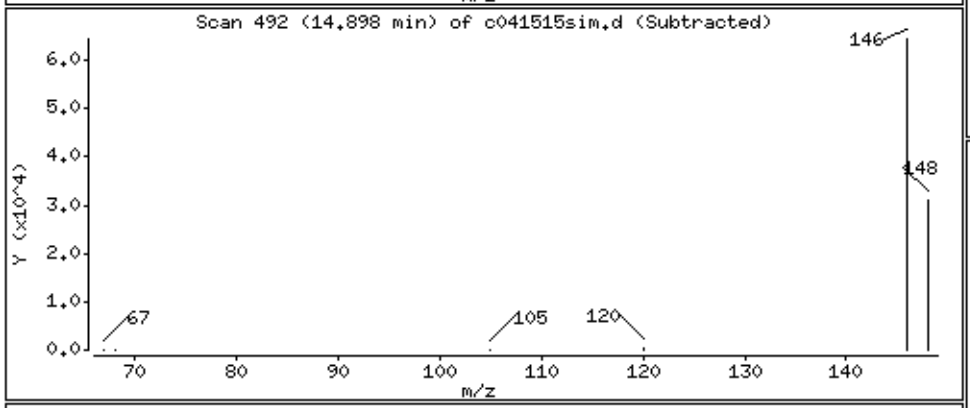
Column diameter: 0.25

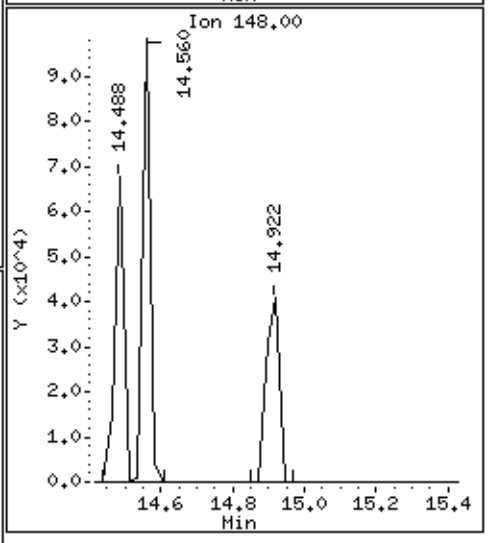
45 1,2-Dichlorobenzene

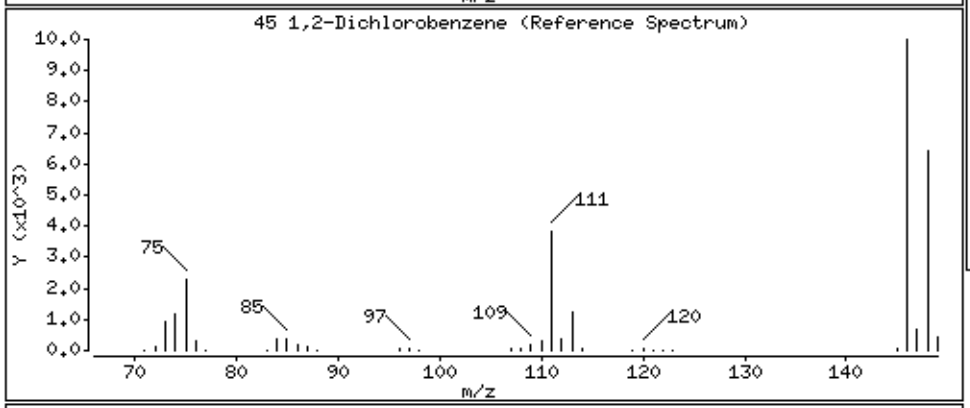
Concentration: 4.72515 ug

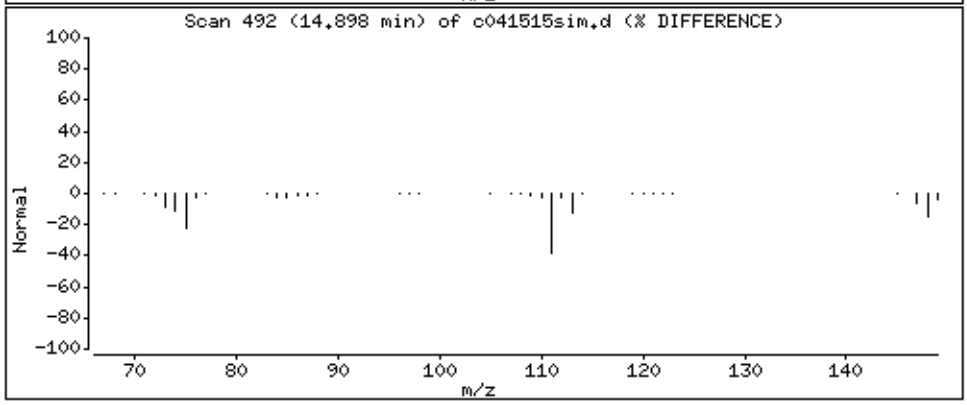












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

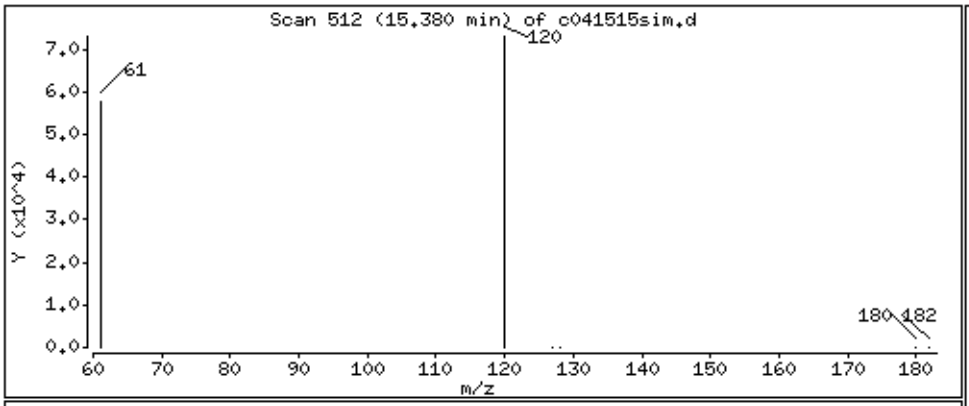
Operator: gm

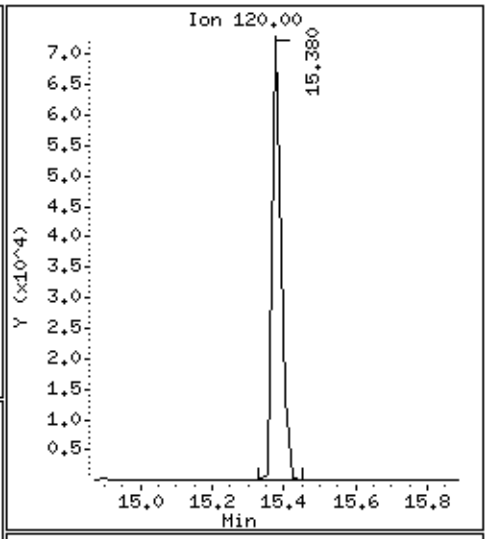
Column phase: DB-5.625

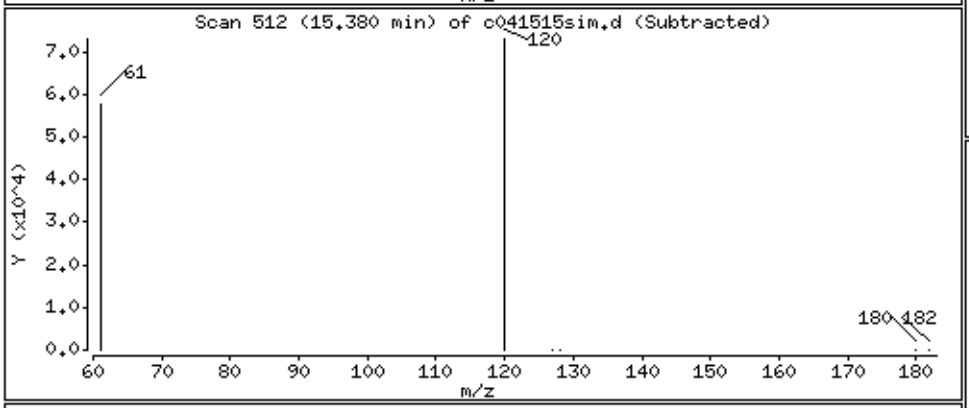
Column diameter: 0.25

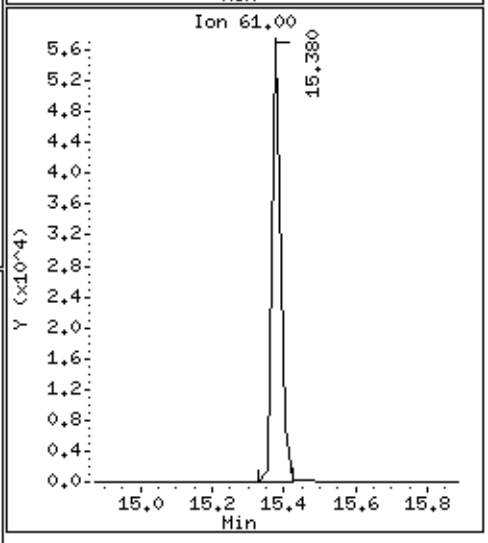
46 1,4-Dithiane

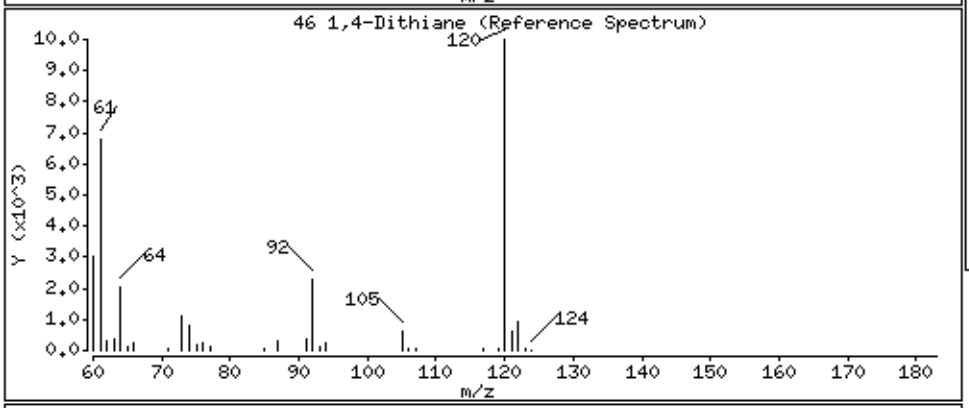
Concentration: 4.55829 ug

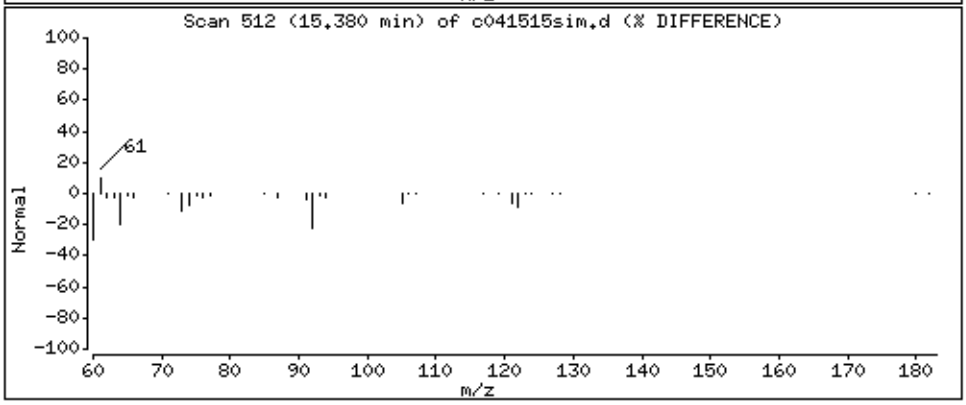












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

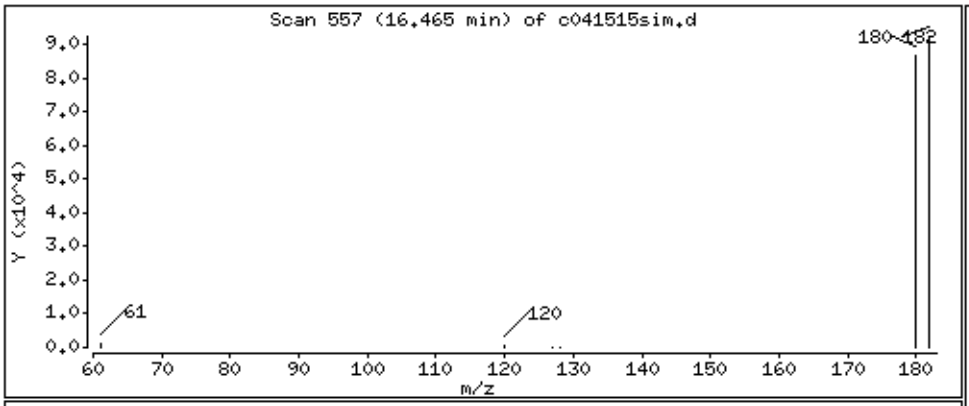
Operator: gm

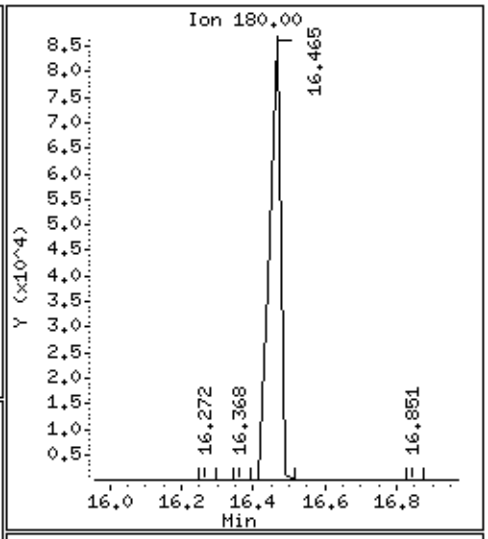
Column phase: DB-5.625

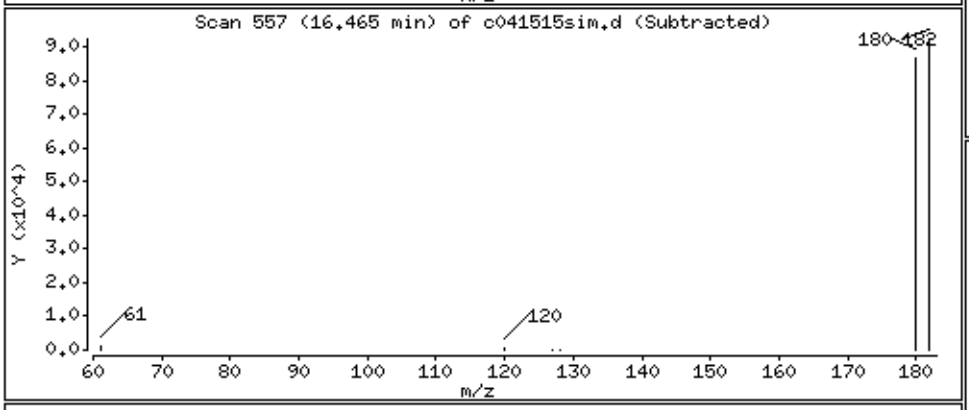
Column diameter: 0.25

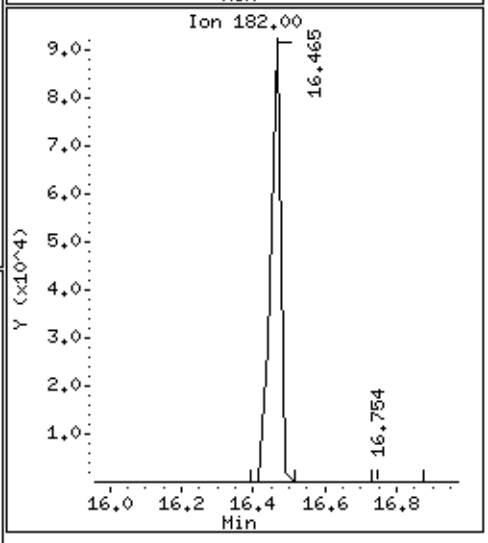
47 1,2,4-Trichlorobenzene

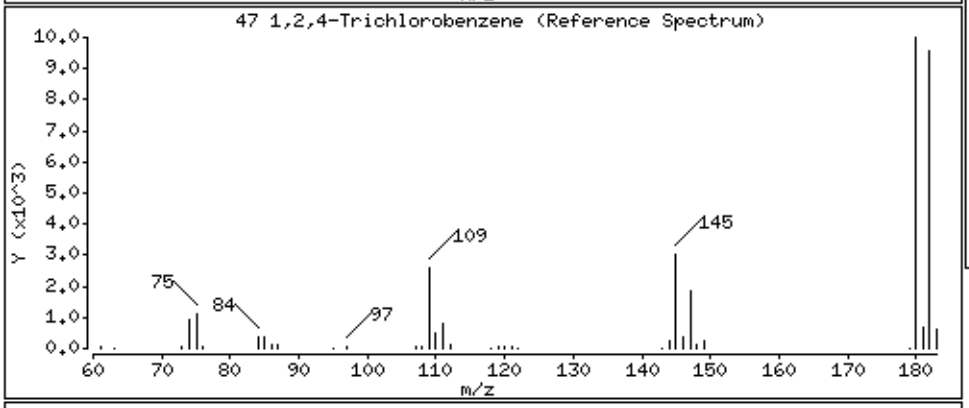
Concentration: 4.63568 ug

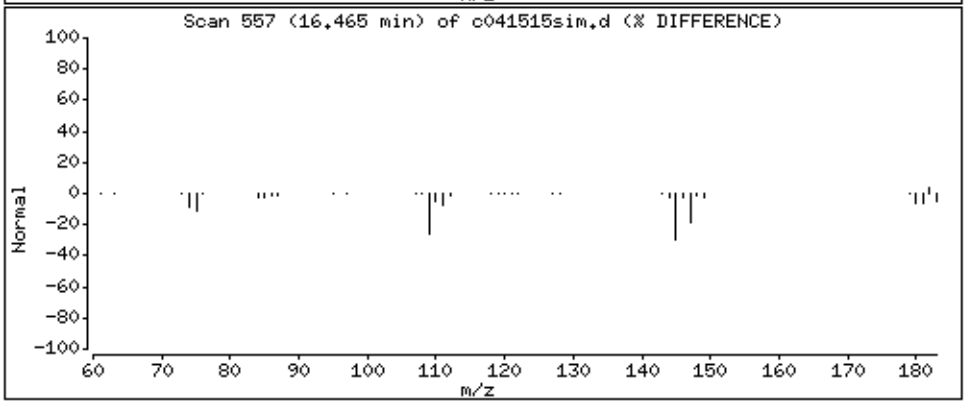












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

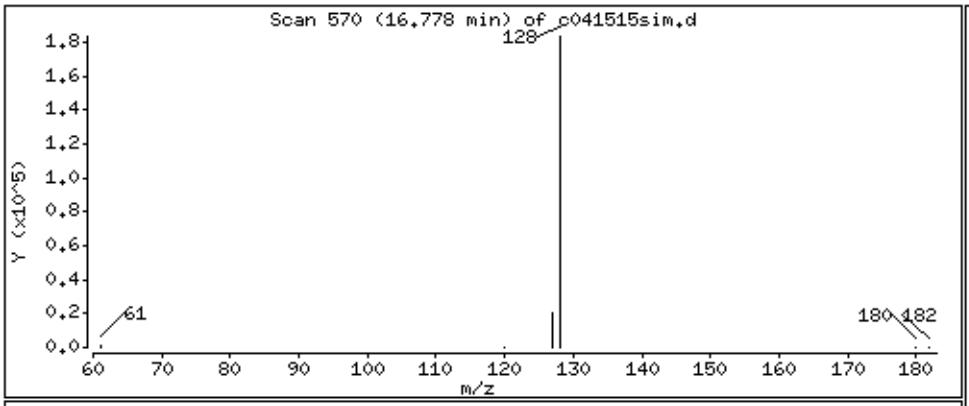
Operator: gm

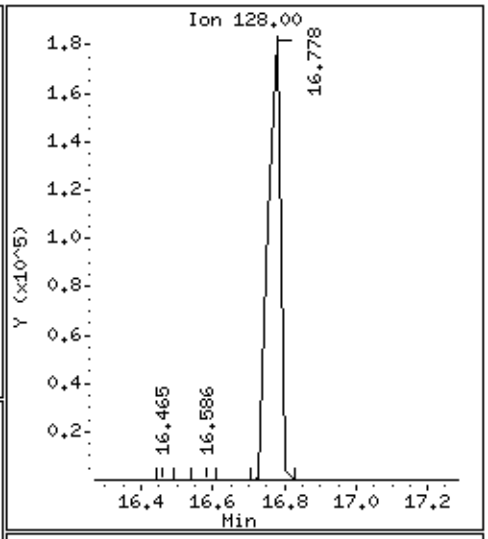
Column phase: DB-5.625

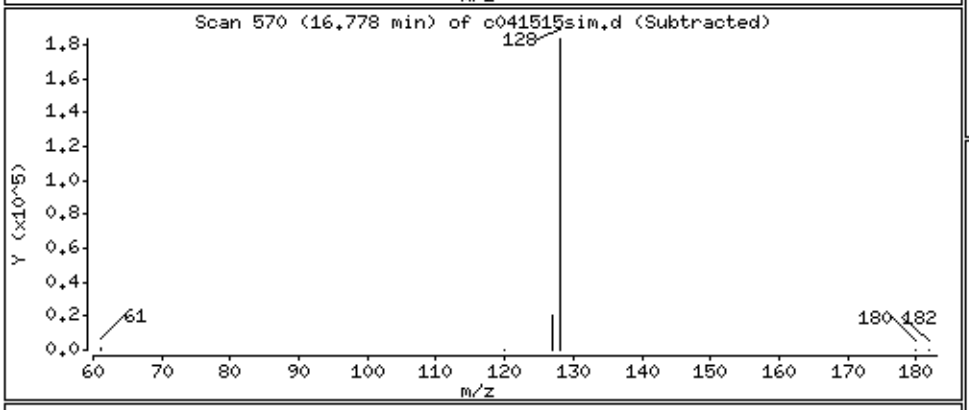
Column diameter: 0.25

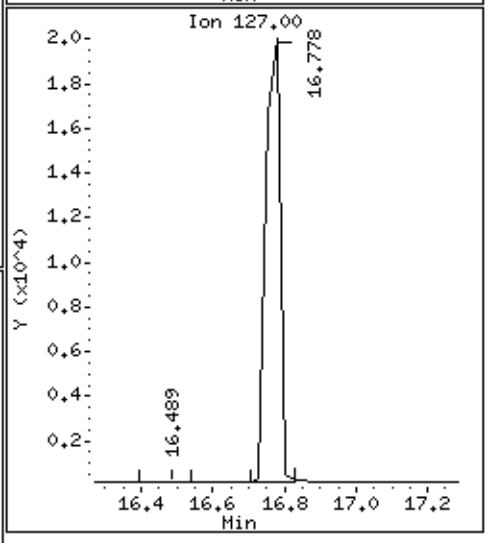
48 Naphthalene

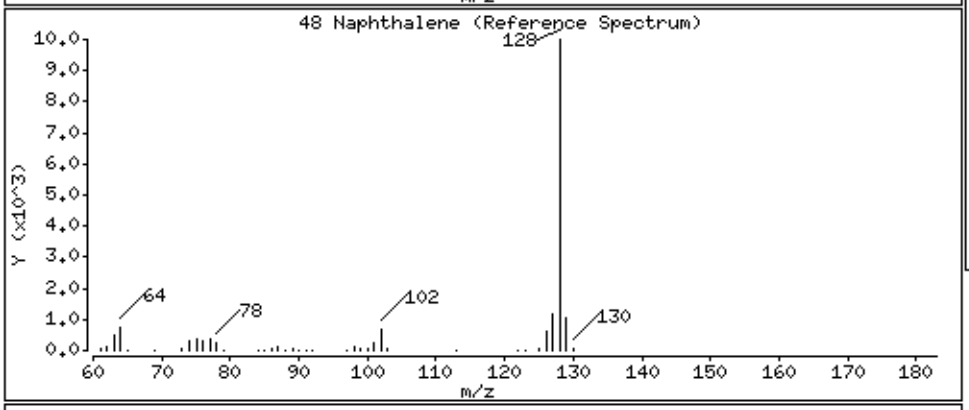
Concentration: 4.91263 ug

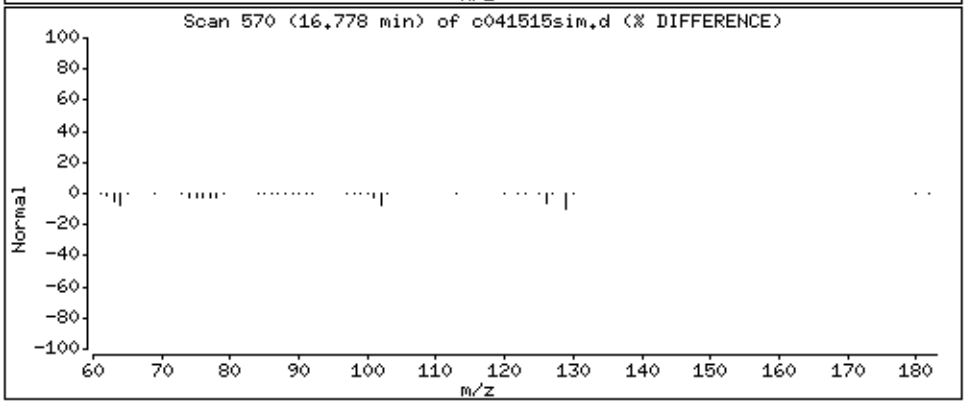












Data File: /chem/msdc.i/15Apr2015.b/c041515sim.d

Date : 15-APR-2015 13:49

Client ID: ICV

Instrument: msdc.i

Sample Info: ;2595-231-5.0;ICV

Volume Injected (uL): 1.0

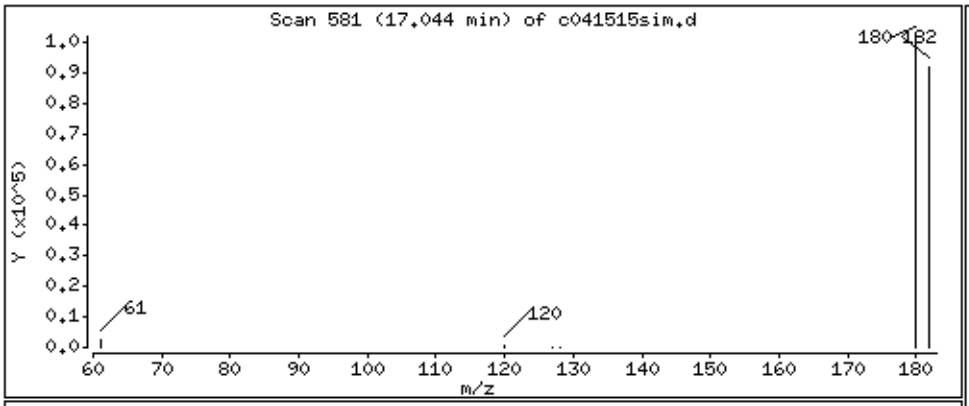
Operator: gm

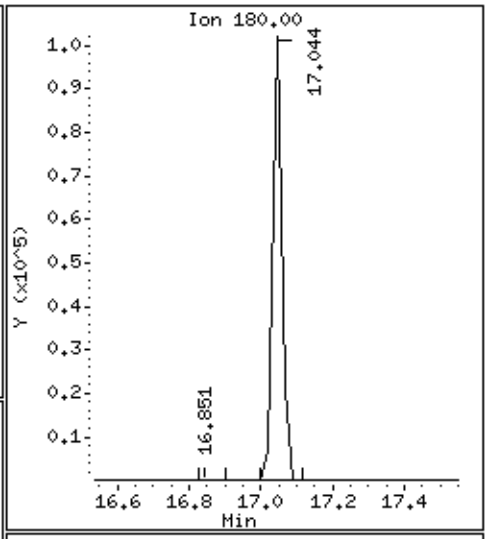
Column phase: DB-5.625

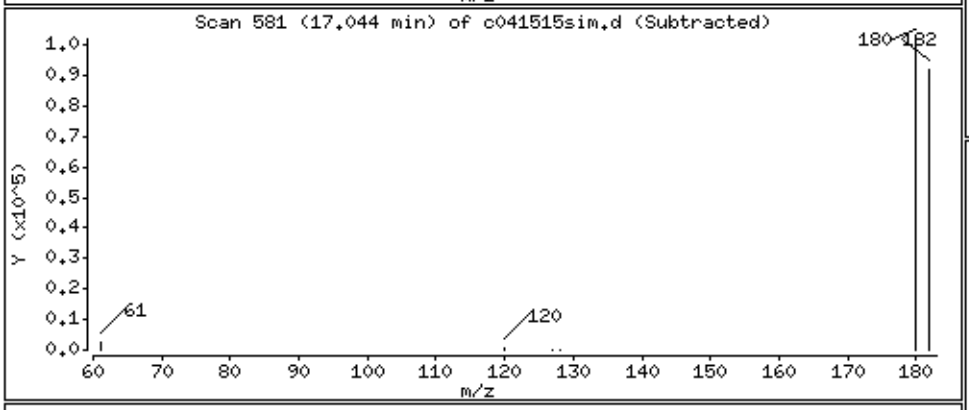
Column diameter: 0.25

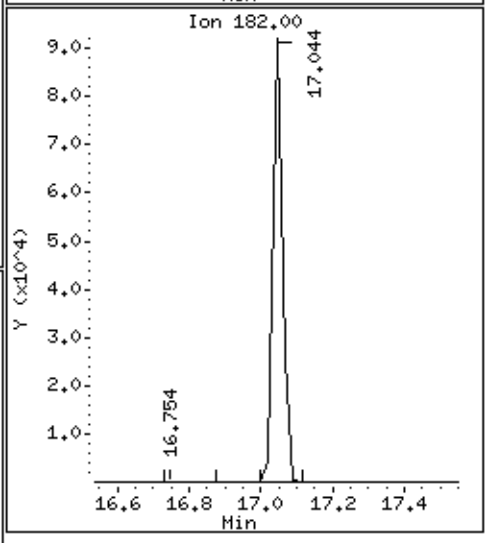
49 1,2,3-Trichlorobenzene

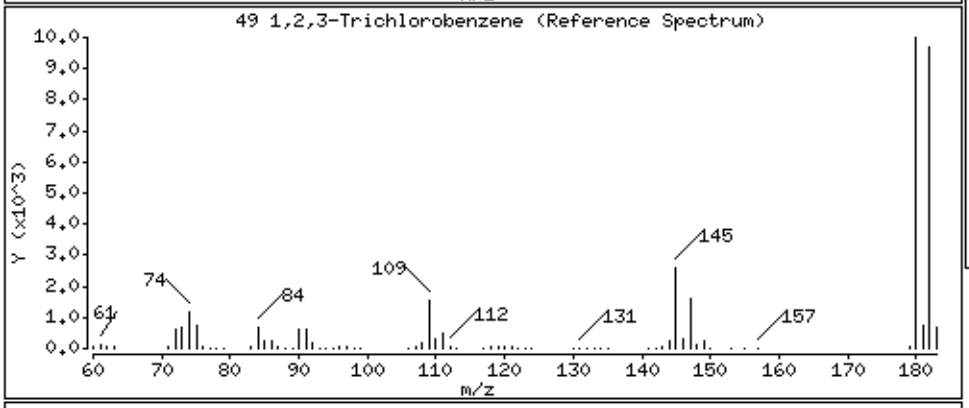
Concentration: 4.79768 ug

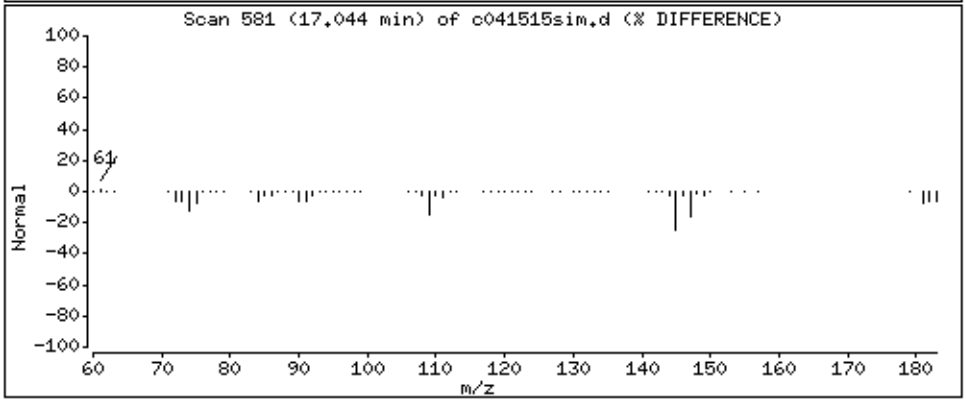












Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041503sim.d
Lab Smp Id: 2595-224-0.05>0.025 Client Smp ID: Level 1
Inj Date : 15-APR-2015 08:54
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-0.05>0.025;Level 1
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 08:54 Cal File: c041503sim.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: mpxylene.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 27 2-Fluorotoluene	109	10.993	10.994	(1.000)	341288	5.00000	
$ 25 Toluene-d8	98	10.656	10.656	(0.969)	288025	5.00000	5.12714(A)
33 m,p-Xylene	106	12.506	12.506	(1.138)	2521	0.05000	0.0577387

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041503sim.d
Lab Smp Id: 2595-224-0.05>0.025
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 1
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	341288	7.16

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041503sim.d

Date : 15-APR-2015 08:54

Client ID: Level 1

Instrument: msdc.i

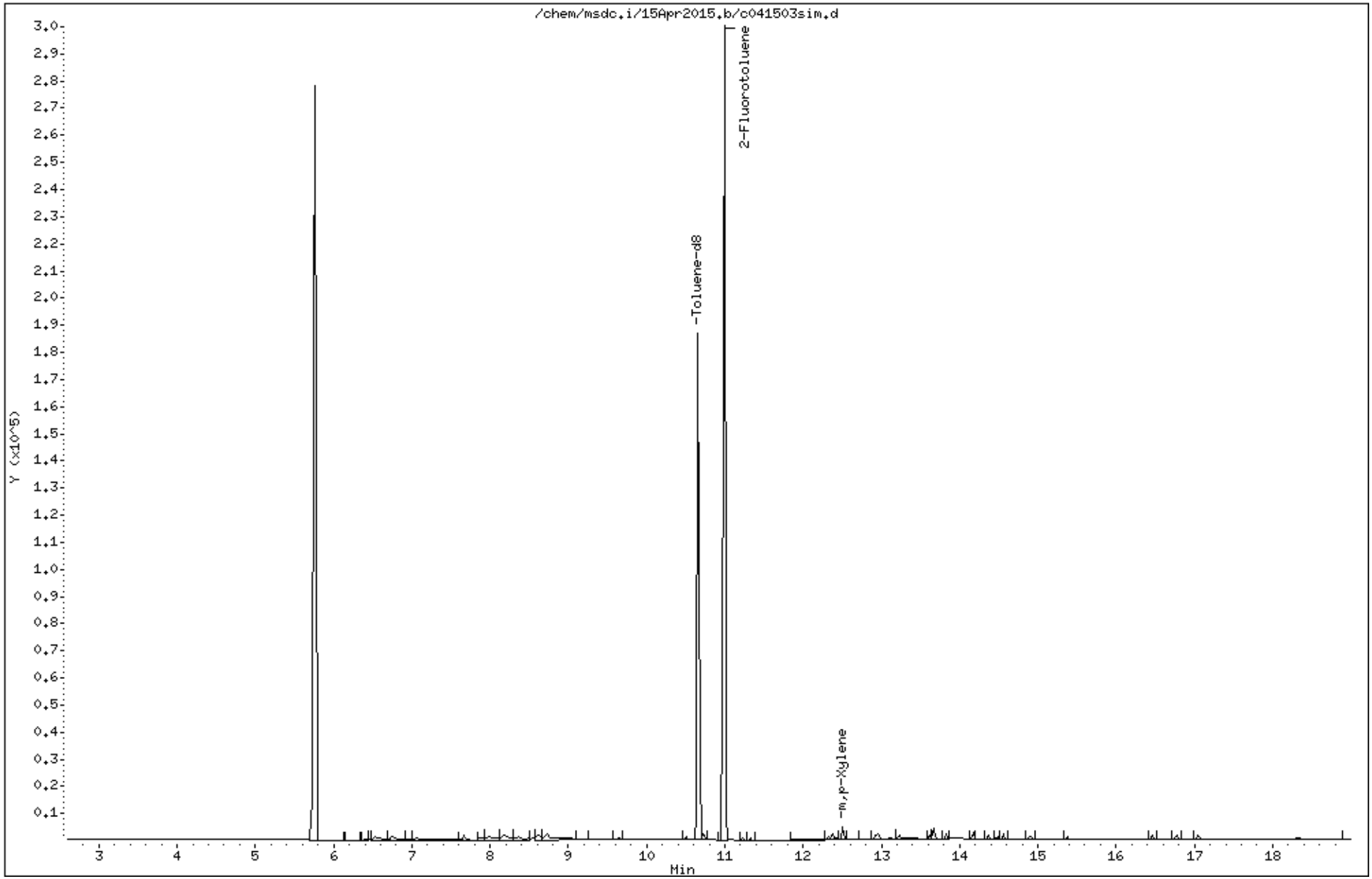
Sample Info: ;2595-224-0.05>0.025;Level 1

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041504sim.d
Lab Smp Id: 2595-224-0.05 Client Smp ID: Level 2
Inj Date : 15-APR-2015 09:18
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-0.05;Level 2
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 09:18 Cal File: c041504sim.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 0.05.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
7	MTBE	73	6.555	6.528	(0.596)	2413	0.05000	0.0602257
9	Hexane	57	6.775	6.775	(0.616)	2806	0.05000	0.0678496
10	Halothane	117	6.985	6.985	(0.635)	550	0.05000	0.0605558
11	1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	1738	0.05000	0.0572546
14	cis-1,2-Dichloroethene	96	7.684	7.684	(0.699)	921	0.05000	0.0612391
13	2-Butanone	72	7.684	7.662	(0.699)	540	0.05000	0.0585307
15	Chloroform-CCC	83	7.987	7.987	(0.726)	1477	0.05000	0.0577329
16	Cyclohexane	84	8.203	8.203	(0.746)	1563	0.05000	0.0605112
17	1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	1503	0.05000	0.0633273
18	Carbon Tetrachloride	117	8.357	8.357	(0.760)	1501	0.05000	0.0629328
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	1683	0.05000	0.0630471
21	Heptane	71	8.727	8.727	(0.794)	1340	0.05000	0.0616142
22	Trichloroethene	130	9.331	9.331	(0.849)	1128	0.05000	0.0588180
23	Methyl Methacrylate	69	9.644	9.644	(0.877)	1129	0.05000	0.0592428
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	282840	5.00000	5.13697
26	Toluene-CCC	92	10.729	10.728	(0.976)	3294	0.05000	0.0692599

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
*	27 2-Fluorotoluene	109	10.994	10.994	(1.000)	334503	5.00000	
	28 1,1,2-Trichloroethane	97	11.235	11.235	(1.022)	1148	0.05000	0.0599631
	29 Tetrachloroethene	164	11.331	11.331	(1.031)	1344	0.05000	0.0614266
	30 Chlorobenzene	112	12.325	12.325	(1.121)	3419	0.05000	0.0606926
	31 Ethylbenzene-CCC	106	12.377	12.377	(1.126)	1860	0.05000	0.0608202
	32 1,1,1,2-Tetrachloroethane	131	12.403	12.428	(1.128)	1166	0.05000	0.0583617(a)
	33 m,p-Xylene	106	12.506	12.506	(1.138)	5117	0.10000	0.119572
	34 o-Xylene	106	12.956	12.956	(1.178)	1881	0.05000	0.0553072
	35 Styrene	104	12.956	12.956	(1.178)	3492	0.05000	0.0611190(a)
	36 a-Pinene	93	13.230	13.230	(1.203)	2329	0.05000	0.0583722
	37 1,1,2,2-Tetrachloroethane-SPC	83	13.615	13.615	(1.238)	2418	0.05000	0.0577260
	38 Propylbenzene	91	13.670	13.669	(1.243)	9114	0.05000	0.0558913
	39 1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	954	0.05000	0.0582813(aM)
	40 1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	4244	0.05000	0.0552776
	41 1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	5544	0.05000	0.0572594
	42 R-(+)-Limonene	68	14.367	14.367	(1.307)	2327	0.05000	0.0574512
	43 1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	3015	0.05000	0.0572285
	44 1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	4029	0.05000	0.0589513
	45 1,2-Dichlorobenzene	146	14.898	14.898	(1.355)	2805	0.05000	0.0578958
	46 1,4-Dithiane	120	15.380	15.380	(1.399)	2205	0.05000	0.0566707
	47 1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	3168	0.05000	0.0575200
	48 Naphthalene	128	16.779	16.778	(1.526)	6829	0.05000	0.0561900
	49 1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	3113	0.05000	0.0570158

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041504sim.d
Lab Smp Id: 2595-224-0.05
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 2
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	334503	5.03

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041504sim.d

Page 1

Date : 15-APR-2015 09:18

Client ID: Level 2

Instrument: msdc.i

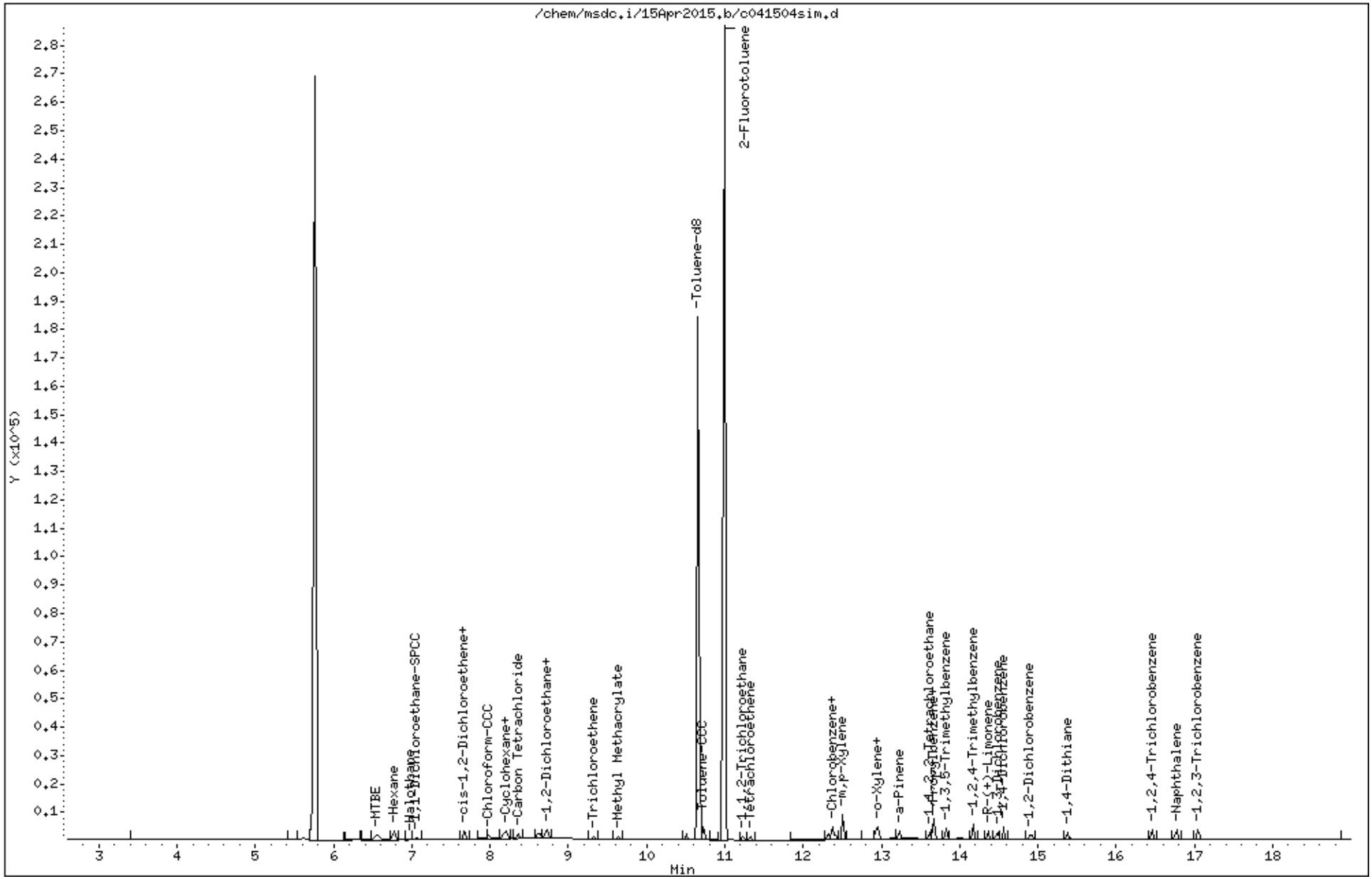
Sample Info: ;2595-224-0.05;Level 2

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041505sim.d
Lab Smp Id: 2595-224-0.10 Client Smp ID: Level 3
Inj Date : 15-APR-2015 09:43
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-0.10;Level 3
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 09:43 Cal File: c041505sim.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 0.1.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 Chloromethane	50	3.228	3.227	(0.294)	519	0.10000	0.0784988(a)
2 Vinyl Chloride	62	3.444	3.444	(0.313)	1241	0.10000	0.0930687(a)
3 Ethanol	45	5.010	4.985	(0.456)	627	0.10000	0.106564
4 1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	902	0.10000	0.110092
5 Acetone	58	5.611	5.588	(0.510)	1005	0.10000	0.111332
7 MTBE	73	6.528	6.528	(0.594)	4227	0.10000	0.114185
8 trans-1,2-Dichloroethene	96	6.583	6.583	(0.599)	1667	0.10000	0.129957
9 Hexane	57	6.748	6.775	(0.614)	3937	0.10000	0.103033
10 Halothane	117	6.961	6.985	(0.633)	888	0.10000	0.105818
11 1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	3210	0.10000	0.114451
12 Ethyl Acetate	70	7.662	7.662	(0.697)	445	0.10000	0.114675
13 2-Butanone	72	7.662	7.662	(0.697)	921	0.10000	0.108044
14 cis-1,2-Dichloroethene	96	7.684	7.684	(0.699)	1640	0.10000	0.118023
15 Chloroform-CCC	83	7.987	7.987	(0.727)	2768	0.10000	0.117101
16 Cyclohexane	84	8.172	8.203	(0.743)	2629	0.10000	0.110159
17 1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	2394	0.10000	0.109171

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
18	Carbon Tetrachloride	117	8.357	8.357	(0.760)	2405	0.10000	0.109135
19	Benzene	78	8.603	8.603	(0.783)	6613	0.10000	0.123204
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	2747	0.10000	0.111376
21	Heptane	71	8.727	8.727	(0.794)	2178	0.10000	0.108389
22	Trichloroethene	130	9.331	9.331	(0.849)	1935	0.10000	0.109203
23	Methyl Methacrylate	69	9.644	9.644	(0.877)	1893	0.10000	0.107509
24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	741	0.10000	0.106894
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	252238	5.00000	4.95826
26	Toluene-CCC	92	10.729	10.728	(0.976)	4797	0.10000	0.109164
* 27	2-Fluorotoluene	109	10.994	10.994	(1.000)	309063	5.00000	
28	1,1,2-Trichloroethane	97	11.235	11.235	(1.022)	1979	0.10000	0.111877
29	Tetrachloroethene	164	11.331	11.331	(1.031)	2209	0.10000	0.109271
30	Chlorobenzene	112	12.325	12.325	(1.121)	5659	0.10000	0.108725
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	3068	0.10000	0.108578
32	1,1,1,2-Tetrachloroethane	131	12.429	12.428	(1.131)	1979	0.10000	0.107208(M)
33	m,p-Xylene	106	12.506	12.506	(1.138)	8692	0.20000	0.219830
34	o-Xylene	106	12.956	12.956	(1.178)	3278	0.10000	0.104317
35	Styrene	104	12.956	12.956	(1.178)	5681	0.10000	0.107617
36	a-Pinene	93	13.230	13.230	(1.203)	3902	0.10000	0.105847
37	1,1,2,2-Tetrachloroethane-SPC	83	13.615	13.615	(1.238)	4381	0.10000	0.113199
38	Propylbenzene	91	13.670	13.669	(1.243)	16106	0.10000	0.106900
39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	1722	0.10000	0.113859
40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	7340	0.10000	0.103472
41	1,2,4-Trimethylbenzene	105	14.175	14.174	(1.289)	9605	0.10000	0.107368
42	R-(+)-Limonene	68	14.367	14.367	(1.307)	3975	0.10000	0.106217
43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	5002	0.10000	0.102760
44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	6828	0.10000	0.108129
45	1,2-Dichlorobenzene	146	14.898	14.898	(1.355)	4787	0.10000	0.106938
46	1,4-Dithiane	120	15.380	15.380	(1.399)	3726	0.10000	0.103644
47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	5382	0.10000	0.105762
48	Naphthalene	128	16.779	16.778	(1.526)	11814	0.10000	0.105209
49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	5381	0.10000	0.106667

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 15-Apr-2015 13:38

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041505sim.d
Lab Smp Id: 2595-224-0.10
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 3
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	309063	-2.96

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041505sim.d

Page 1

Date : 15-APR-2015 09:43

Client ID: Level 3

Instrument: msdc.i

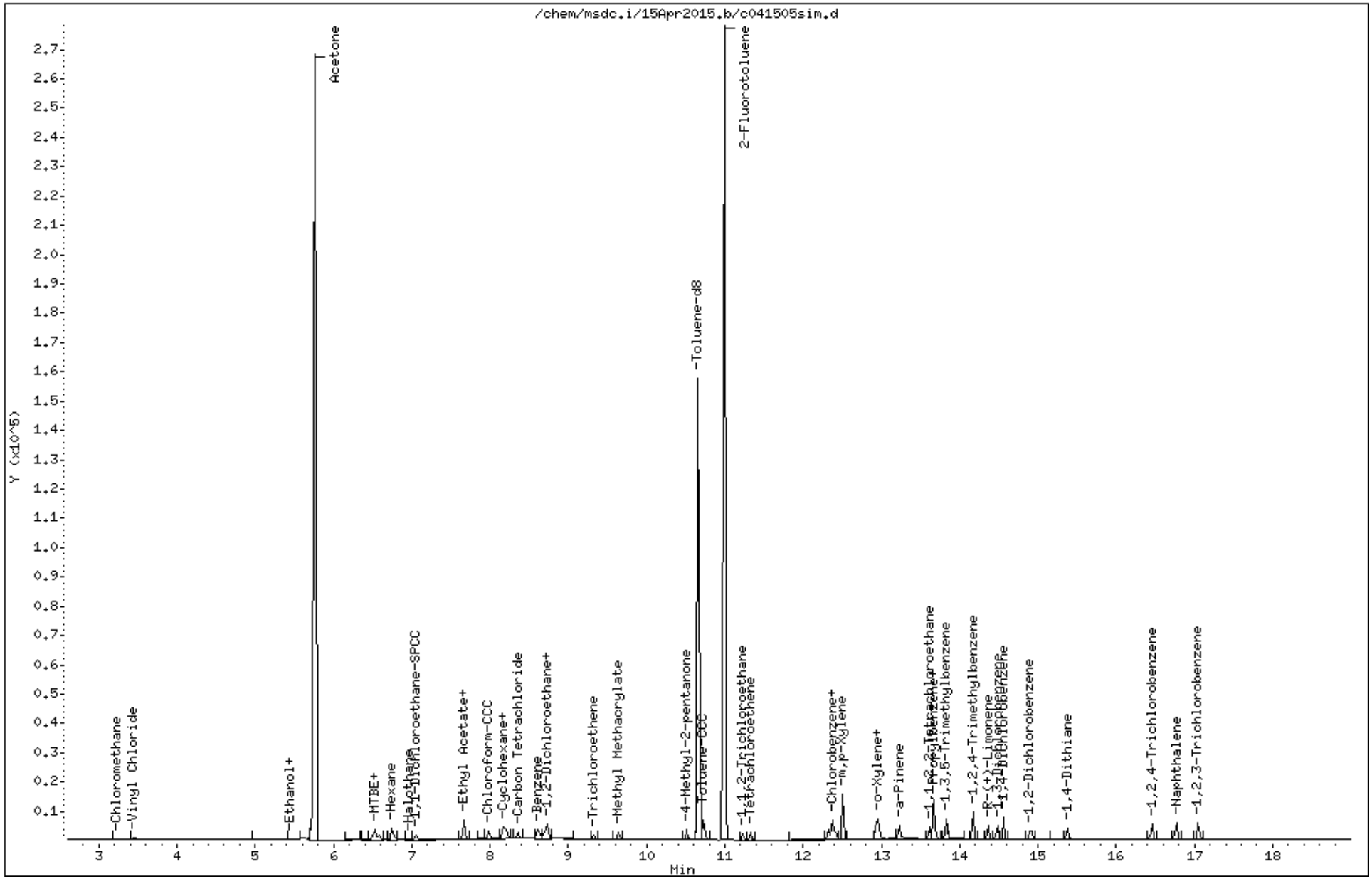
Sample Info: ;2595-224-0.10;Level 3

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041506sim.d
Lab Smp Id: 2595-224-0.20 Client Smp ID: Level 4
Inj Date : 15-APR-2015 10:07
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-0.20;Level 4
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 10:07 Cal File: c041506sim.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 0.2.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1 Chloromethane	50	3.227	3.227	(0.294)	1038	0.20000	0.176979
2 Vinyl Chloride	62	3.444	3.444	(0.313)	2606	0.20000	0.220310
3 Ethanol	45	5.009	4.985	(0.456)	988	0.20000	0.189290
4 1,1-Dichloroethene-CCC	96	5.476	5.454	(0.498)	1259	0.20000	0.173222
5 Acetone	58	5.611	5.588	(0.510)	1553	0.20000	0.193934
7 MTBE	73	6.528	6.528	(0.594)	6270	0.20000	0.190930
8 trans-1,2-Dichloroethene	96	6.555	6.583	(0.596)	2195	0.20000	0.192898
9 Hexane	57	6.748	6.775	(0.614)	7639	0.20000	0.225360
10 Halothane	117	6.961	6.985	(0.633)	1411	0.20000	0.189540
11 1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	4682	0.20000	0.188180
12 Ethyl Acetate	70	7.662	7.662	(0.697)	627	0.20000	0.182140
13 2-Butanone	72	7.662	7.662	(0.697)	1426	0.20000	0.188578
14 cis-1,2-Dichloroethene	96	7.662	7.684	(0.697)	2249	0.20000	0.182448
15 Chloroform-CCC	83	7.987	7.987	(0.726)	3922	0.20000	0.187039
16 Cyclohexane	84	8.172	8.203	(0.743)	4067	0.20000	0.192102
17 1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	3367	0.20000	0.173084

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
18	Carbon Tetrachloride	117	8.357	8.357	(0.760)	3400	0.20000	0.173923
19	Benzene	78	8.603	8.603	(0.783)	10017	0.20000	0.210374
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	4202	0.20000	0.192052
21	Heptane	71	8.727	8.727	(0.794)	3262	0.20000	0.182996
22	Trichloroethene	130	9.331	9.331	(0.849)	2906	0.20000	0.184875
23	Methyl Methacrylate	69	9.644	9.644	(0.877)	2820	0.20000	0.180540
24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	1085	0.20000	0.176439
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	221629	5.00000	4.91105
26	Toluene-CCC	92	10.728	10.728	(0.976)	7057	0.20000	0.181034
* 27	2-Fluorotoluene	109	10.994	10.994	(1.000)	274169	5.00000	
28	1,1,2-Trichloroethane	97	11.235	11.235	(1.022)	2889	0.20000	0.184108
29	Tetrachloroethene	164	11.331	11.331	(1.031)	3261	0.20000	0.181840
30	Chlorobenzene	112	12.325	12.325	(1.121)	8402	0.20000	0.181970
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	4526	0.20000	0.180564
32	1,1,1,2-Tetrachloroethane	131	12.428	12.428	(1.131)	2890	0.20000	0.176485
33	m,p-Xylene	106	12.506	12.506	(1.138)	12837	0.40000	0.365982
34	o-Xylene	106	12.956	12.956	(1.178)	4964	0.20000	0.178076
35	Styrene	104	12.956	12.956	(1.178)	8077	0.20000	0.172478
36	a-Pinene	93	13.230	13.230	(1.203)	5653	0.20000	0.172861
37	1,1,2,2-Tetrachloroethane-SPC	83	13.615	13.615	(1.238)	6358	0.20000	0.185190
38	Propylbenzene	91	13.669	13.669	(1.243)	23974	0.20000	0.179373
39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	2416	0.20000	0.180078(M)
40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	10889	0.20000	0.173039
41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	14570	0.20000	0.183596
42	R-(+)-Limonene	68	14.367	14.367	(1.307)	5741	0.20000	0.172931
43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	7632	0.20000	0.176744
44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	10340	0.20000	0.184586
45	1,2-Dichlorobenzene	146	14.898	14.898	(1.355)	7066	0.20000	0.177938
46	1,4-Dithiane	120	15.380	15.380	(1.399)	5479	0.20000	0.171804
47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	8180	0.20000	0.181204
48	Naphthalene	128	16.778	16.778	(1.526)	18252	0.20000	0.183229
49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	8153	0.20000	0.182186

QC Flag Legend

M - Compound response manually integrated.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041506sim.d
Lab Smp Id: 2595-224-0.20
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 4
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	274169	-13.91

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041506sim.d

Date : 15-APR-2015 10:07

Client ID: Level 4

Instrument: msdc.i

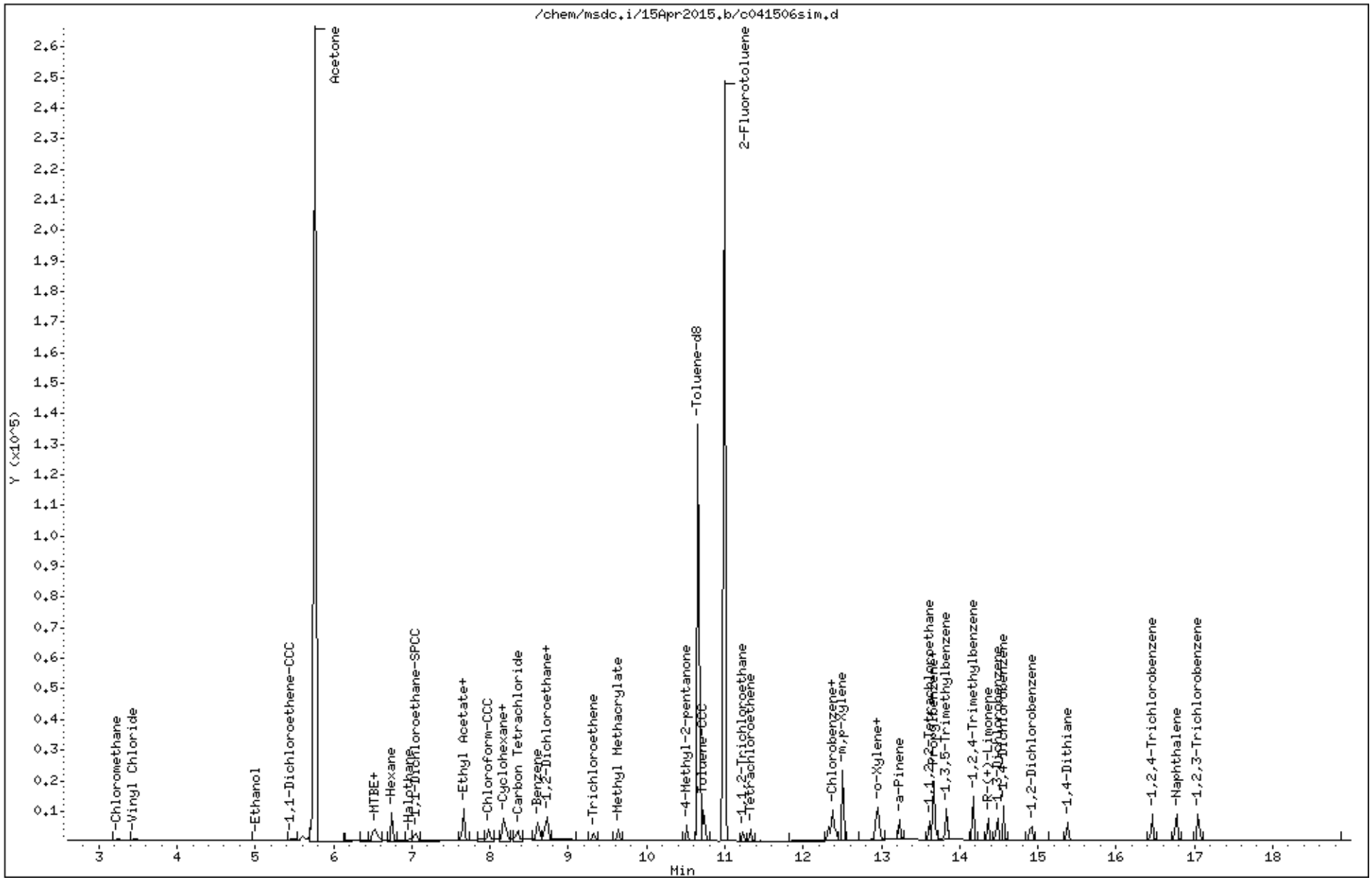
Sample Info: ;2595-224-0.20;Level 4

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041507sim.d
Lab Smp Id: 2595-224-0.50 Client Smp ID: Level 5
Inj Date : 15-APR-2015 10:31
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-0.50;Level 5
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 10:31 Cal File: c041507sim.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-2Pr.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.227	(0.294)	3576	0.50000	0.520609
2	Vinyl Chloride	62	3.444	3.444	(0.313)	6765	0.50000	0.488336
3	Ethanol	45	5.010	4.985	(0.456)	3376	0.50000	0.552286
4	1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	4496	0.50000	0.528194
5	Acetone	58	5.611	5.588	(0.510)	5236	0.50000	0.558306
7	MTBE	73	6.528	6.528	(0.594)	22644	0.50000	0.588776
8	trans-1,2-Dichloroethene	96	6.583	6.583	(0.599)	8168	0.50000	0.612915
9	Hexane	57	6.775	6.775	(0.616)	21651	0.50000	0.545393
10	Halothane	117	6.985	6.985	(0.635)	5043	0.50000	0.578434
11	1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	17572	0.50000	0.603051
12	Ethyl Acetate	70	7.662	7.662	(0.697)	2446	0.50000	0.606715
13	2-Butanone	72	7.662	7.662	(0.697)	5272	0.50000	0.595302
14	cis-1,2-Dichloroethene	96	7.684	7.684	(0.699)	8544	0.50000	0.591837
15	Chloroform-CCC	83	7.987	7.987	(0.726)	15063	0.50000	0.613375
16	Cyclohexane	84	8.203	8.203	(0.746)	15032	0.50000	0.606270
17	1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	14137	0.50000	0.620527

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	18	Carbon Tetrachloride	117	8.357	8.357	(0.760)	14315	0.50000	0.625258
	19	Benzene	78	8.603	8.603	(0.783)	33858	0.50000	0.607163
	20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	15185	0.50000	0.592608
	21	Heptane	71	8.727	8.727	(0.794)	12022	0.50000	0.575870
	22	Trichloroethene	130	9.331	9.331	(0.849)	11131	0.50000	0.604655
	23	Methyl Methacrylate	69	9.644	9.644	(0.877)	10879	0.50000	0.594706
	24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	4435	0.50000	0.615814
$	25	Toluene-d8	98	10.656	10.656	(0.969)	262733	5.00000	4.97110
	26	Toluene-CCC	92	10.729	10.728	(0.976)	27743	0.50000	0.607692
*	27	2-Fluorotoluene	109	10.994	10.994	(1.000)	321091	5.00000	
	28	1,1,2-Trichloroethane	97	11.235	11.235	(1.022)	11298	0.50000	0.614774
	29	Tetrachloroethene	164	11.331	11.331	(1.031)	12801	0.50000	0.609499
	30	Chlorobenzene	112	12.325	12.325	(1.121)	33633	0.50000	0.621976
	31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	18450	0.50000	0.628497
	32	1,1,1,2-Tetrachloroethane	131	12.428	12.428	(1.131)	11859	0.50000	0.618371
	33	m,p-Xylene	106	12.506	12.506	(1.138)	51931	1.00000	1.26419
	34	o-Xylene	106	12.956	12.956	(1.178)	19334	0.50000	0.592225
	35	Styrene	104	12.956	12.956	(1.178)	33111	0.50000	0.603734
	36	a-Pinene	93	13.230	13.230	(1.203)	22688	0.50000	0.592386
	37	1,1,2,2-Tetrachloroethane-SPC	83	13.615	13.615	(1.238)	25202	0.50000	0.626790
	38	Propylbenzene	91	13.670	13.669	(1.243)	96480	0.50000	0.616374
	39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	10155	0.50000	0.646298
	40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	45269	0.50000	0.614252
	41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	58680	0.50000	0.631372
	42	R-(+)-Limonene	68	14.367	14.367	(1.307)	23076	0.50000	0.593520
	43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	30040	0.50000	0.594015
	44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	40920	0.50000	0.623740
	45	1,2-Dichlorobenzene	146	14.898	14.898	(1.355)	28143	0.50000	0.605140
	46	1,4-Dithiane	120	15.380	15.380	(1.399)	22059	0.50000	0.590620
	47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	31074	0.50000	0.587763
	48	Naphthalene	128	16.778	16.778	(1.526)	68728	0.50000	0.589125
	49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	31077	0.50000	0.592962

Report Date: 15-Apr-2015 13:38

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041507sim.d
Lab Smp Id: 2595-224-0.50
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 5
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	321091	0.82

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041507sim.d

Date : 15-APR-2015 10:31

Client ID: Level 5

Instrument: msdc.i

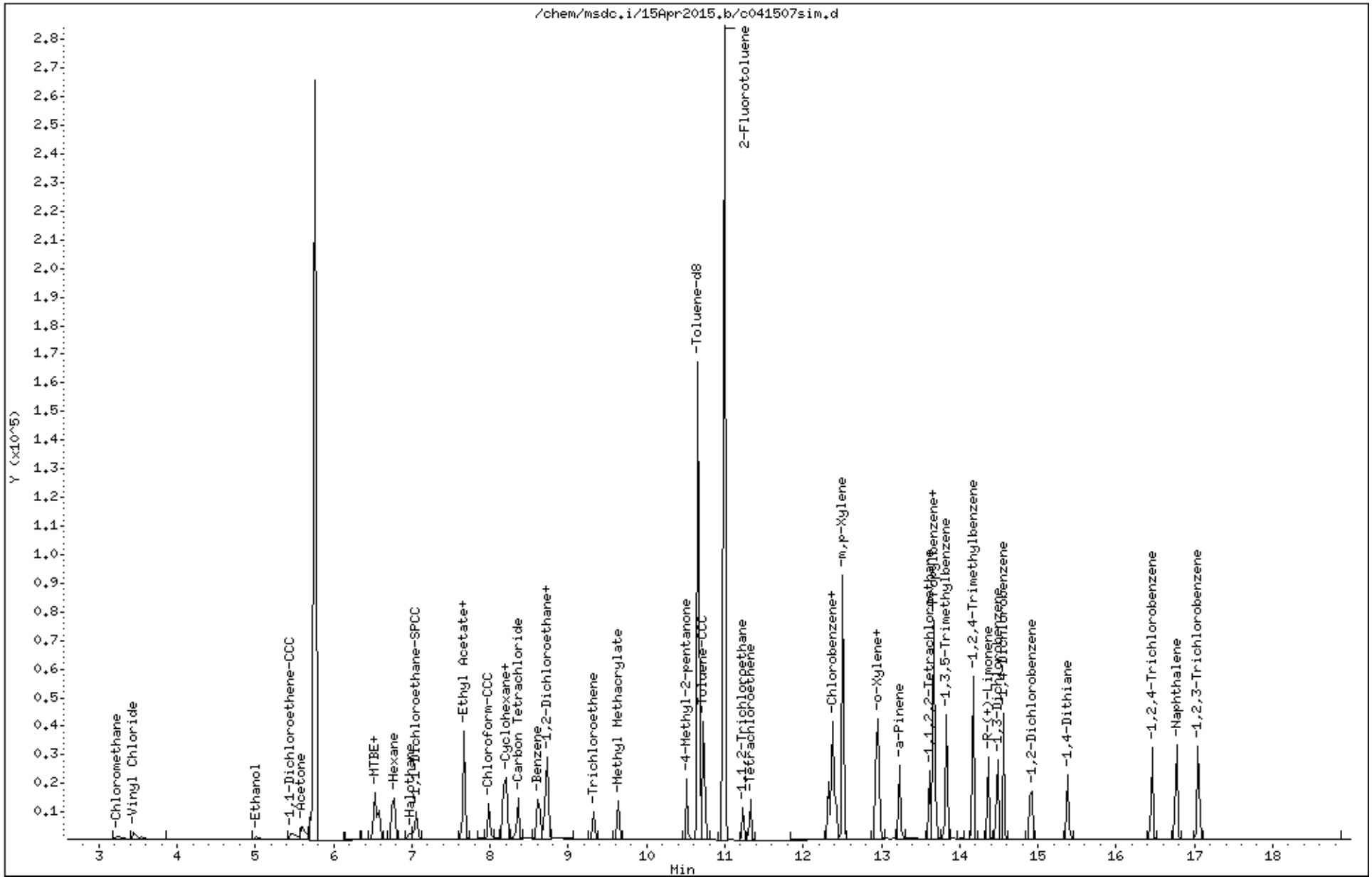
Sample Info: ;2595-224-0.50;Level 5

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041508sim.d
Lab Smp Id: 2595-224-1.0 Client Smp ID: Level 6
Inj Date : 15-APR-2015 10:59
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-1.0;Level 6
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 10:59 Cal File: c041508sim.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-2Pr.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1 Chloromethane	50	3.227	3.227	(0.294)	6022	1.00000	1.05617
2 Vinyl Chloride	62	3.444	3.444	(0.313)	12684	1.00000	1.10302
3 Ethanol	45	5.009	4.985	(0.456)	6063	1.00000	1.19489
4 1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	7491	1.00000	1.06019
5 Acetone	58	5.611	5.588	(0.510)	9079	1.00000	1.16624
7 MTBE	73	6.528	6.528	(0.594)	35100	1.00000	1.09946
8 trans-1,2-Dichloroethene	96	6.555	6.583	(0.596)	11615	1.00000	1.04998
9 Hexane	57	6.747	6.775	(0.614)	44588	1.00000	1.35309
10 Halothane	117	6.960	6.985	(0.633)	8351	1.00000	1.15393
11 1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	27305	1.00000	1.12889
12 Ethyl Acetate	70	7.662	7.662	(0.697)	3713	1.00000	1.10951
13 2-Butanone	72	7.662	7.662	(0.697)	8133	1.00000	1.10634
14 cis-1,2-Dichloroethene	96	7.662	7.684	(0.697)	12935	1.00000	1.07940
15 Chloroform-CCC	83	7.987	7.987	(0.726)	21863	1.00000	1.07251
16 Cyclohexane	84	8.172	8.203	(0.743)	23103	1.00000	1.12252
17 1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	18959	1.00000	1.00253

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	18	Carbon Tetrachloride	117	8.357	8.357	(0.760)	18590	1.00000	0.978193
	19	Benzene	78	8.603	8.603	(0.783)	54204	1.00000	1.17099
	20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	23152	1.00000	1.08848
	21	Heptane	71	8.727	8.727	(0.794)	18866	1.00000	1.08869
	22	Trichloroethene	130	9.331	9.331	(0.849)	15791	1.00000	1.03338
	23	Methyl Methacrylate	69	9.644	9.644	(0.877)	15604	1.00000	1.02760
	24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	6333	1.00000	1.05936
$	25	Toluene-d8	98	10.656	10.656	(0.969)	215014	5.00000	4.90097
	26	Toluene-CCC	92	10.728	10.728	(0.976)	38860	1.00000	1.02544
*	27	2-Fluorotoluene	109	10.994	10.994	(1.000)	266533	5.00000	
	28	1,1,2-Trichloroethane	97	11.235	11.235	(1.022)	15897	1.00000	1.04209
	29	Tetrachloroethene	164	11.331	11.331	(1.031)	18084	1.00000	1.03729
	30	Chlorobenzene	112	12.325	12.325	(1.121)	47474	1.00000	1.05765
	31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	25719	1.00000	1.05545
	32	1,1,1,2-Tetrachloroethane	131	12.428	12.428	(1.131)	16834	1.00000	1.05746
	33	m,p-Xylene	106	12.506	12.506	(1.138)	72627	2.00000	2.12991
	34	o-Xylene	106	12.956	12.956	(1.178)	27513	1.00000	1.01527
	35	Styrene	104	12.956	12.956	(1.178)	47091	1.00000	1.03440
	36	a-Pinene	93	13.230	13.230	(1.203)	32298	1.00000	1.01592
	37	1,1,2,2-Tetrachloroethane-SPC	83	13.615	13.615	(1.238)	35917	1.00000	1.07613
	38	Propylbenzene	91	13.669	13.669	(1.243)	137119	1.00000	1.05531
	39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	14140	1.00000	1.08412
	40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	62387	1.00000	1.01980
	41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	83021	1.00000	1.07612
	42	R-(+)-Limonene	68	14.367	14.367	(1.307)	33064	1.00000	1.02449
	43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	43323	1.00000	1.03203
	44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	58939	1.00000	1.08230
	45	1,2-Dichlorobenzene	146	14.898	14.898	(1.355)	40248	1.00000	1.04257
	46	1,4-Dithiane	120	15.380	15.380	(1.399)	31831	1.00000	1.02671
	47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	46152	1.00000	1.05165
	48	Naphthalene	128	16.778	16.778	(1.526)	104522	1.00000	1.07934
	49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	46169	1.00000	1.06124

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041508sim.d
Lab Smp Id: 2595-224-1.0
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 6
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	266533	-16.31

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041508sim.d

Date : 15-APR-2015 10:59

Client ID: Level 6

Instrument: msdc.i

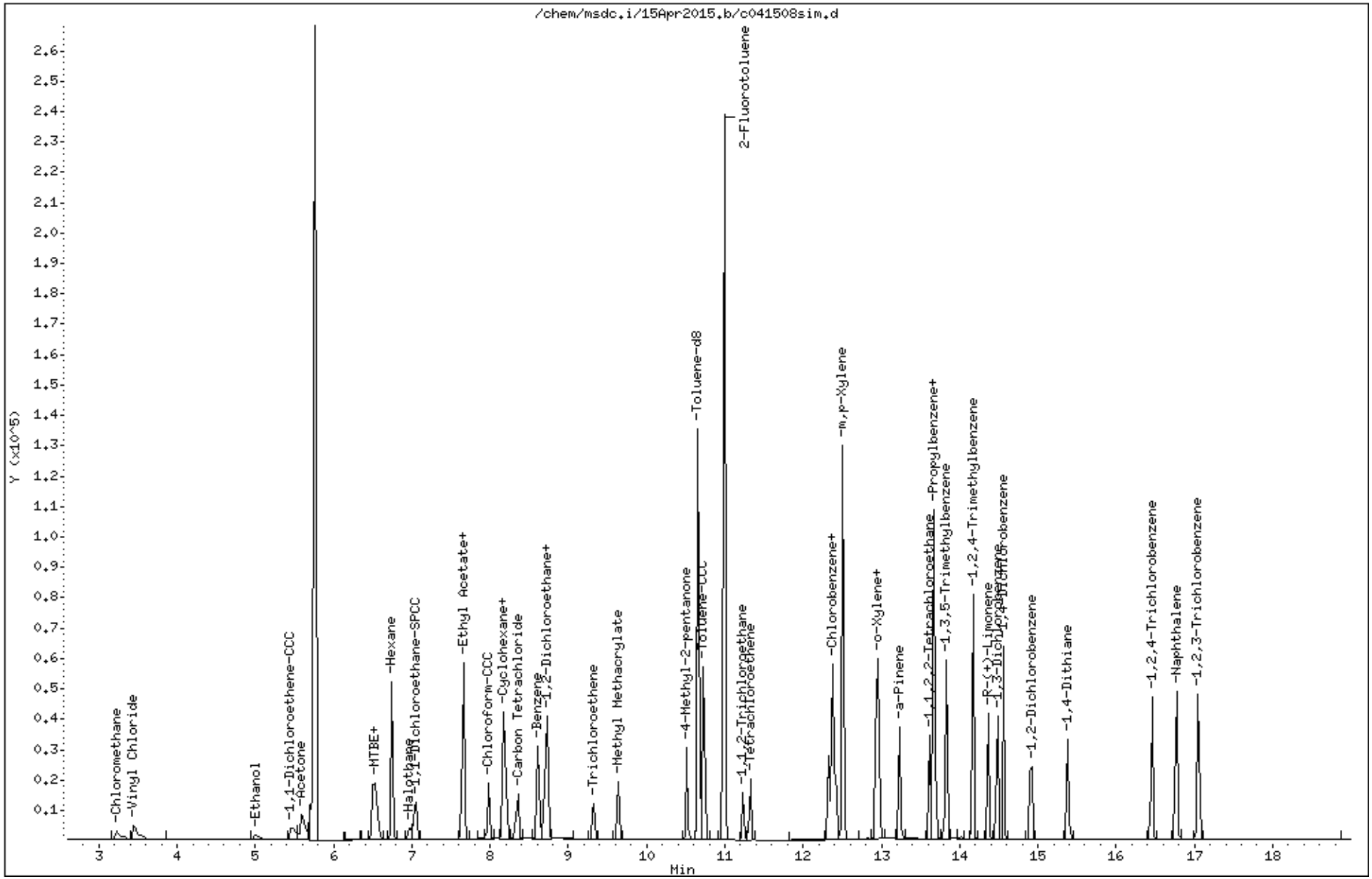
Sample Info: ;2595-224-1.0;Level 6

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041509sim.d
Lab Smp Id: 2595-224-5.0 Client Smp ID: Level 7
Inj Date : 15-APR-2015 11:23
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-5.0;Level 7
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 14:12 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-2Pr.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.227	(0.294)	40089	5.00000	5.88424
2	Vinyl Chloride	62	3.444	3.444	(0.313)	87555	5.00000	6.37206
3	Ethanol	45	4.985	4.985	(0.453)	34373	5.00000	5.66935
4	1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	54955	5.00000	6.50912
5	Acetone	58	5.588	5.588	(0.508)	51143	5.00000	5.49783
7	MTBE	73	6.528	6.528	(0.594)	210622	5.00000	5.52139
8	trans-1,2-Dichloroethene	96	6.583	6.583	(0.599)	74374	5.00000	5.62669
9	Hexane	57	6.775	6.775	(0.616)	194153	5.00000	4.93085
10	Halothane	117	6.985	6.985	(0.635)	47556	5.00000	5.49946
11	1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	162270	5.00000	5.61460
12	Ethyl Acetate	70	7.662	7.662	(0.697)	23105	5.00000	5.77804
13	2-Butanone	72	7.662	7.662	(0.697)	49211	5.00000	5.60236
14	cis-1,2-Dichloroethene	96	7.684	7.684	(0.699)	79542	5.00000	5.55503
15	Chloroform-CCC	83	7.987	7.987	(0.726)	139058	5.00000	5.70896
16	Cyclohexane	84	8.203	8.203	(0.746)	132916	5.00000	5.40474
17	1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	131857	5.00000	5.83517

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	18	Carbon Tetrachloride	117	8.357	8.357	(0.760)	132569	5.00000	5.83792
	19	Benzene	78	8.603	8.603	(0.783)	304361	5.00000	5.50276
	20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	139116	5.00000	5.47365
	21	Heptane	71	8.727	8.727	(0.794)	108147	5.00000	5.22290
	22	Trichloroethene	130	9.331	9.331	(0.849)	103043	5.00000	5.64337
	23	Methyl Methacrylate	69	9.644	9.644	(0.877)	101479	5.00000	5.59293
	24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	41167	5.00000	5.76314
$	25	Toluene-d8	98	10.656	10.656	(0.969)	261326	5.00000	4.98503
	26	Toluene-CCC	92	10.728	10.728	(0.976)	249020	5.00000	5.49935
*	27	2-Fluorotoluene	109	10.994	10.994	(1.000)	318479	5.00000	
	28	1,1,2-Trichloroethane	97	11.235	11.235	(1.022)	101269	5.00000	5.55569
	29	Tetrachloroethene	164	11.331	11.331	(1.031)	115830	5.00000	5.56030
	30	Chlorobenzene	112	12.325	12.325	(1.121)	301741	5.00000	5.62587
	31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	166862	5.00000	5.73076
	32	1,1,1,2-Tetrachloroethane	131	12.428	12.428	(1.131)	106723	5.00000	5.61056
	33	m,p-Xylene	106	12.506	12.506	(1.138)	480831	10.0000	11.8012
	34	o-Xylene	106	12.956	12.956	(1.178)	180208	5.00000	5.56527
	35	Styrene	104	12.956	12.956	(1.178)	308828	5.00000	5.67724
	36	a-Pinene	93	13.230	13.230	(1.203)	215924	5.00000	5.68404
	37	1,1,2,2-Tetrachloroethane-SPC	83	13.615	13.615	(1.238)	229561	5.00000	5.75616
	38	Propylbenzene	91	13.669	13.669	(1.243)	884144	5.00000	5.69477
	39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	89887	5.00000	5.76762
	40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	395450	5.00000	5.40983
	41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	529890	5.00000	5.74814
	42	R-(+)-Limonene	68	14.367	14.367	(1.307)	225131	5.00000	5.83791
	43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	276081	5.00000	5.50404
	44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	380992	5.00000	5.85504
	45	1,2-Dichlorobenzene	146	14.898	14.898	(1.355)	258441	5.00000	5.60266
	46	1,4-Dithiane	120	15.380	15.380	(1.399)	205369	5.00000	5.54376
	47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	287242	5.00000	5.47772
	48	Naphthalene	128	16.778	16.778	(1.526)	656027	5.00000	5.66947
	49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	293672	5.00000	5.64934

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041509sim.d
Lab Smp Id: 2595-224-5.0
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 7
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	318479	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041509sim.d

Date : 15-APR-2015 11:23

Client ID: Level 7

Instrument: msdc.i

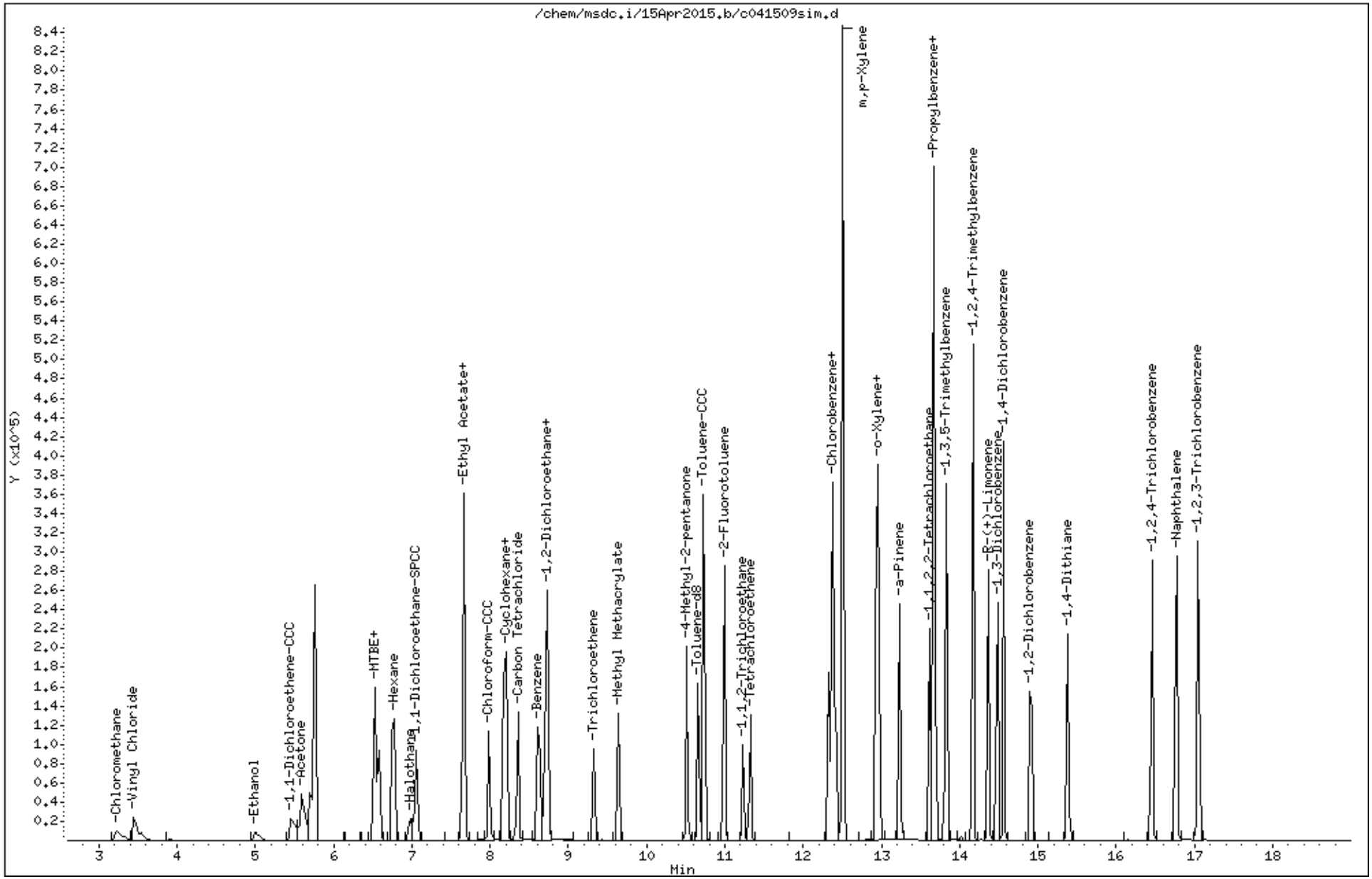
Sample Info: ;2595-224-5.0;Level 7

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041510sim.d
Lab Smp Id: 2595-224-20 Client Smp ID: Level 8
Inj Date : 15-APR-2015 11:47
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-20;Level 8
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:47 Cal File: c041510sim.d
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-2Pr.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1 Chloromethane	50	3.227	3.227	(0.294)	139655	20.0000	21.1179
2 Vinyl Chloride	62	3.444	3.444	(0.313)	287192	20.0000	21.5329
3 Ethanol	45	4.985	4.985	(0.453)	116074	20.0000	19.7232
4 1,1-Dichloroethene-CCC	96	5.476	5.454	(0.498)	175366	20.0000	21.3990
5 Acetone	58	5.588	5.588	(0.508)	174693	20.0000	19.3476
7 MTBE	73	6.528	6.528	(0.594)	669756	20.0000	18.0881
8 trans-1,2-Dichloroethene	96	6.583	6.583	(0.599)	233957	20.0000	18.2348
9 Hexane	57	6.775	6.775	(0.616)	592483	20.0000	15.5020
10 Halothane	117	6.985	6.985	(0.635)	152042	20.0000	18.1137
11 1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	509141	20.0000	18.1489
12 Ethyl Acetate	70	7.662	7.662	(0.697)	72616	20.0000	18.7086
13 2-Butanone	72	7.662	7.662	(0.697)	156211	20.0000	18.3212
14 cis-1,2-Dichloroethene	96	7.684	7.684	(0.699)	248482	20.0000	17.8779
15 Chloroform-CCC	83	7.987	7.987	(0.726)	430139	20.0000	18.1930
16 Cyclohexane	84	8.203	8.203	(0.746)	403998	20.0000	16.9242
17 1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	401235	20.0000	18.2929

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
18	Carbon Tetrachloride	117	8.357	8.357	(0.760)	401783	20.0000	18.2280
19	Benzene	78	8.603	8.603	(0.783)	932698	20.0000	17.3726
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	438327	20.0000	17.7677
21	Heptane	71	8.727	8.727	(0.794)	333727	20.0000	16.6042
22	Trichloroethene	130	9.331	9.331	(0.849)	311651	20.0000	17.5842
23	Methyl Methacrylate	69	9.644	9.644	(0.877)	311792	20.0000	17.7035
24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	127472	20.0000	18.3844
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	258192	5.00000	5.07412(A)
26	Toluene-CCC	92	10.728	10.728	(0.976)	751557	20.0000	17.0991
* 27	2-Fluorotoluene	109	10.993	10.994	(1.000)	309135	5.00000	
28	1,1,2-Trichloroethane	97	11.235	11.235	(1.022)	301736	20.0000	17.0538
29	Tetrachloroethene	164	11.331	11.331	(1.031)	343864	20.0000	17.0058
30	Chlorobenzene	112	12.325	12.325	(1.121)	901268	20.0000	17.3118
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	500216	20.0000	17.6988
32	1,1,1,2-Tetrachloroethane	131	12.428	12.428	(1.131)	319754	20.0000	17.3180
33	m,p-Xylene	106	12.506	12.506	(1.138)	1394321	40.0000	35.2557
34	o-Xylene	106	12.956	12.956	(1.178)	541241	20.0000	17.2201
35	Styrene	104	12.956	12.956	(1.178)	912646	20.0000	17.2845
36	a-Pinene	93	13.230	13.230	(1.203)	657423	20.0000	17.8293
37	1,1,2,2-Tetrachloroethane-SPC	83	13.615	13.615	(1.238)	686278	20.0000	17.7283
38	Propylbenzene	91	13.669	13.669	(1.243)	2591551	20.0000	17.1968
39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	268705	20.0000	17.7627
40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	1203089	20.0000	16.9560
41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	1615362	20.0000	18.0528
42	R-(+)-Limonene	68	14.367	14.367	(1.307)	677306	20.0000	18.0942
43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	840226	20.0000	17.2573
44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	1133054	20.0000	17.9390
45	1,2-Dichlorobenzene	146	14.897	14.898	(1.355)	769932	20.0000	17.1956
46	1,4-Dithiane	120	15.380	15.380	(1.399)	632085	20.0000	17.5783
47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	875186	20.0000	17.1943
48	Naphthalene	128	16.778	16.778	(1.526)	2038409	20.0000	18.1487
49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	884348	20.0000	17.5263

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Report Date: 15-Apr-2015 13:38

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041510sim.d
Lab Smp Id: 2595-224-20
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 8
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	309135	-2.93

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041510sim.d

Date : 15-APR-2015 11:47

Client ID: Level 8

Instrument: msdc.i

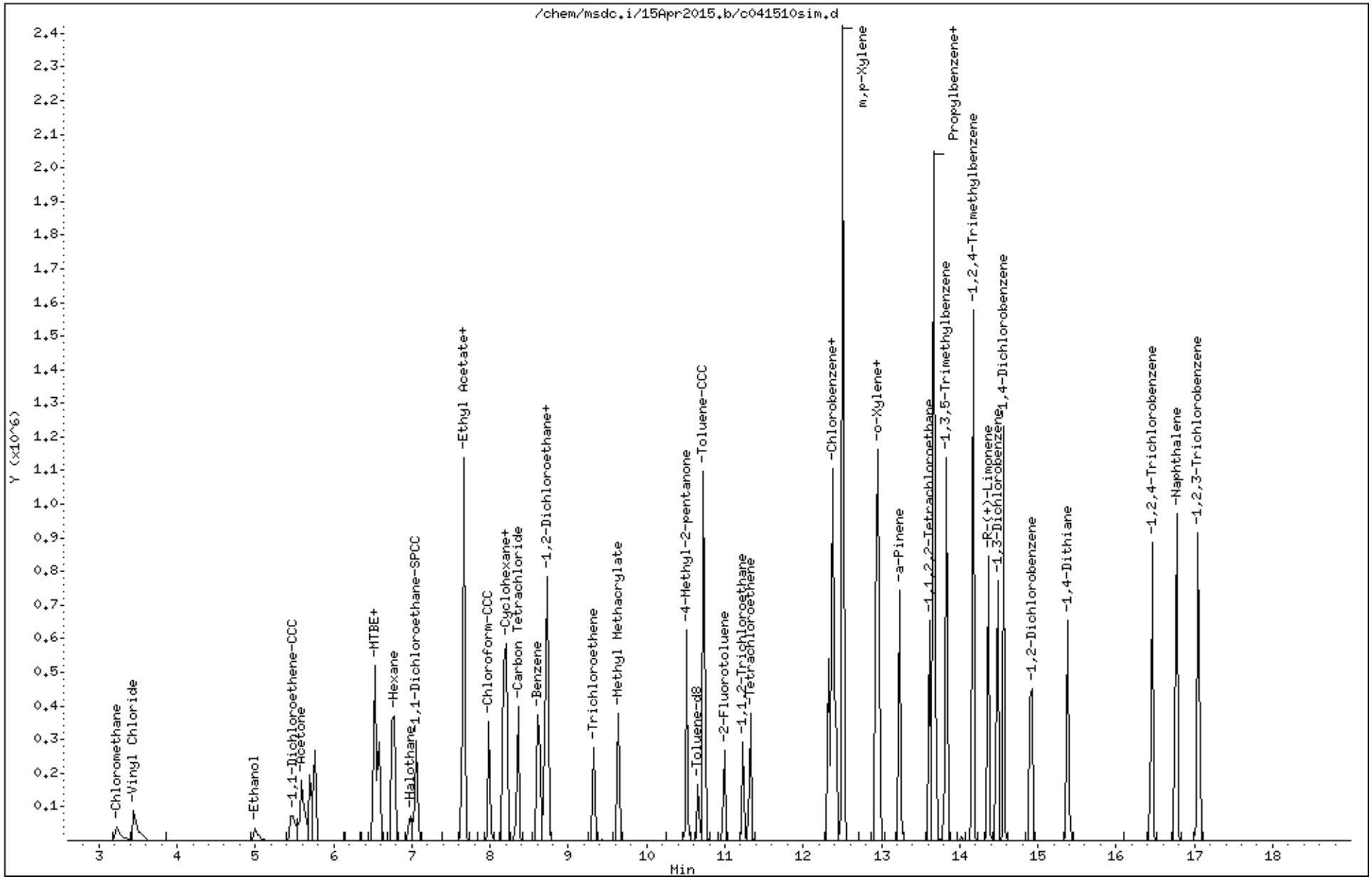
Sample Info: ;2595-224-20;Level 8

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041511sim.d
Lab Smp Id: 2595-224-50 Client Smp ID: Level 9
Inj Date : 15-APR-2015 12:11
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-50;Level 9
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 12:11 Cal File: c041511sim.d
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-cm.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
2 Vinyl Chloride	62	3.444	3.444	(0.313)	563268	50.0000	48.0415
3 Ethanol	45	4.985	4.985	(0.453)	268034	50.0000	51.8087
4 1,1-Dichloroethene-CCC	96	5.476	5.454	(0.498)	314320	50.0000	43.6305
5 Acetone	58	5.588	5.588	(0.508)	393271	50.0000	49.5468
7 MTBE	73	6.500	6.528	(0.591)	1454883	50.0000	44.6967
8 trans-1,2-Dichloroethene	96	6.555	6.583	(0.596)	515400	50.0000	45.6961
9 Hexane	57	6.747	6.775	(0.614)	1423987	50.0000	42.3826
10 Halothane	117	6.960	6.985	(0.633)	336632	50.0000	45.6216
11 1,1-Dichloroethane-SPCC	63	7.033	7.057	(0.640)	1073904	50.0000	43.5460
12 Ethyl Acetate	70	7.639	7.662	(0.695)	153647	50.0000	45.0301
13 2-Butanone	72	7.662	7.662	(0.697)	338432	50.0000	45.1527
14 cis-1,2-Dichloroethene	96	7.662	7.684	(0.697)	533769	50.0000	43.6863
15 Chloroform-CCC	83	7.987	7.987	(0.726)	838270	50.0000	40.3320
16 Cyclohexane	84	8.172	8.203	(0.743)	986757	50.0000	47.0229
17 1,1,1-Trichloroethane	97	8.172	8.203	(0.743)	789404	50.0000	40.9405
18 Carbon Tetrachloride	117	8.357	8.357	(0.760)	776006	50.0000	40.0482

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19	Benzene	78	8.603	8.603	(0.783)	2374496	50.0000	50.3114
	20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	970963	50.0000	44.7720
	21	Heptane	71	8.727	8.727	(0.794)	817816	50.0000	46.2864
	22	Trichloroethene	130	9.331	9.331	(0.849)	681275	50.0000	43.7266
	23	Methyl Methacrylate	69	9.644	9.644	(0.877)	700073	50.0000	45.2176
	24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	280961	50.0000	46.0949
$	25	Toluene-d8	98	10.656	10.656	(0.969)	222217	5.00000	4.96782
	26	Toluene-CCC	92	10.728	10.728	(0.976)	1637989	50.0000	42.3928
*	27	2-Fluorotoluene	109	10.993	10.994	(1.000)	271755	5.00000	
	28	1,1,2-Trichloroethane	97	11.234	11.235	(1.022)	683954	50.0000	43.9736
	29	Tetrachloroethene	164	11.331	11.331	(1.031)	775722	50.0000	43.6401
	30	Chlorobenzene	112	12.325	12.325	(1.121)	1965762	50.0000	42.9526
	31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	1066991	50.0000	42.9456
	32	1,1,1,2-Tetrachloroethane	131	12.428	12.428	(1.131)	709881	50.0000	43.7358
	33	m,p-Xylene	106	12.506	12.506	(1.138)	2981703	100.000	85.7634
	34	o-Xylene	106	12.956	12.956	(1.178)	1278635	50.0000	46.2766
	35	Styrene	104	12.956	12.956	(1.178)	1957916	50.0000	42.1811
	36	a-Pinene	93	13.230	13.230	(1.203)	1434338	50.0000	44.2497
	37	1,1,2,2-Tetrachloroethane-SPC	83	13.614	13.615	(1.238)	1555264	50.0000	45.7027
	38	Propylbenzene	91	13.669	13.669	(1.243)	5943048	50.0000	44.8608
	39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	612956	50.0000	46.0928
	40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	3059204	50.0000	49.0461
	41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	3877360	50.0000	49.2926
	42	R-(+)-Limonene	68	14.367	14.367	(1.307)	1594348	50.0000	48.4516
	43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	1996474	50.0000	46.6457
	44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	2600470	50.0000	46.8350
	45	1,2-Dichlorobenzene	146	14.922	14.898	(1.357)	1876458	50.0000	47.6733
	46	1,4-Dithiane	120	15.380	15.380	(1.399)	1507674	50.0000	47.6958
	47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	2168231	50.0000	48.4576
	48	Naphthalene	128	16.778	16.778	(1.526)	5091883	50.0000	51.5707
	49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	2173095	50.0000	48.9911

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041511sim.d
Lab Smp Id: 2595-224-50
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 9
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	271755	-14.67

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041511sim.d

Date : 15-APR-2015 12:11

Client ID: Level 9

Instrument: msdc.i

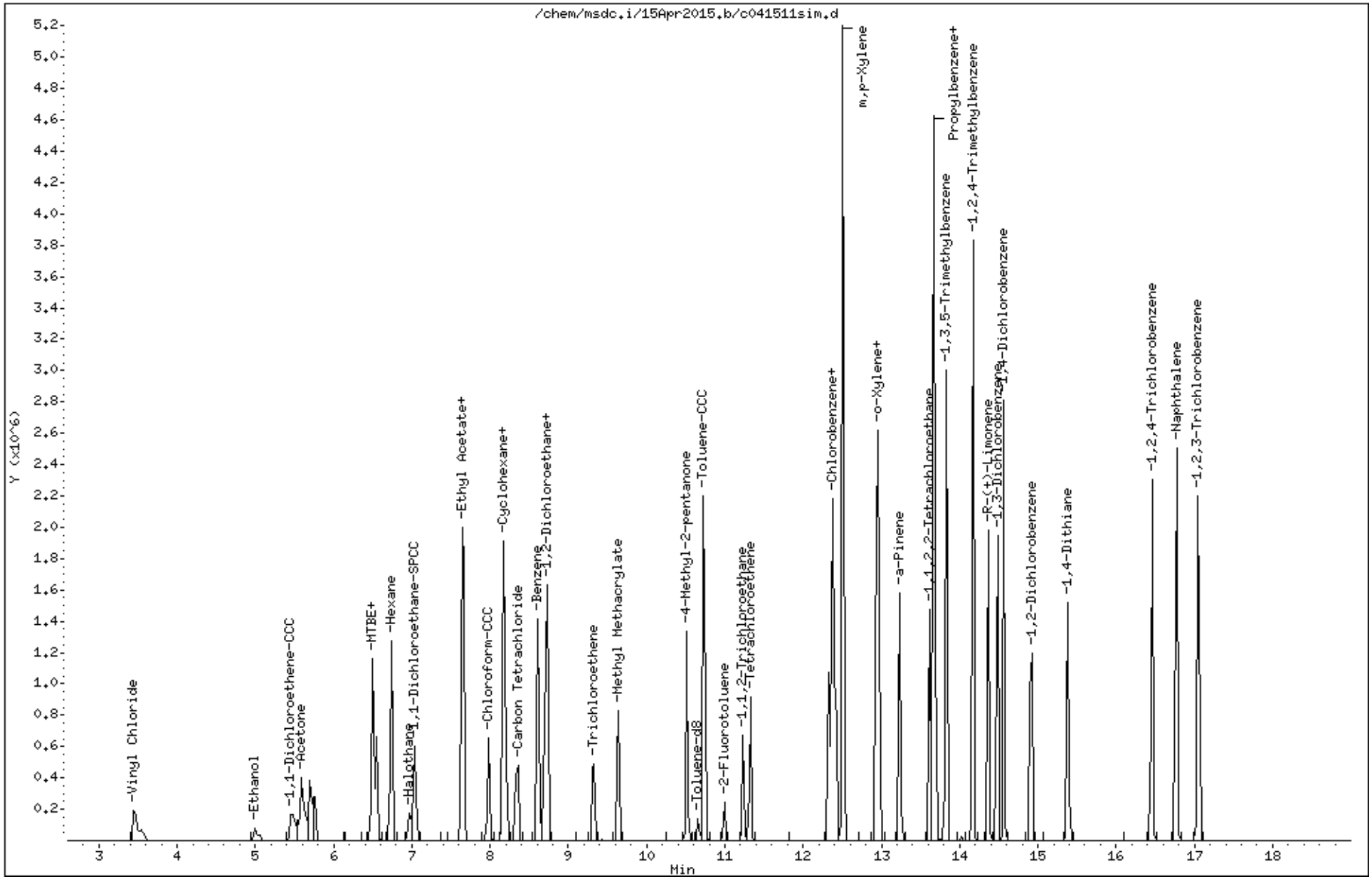
Sample Info: ;2595-224-50;Level 9

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041512sim.d
Lab Smp Id: 2595-218-500>100 Client Smp ID: Level 10
Inj Date : 15-APR-2015 12:37
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-218-500>100;Level 10
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 12:37 Cal File: c041512sim.d
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 100.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
2 Vinyl Chloride	62	3.444	3.444	(0.313)	1125007	100.000	73.5584
3 Ethanol	45	4.986	4.985	(0.453)	539385	100.000	79.9259
4 1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	726812	100.000	77.3421
5 Acetone	58	5.588	5.588	(0.508)	857214	100.000	82.7920
7 MTBE	73	6.528	6.528	(0.594)	3474145	100.000	81.8222
8 trans-1,2-Dichloroethene	96	6.583	6.583	(0.599)	1204085	100.000	81.8404
9 Hexane	57	6.775	6.775	(0.616)	3097644	100.000	70.6788
10 Halothane	117	6.985	6.985	(0.635)	793309	100.000	82.4202
11 1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	2621435	100.000	81.4889
12 Ethyl Acetate	70	7.662	7.662	(0.697)	379616	100.000	85.2903
13 2-Butanone	72	7.662	7.662	(0.697)	813242	100.000	83.1780
14 cis-1,2-Dichloroethene	96	7.684	7.684	(0.699)	1294489	100.000	81.2206
15 Chloroform-CCC	83	7.987	7.987	(0.726)	2268369	100.000	83.6672
16 Cyclohexane	84	8.203	8.203	(0.746)	2155932	100.000	78.7609
17 1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	2114955	100.000	84.0875
18 Carbon Tetrachloride	117	8.357	8.357	(0.760)	2167147	100.000	85.7399

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
19	Benzene	78	8.603	8.603	(0.783)	5063954	100.000	82.2547
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	2305927	100.000	81.5127
21	Heptane	71	8.727	8.727	(0.794)	1677629	100.000	72.7897
22	Trichloroethene	130	9.331	9.331	(0.849)	1753216	100.000	86.2651
23	Methyl Methacrylate	69	9.644	9.644	(0.877)	1771080	100.000	87.6957
24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	727347	100.000	91.4796
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	294024	5.00000	5.03904(A)
26	Toluene-CCC	92	10.729	10.728	(0.976)	4122612	100.000	81.7955
* 27	2-Fluorotoluene	109	10.994	10.994	(1.000)	354488	5.00000	
28	1,1,2-Trichloroethane	97	11.235	11.235	(1.022)	1722900	100.000	84.9182
29	Tetrachloroethene	164	11.331	11.331	(1.031)	1963266	100.000	84.6711
30	Chlorobenzene	112	12.325	12.325	(1.121)	5022005	100.000	84.1225
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	2630223	100.000	81.1570
32	1,1,1,2-Tetrachloroethane	131	12.429	12.428	(1.131)	1827495	100.000	86.3145
33	m,p-Xylene	106	12.506	12.506	(1.138)	6806702	200.000	150.089
34	o-Xylene	106	12.956	12.956	(1.178)	3321515	100.000	92.1568
35	Styrene	104	12.956	12.956	(1.178)	4564707	100.000	75.3899
36	a-Pinene	93	13.230	13.230	(1.203)	3364971	100.000	79.5823
37	1,1,2,2-Tetrachloroethane-SPC	83	13.615	13.615	(1.238)	3630281	100.000	81.7813
38	Propylbenzene	91	13.670	13.669	(1.243)	12653761	100.000	73.2240
39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	1393097	100.000	80.3084
40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	7919692	100.000	97.3376
41	1,2,4-Trimethylbenzene	105	14.175	14.174	(1.289)	9123381	100.000	88.9155
42	R-(+)-Limonene	68	14.367	14.367	(1.307)	3207044	100.000	74.7147
43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	5089272	100.000	91.1548
44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	5745867	100.000	79.3323
45	1,2-Dichlorobenzene	146	14.922	14.898	(1.357)	4354121	100.000	84.8033
46	1,4-Dithiane	120	15.380	15.380	(1.399)	3387691	100.000	82.1585
47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	5137802	100.000	88.0257
48	Naphthalene	128	16.779	16.778	(1.526)	11817429	100.000	91.7537(A)
49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	4940584	100.000	85.3872

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041512sim.d
Lab Smp Id: 2595-218-500>100
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 10
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	354488	11.31

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041512sim.d

Date : 15-APR-2015 12:37

Client ID: Level 10

Sample Info: ;2595-218-500>100;Level 10

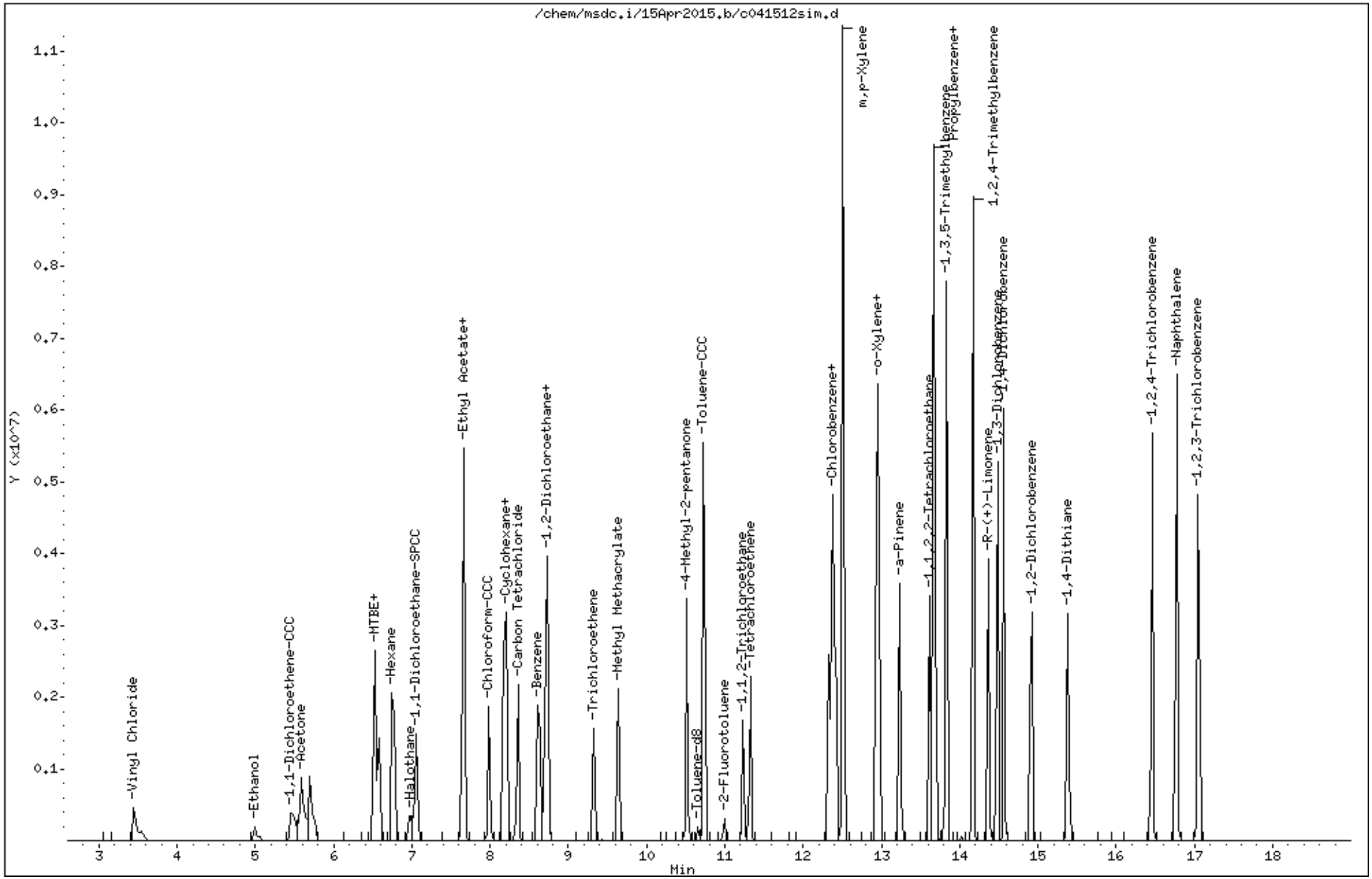
Volume Injected (uL): 1.0

Column phase: DB-5.625

Instrument: msdc.i

Operator: gm

Column diameter: 0.25



Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/15Apr2015.b/c041513sim.d
Lab Smp Id: 2595-218-500>200 Client Smp ID: Level 11
Inj Date : 15-APR-2015 13:01
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-218-500>200;Level 11
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 15-Apr-2015 13:38 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 13:01 Cal File: c041513sim.d
Als bottle: 13 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 200.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
2 Vinyl Chloride	62	3.444	3.444	(0.313)	2668801	200.000	168.119
3 Ethanol	45	4.985	4.985	(0.453)	1026887	200.000	146.601(A)
4 1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	1752962	200.000	179.718
5 Acetone	58	5.588	5.588	(0.508)	1609034	200.000	149.723
7 MTBE	73	6.528	6.528	(0.594)	6179874	200.000	140.226
8 trans-1,2-Dichloroethene	96	6.583	6.583	(0.599)	2109591	200.000	138.144
9 Hexane	57	6.775	6.775	(0.616)	6607759	200.000	145.257
10 Halothane	117	6.985	6.985	(0.635)	1458599	200.000	146.000
11 1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	4797031	200.000	143.667
12 Ethyl Acetate	70	7.662	7.662	(0.697)	716122	200.000	155.012
13 2-Butanone	72	7.662	7.662	(0.697)	1497323	200.000	147.546
14 cis-1,2-Dichloroethene	96	7.684	7.684	(0.699)	2411391	200.000	145.767
15 Chloroform-CCC	83	7.987	7.987	(0.726)	4193602	200.000	149.023
16 Cyclohexane	84	8.203	8.203	(0.746)	4190111	200.000	147.477
17 1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	4131956	200.000	158.274
18 Carbon Tetrachloride	117	8.357	8.357	(0.760)	4272762	200.000	162.865

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
19	Benzene	78	8.634	8.603	(0.785)	9774985	200.000	152.972
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	4097026	200.000	139.532
21	Heptane	71	8.726	8.727	(0.794)	2853955	200.000	119.301
22	Trichloroethene	130	9.331	9.331	(0.849)	3457329	200.000	163.895
23	Methyl Methacrylate	69	9.644	9.644	(0.877)	3501828	200.000	167.055
24	4-Methyl-2-pentanone	85	10.512	10.512	(0.956)	1401867	200.000	169.869
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	298487	5.00000	4.92850
26	Toluene-CCC	92	10.728	10.728	(0.976)	7915374	200.000	151.305
* 27	2-Fluorotoluene	109	10.993	10.994	(1.000)	367940	5.00000	
28	1,1,2-Trichloroethane	97	11.234	11.235	(1.022)	3358068	200.000	159.461
29	Tetrachloroethene	164	11.331	11.331	(1.031)	4001857	200.000	166.281
30	Chlorobenzene	112	12.325	12.325	(1.121)	9869722	200.000	159.281(A)
31	Ethylbenzene-CCC	106	12.403	12.377	(1.128)	5254225	200.000	156.195
32	1,1,1,2-Tetrachloroethane	131	12.428	12.428	(1.131)	3771854	200.000	171.636
33	m,p-Xylene	106	12.506	12.506	(1.138)	11987331	400.000	254.660
34	o-Xylene	106	12.956	12.956	(1.178)	7028747	200.000	187.886(A)
35	Styrene	104	12.983	12.956	(1.181)	9129731	200.000	145.272(A)
36	a-Pinene	93	13.230	13.230	(1.203)	6196284	200.000	141.186(A)
37	1,1,2,2-Tetrachloroethane-SPC	83	13.614	13.615	(1.238)	6342775	200.000	137.663
39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	2348153	200.000	130.416
40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	14561965	200.000	172.432(A)
41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	12716414	200.000	119.402(A)
42	R-(+)-Limonene	68	14.367	14.367	(1.307)	5405370	200.000	121.325
43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	10615424	200.000	183.183
44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	10359143	200.000	137.798
45	1,2-Dichlorobenzene	146	14.922	14.898	(1.357)	9042064	200.000	169.670
46	1,4-Dithiane	120	15.380	15.380	(1.399)	6591889	200.000	154.022
47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	10348661	200.000	170.821
48	Naphthalene	128	16.778	16.778	(1.526)	17648629	200.000	132.019(A)
49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	9549450	200.000	159.007

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c041513sim.d
Lab Smp Id: 2595-218-500>200
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/15Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 15-APR-2015
Calibration Time: 11:23
Client Smp ID: Level 11
Level: MED
Sample Type: AIR

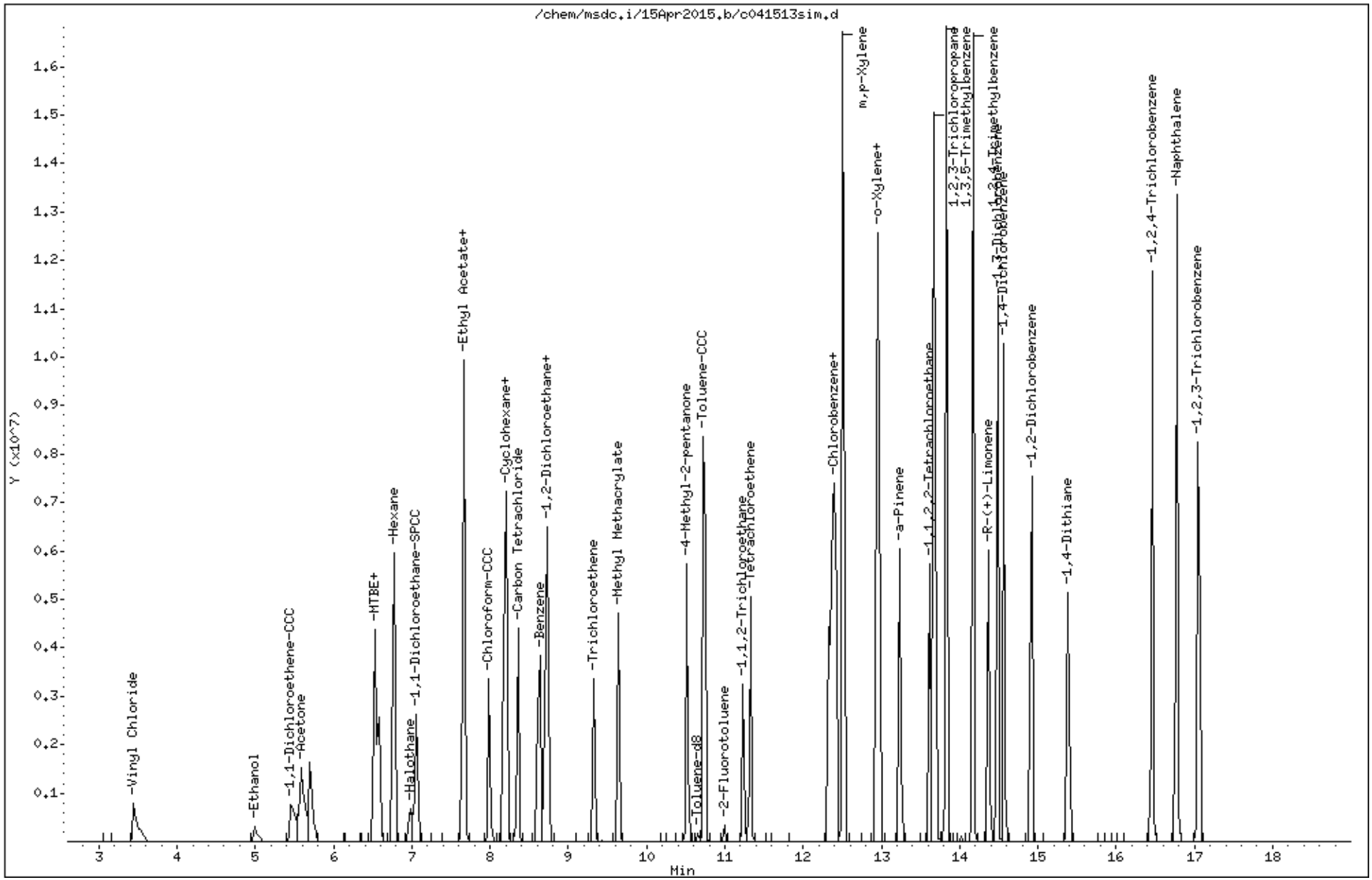
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	318479	159240	636958	367940	15.53

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/15Apr2015.b/c041513sim.d
Date : 15-APR-2015 13:01
Client ID: Level 11
Sample Info: ;2595-218-500>200;Level 11
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdc.i
Operator: gm
Column diameter: 0.25



Instrument: MSD-C
Analysis: Passive SE GC/MS (Rad 130)
Std ID 2595-199-10
(20 ul Spiked)
Sample Final Volume: 2.0 ml
Extraction date: 1/8/2015

Report Date : 09-Jan-2015 12:38

Eurofins Air Toxics Inc.
METHOD DETECTION LIMIT SUMMARY REPORT

Method File: /chem/msdc.i/09Jan2015.b/C15r0107.m/C15r0107b.m
Batch File: /chem/msdc.i/09Jan2015.b
Inst ID: msdc.i

ID:	MDL01	MDL02	MDL03	MDL04	MDL05	MDL06	MDL07	MDL08
FILENAME:	c010905sim	c010906sim	c010907sim	c010908sim	c010909sim	c010910sim	c010911sim	c010912sim
INJ.DATE:	09-JAN-2015	09-JAN-2015	09-JAN-2015	09-JAN-2015	09-JAN-2015	09-JAN-2015	09-JAN-2015	09-JAN-2015
INJ.TIME:	09:20	09:44	10:09	10:33	10:57	11:21	11:46	12:10

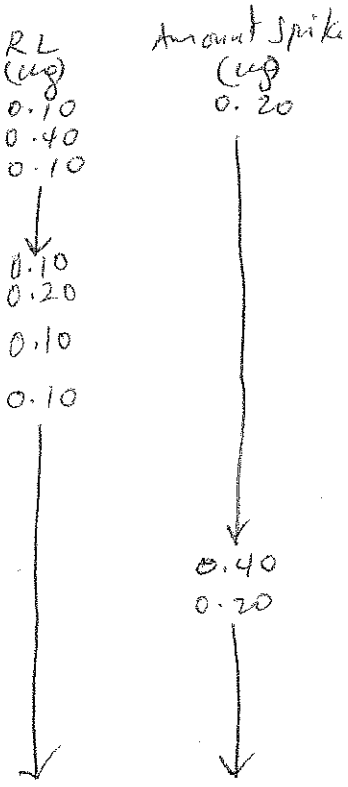
Compound	MDL01	MDL02	MDL03	MDL04	MDL05	MDL06	MDL07	MDL08	AVG CONC	STD DEV	MDL ng	MDL ug	RL ug	Amount Spike ug
1 Chloromethane	186.04	181.57	138.64	149.37	206.79	160.33	178.83	159.87	170.18	22.13	66.34	0.06634	0.40	0.20
2 Vinyl Chloride	273.11	238.83	206.01	204.10	284.82	213.14	242.01	226.59	236.08	30.08	90.17	0.09017	0.40	
3 Ethanol	214.98	194.77	229.47	170.73	235.68	164.11	210.14	207.38	203.41	25.64	76.88	0.07688	1.0	
4 1,1-Dichloroethene-CCC	248.41	252.30	276.55	233.02	264.00	266.11	267.37	224.61	254.05	18.02	54.01	0.05401	0.40	
5 Acetone	259.17	239.23	274.57	217.59	289.11	235.36	249.87	252.00	252.11	22.57	67.67	0.06767	0.20	
6 2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++			
7 MTBE	239.03	239.48	266.75	243.89	274.33	235.65	240.48	256.86	249.56	14.55	43.63	0.04363	0.10	
8 trans-1,2-Dichloroethe	314.16	306.87	343.29	229.70	323.81	287.68	295.91	289.75	298.90	33.58	100.69	0.10069	0.20	
9 Hexane	235.28	301.20	331.04	297.50	262.18	231.06	224.62	281.53	270.55	38.60	115.72	0.11572	0.10	
10 Halothane	270.94	254.31	276.91	248.39	300.90	250.12	266.19	268.28	267.01	17.14	51.40	0.05140		
11 1,1-Dichloroethane-SPC	246.41	230.65	248.23	224.20	272.88	236.95	242.97	241.59	242.98	14.52	43.54	0.04354		
12 Ethyl Acetate	251.62	204.66	255.11	214.53	257.55	224.78	235.48	234.81	234.82	19.39	58.14	0.05814		
13 2-Butanone	237.01	222.86	251.39	218.34	261.02	225.73	241.99	234.87	236.65	14.58	43.70	0.04370		
14 cis-1,2-Dichloroethene	242.04	220.87	258.42	230.28	264.63	238.45	247.96	246.99	243.71	14.22	42.63	0.04263		
15 Chloroform-CCC	228.17	246.82	267.85	236.82	251.62	252.27	232.20	251.09	245.85	12.92	38.72	0.03872		
16 Cyclohexane	246.71	226.19	250.47	241.56	266.12	209.61	236.42	237.45	239.31	16.77	50.29	0.05029		
17 1,1,1-Trichloroethane	208.21	182.74	203.26	190.80	227.02	190.88	230.13	197.37	203.80	17.21	51.59	0.05159		

Reviewer 1 [signature] Date: 1/9/15
Reviewer 2 [signature] Date: 1/9/15

Eurofins Air Toxics Inc.
METHOD DETECTION LIMIT SUMMARY REPORT

Method File: /chem/msdc.i/09Jan2015.b/C15r0107.m/C15r0107b.m
Batch File: /chem/msdc.i/09Jan2015.b
Inst ID: msdc.i

	Compound	MDL01	MDL02	MDL03	MDL04	MDL05	MDL06	MDL07	MDL08	AVG CONC	STD DEV	MDL ng	MDL (ug)	RL (ug)	Amount Spike (ug)
	18 Carbon Tetrachloride	202.52	183.73	199.24	192.60	221.51	182.80	203.83	200.70	198.37	12.41	37.22	0.03722	0.10	0.20
	19 Benzene	329.17	332.05	354.34	333.51	354.83	334.45	329.58	358.93	340.86	12.76	38.26	0.03826	0.40	
	20 1,2-Dichloroethane	201.11	198.19	213.02	192.33	211.66	210.70	197.38	200.10	203.06	7.70	23.09	0.02309	0.10	
	21 Heptane	241.55	230.46	243.95	229.65	232.31	248.15	219.60	243.56	236.15	9.65	28.94	0.02894		
	22 Trichloroethene	226.07	225.58	242.58	229.08	246.40	221.91	237.54	241.16	233.79	9.22	27.64	0.02764	0.10	0.40
	23 Methyl Methacrylate	187.35	182.52	203.16	192.12	209.22	186.01	195.64	200.90	194.61	9.31	27.90	0.02790	0.20	
	24 4-Methyl-2-pentanone	206.59	202.04	217.86	211.78	230.37	204.63	226.53	227.07	215.86	11.17	33.50	0.03350		
$	25 Toluene-d8	9.74	9.81	9.90	10.15	10.04	10.11	9.83	9.76	9.92	0.16	0.48	SUR		
	26 Toluene-CCC	296.21	285.34	299.25	291.87	310.80	285.77	301.13	296.86	295.90	8.38	25.13	0.02513	0.10	
*	27 2-Fluorotoluene	10000.00	10000.00	10000.00	10000.00	10000.00	10000.00	10000.00	10000.00	10000.00	0.00	0.00	IS		
	28 1,1,2-Trichloroethane	209.16	207.10	227.60	214.02	230.63	214.24	216.45	221.62	217.60	8.39	25.16	0.02516	0.10	
	29 Tetrachloroethene	236.92	235.36	241.08	250.48	250.62	234.69	247.58	242.47	242.40	6.55	19.64	0.01964		
	30 Chlorobenzene	191.25	196.12	210.29	197.41	207.34	191.98	205.45	203.51	200.42	7.20	21.59	0.02159		
	31 Ethylbenzene-CCC	224.44	239.38	245.57	241.07	246.97	225.25	239.36	243.96	238.25	8.72	26.15	0.02615		
	32 1,1,1,2-Tetrachloroeth	208.21	242.68	212.22	205.85	217.74	240.32	213.76	255.71	224.56	18.82	56.43	0.05643		
	33 m,p-Xylene	454.17	457.03	470.34	468.20	491.42	443.23	466.88	469.32	465.07	14.21	42.60	0.04260		
	34 o-Xylene	212.52	211.05	214.70	203.30	214.26	196.31	215.17	208.68	209.50	6.61	19.83	0.01983		
	35 Styrene	54.54	61.02	68.25	61.78	66.61	59.36	66.71	63.02	62.66	4.53	13.58	0.01358		
	36 a-Pinene	222.20	228.33	239.77	230.42	246.92	228.58	230.18	235.15	232.69	7.71	23.12	0.02312		
	37 1,1,2,2-Tetrachloroeth	196.80	201.17	215.92	196.33	224.97	196.15	215.96	217.95	208.16	11.72	35.14	0.03514		
	38 Propylbenzene	181.40	194.56	192.88	191.33	202.13	178.15	194.40	191.53	190.80	7.64	22.91	0.02291		
	39 1,2,3-Trichloropropane	189.11	201.43	201.59	200.11	211.14	185.07	208.13	200.35	199.62	8.74	26.22	0.02622		



Report Date : 09-Jan-2015 12:38

Eurofins Air Toxics Inc.
METHOD DETECTION LIMIT SUMMARY REPORT

Method File: /chem/msdc.i/09Jan2015.b/C15r0107.m/C15r0107b.m
Batch File: /chem/msdc.i/09Jan2015.b
Inst ID: msdc.i

Compound	MDL01	MDL02	MDL03	MDL04	MDL05	MDL06	MDL07	MDL08	AVG CONC	STD DEV	MDL ng	MDL (ug)
40 1,3,5-Trimethylbenzene	218.98	225.52	220.11	219.00	231.49	202.12	220.49	223.60	220.16	8.43	25.27	0.02527
41 1,2,4-Trimethylbenzene	210.34	218.20	211.53	222.25	227.83	194.91	219.85	221.16	215.76	10.15	30.44	0.03044
42 R-(+)-Limonene	225.34	225.98	218.35	220.64	240.99	222.43	226.83	229.03	226.20	6.92	20.73	0.02073
43 1,3-Dichlorobenzene	175.44	183.81	185.43	171.75	181.07	164.14	179.92	178.48	177.51	6.95	20.83	0.02083
44 1,4-Dichlorobenzene	172.50	185.01	201.09	177.85	186.31	169.51	184.68	189.06	183.25	10.00	29.98	0.02998
45 1,2-Dichlorobenzene	158.54	168.37	178.93	154.03	163.29	151.16	163.27	161.78	162.42	8.64	25.89	0.02589
46 1,4-Dithiane	146.87	162.59	165.06	155.83	172.78	154.54	165.38	165.26	161.04	8.13	24.38	0.02438
47 1,2,4-Trichlorobenzene	142.77	160.58	163.75	135.51	145.21	135.29	153.66	151.59	148.54	10.70	32.08	0.03208
48 Naphthalene	63.02	35.76	33.07	21.10	21.01	18.94	25.09	19.67	29.71	14.86	44.54	0.04454
49 1,2,3-Trichlorobenzene	119.79	131.21	146.88	110.68	117.80	109.21	128.13	122.71	123.30	12.20	36.59	0.03659

RL (ug) 0.10

Amount Spiked (ug) 0.25

Eurofins Air Toxics Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdc.i Injection Date: 23-APR-2015 09:09
Lab File ID: c042303sim.d Init. Cal. Date(s): 15-APR-2015 15-APR-2015
Analysis Type: AIR Init. Cal. Times: 08:54 13:01
Lab Sample ID: 2595-224-5.0 Quant Type: ISTD
Method: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m

	COMPOUND	RRF / AMOUNT	RF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	1 Chloromethane	0.10696	0.10432	0.020	2.47404	40.00000	Averaged
	2 Vinyl Chloride	0.21572	0.20830	0.050	3.43926	40.00000	Averaged
	3 Ethanol	0.09519	0.07315	0.030	23.15546	30.00000	Averaged
	4 1,1-Dichloroethene-CCC	0.13255	0.12566	0.050	5.19794	30.00000	Averaged
	5 Acetone	0.14604	0.13269	0.040	9.14181	30.00000	Averaged
	7 MTBE	0.59889	0.57712	0.050	3.63393	30.00000	Averaged
	8 trans-1,2-Dichloroethene	0.20752	0.19701	0.050	5.06315	30.00000	Averaged
	9 Hexane	0.61817	0.59788	0.020	3.28349	30.00000	Averaged
	10 Halothane	0.13576	0.12284	0.050	9.51846	30.00000	Averaged
	11 1,1-Dichloroethane-SPCC	0.45374	0.45274	0.050	0.22130	20.00000	Averaged
	12 Ethyl Acetate	0.06278	0.06573	0.050	-4.70121	30.00000	Averaged
	13 2-Butanone	0.13790	0.13990	0.050	-1.44651	30.00000	Averaged
	14 cis-1,2-Dichloroethene	0.22480	0.22575	0.050	-0.42284	20.00000	Averaged
	15 Chloroform-CCC	0.38241	0.39117	0.050	-2.29067	20.00000	Averaged
	16 Cyclohexane	0.38609	0.38002	0.050	1.57319	30.00000	Averaged
	17 1,1,1-Trichloroethane	0.35476	0.37082	0.050	-4.52608	20.00000	Averaged
	18 Carbon Tetrachloride	0.35651	0.34976	0.050	1.89388	20.00000	Averaged
	19 Benzene	0.86836	0.88199	0.050	-1.57035	30.00000	Averaged
	20 1,2-Dichloroethane	0.39901	0.40000	0.050	-0.24650	20.00000	Averaged
	21 Heptane	0.32508	0.32544	0.050	-0.10991	20.00000	Averaged
	22 Trichloroethene	0.28666	0.27027	0.050	5.71812	20.00000	Averaged
	23 Methyl Methacrylate	0.28486	0.28388	0.050	0.34488	30.00000	Averaged
	24 4-Methyl-2-pentanone	0.11215	0.11939	0.050	-6.45459	30.00000	Averaged
$	25 Toluene-d8	0.82301	0.90585	0.050	-10.06534	30.00000	Averaged
	26 Toluene-CCC	0.71090	0.71740	0.050	-0.91365	20.00000	Averaged
	28 1,1,2-Trichloroethane	0.28617	0.27754	0.050	3.01726	20.00000	Averaged
	29 Tetrachloroethene	0.32705	0.29534	0.050	9.69430	20.00000	Averaged
	30 Chlorobenzene	0.84204	0.81827	0.050	2.82266	20.00000	Averaged
	31 Ethylbenzene-CCC	0.45713	0.45048	0.050	1.45306	20.00000	Averaged
	32 1,1,1,2-Tetrachloroethane	0.29863	0.26585	0.050	10.97794	30.00000	Averaged
	33 m,p-Xylene	0.63967	0.63444	0.050	0.81811	20.00000	Averaged
	34 o-Xylene	0.50837	0.46194	0.050	9.13342	30.00000	Averaged
	35 Styrene	0.85402	0.85274	0.050	0.14996	30.00000	Averaged
	36 a-Pinene	0.59639	0.63811	0.050	-6.99408	30.00000	Averaged
	37 1,1,2,2-Tetrachloroethane-S	0.62612	0.66167	0.050	-5.67825	30.00000	Averaged
	38 Propylbenzene	2.43744	2.47947	0.050	-1.72419	20.00000	Averaged

Eurofins Air Toxics Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdc.i Injection Date: 23-APR-2015 09:09
Lab File ID: c042303sim.d Init. Cal. Date(s): 15-APR-2015 15-APR-2015
Analysis Type: AIR Init. Cal. Times: 08:54 13:01
Lab Sample ID: 2595-224-5.0 Quant Type: ISTD
Method: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m

COMPOUND	RRF / AMOUNT	RF5	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
39 1,2,3-Trichloropropane	0.24467	0.23988	0.050	1.96089	30.00000	Averaged
40 1,3,5-Trimethylbenzene	1.14761	1.01892	0.050	11.21371	20.00000	Averaged
41 1,2,4-Trimethylbenzene	1.44726	1.37770	0.050	4.80631	20.00000	Averaged
42 R-(+)-Limonene	0.60543	0.64327	0.050	-6.24935	30.00000	Averaged
43 1,3-Dichlorobenzene	0.78749	0.67206	0.050	14.65778	30.00000	Averaged
44 1,4-Dichlorobenzene	1.02158	0.92121	0.050	9.82510	30.00000	Averaged
45 1,2-Dichlorobenzene	0.72420	0.64711	0.050	10.64483	30.00000	Averaged
46 1,4-Dithiane	0.58159	0.55100	0.050	5.25997	30.00000	Averaged
47 1,2,4-Trichlorobenzene	0.82326	0.74526	0.050	9.47406	30.00000	Averaged
48 Naphthalene	1.81664	1.68721	0.050	7.12443	30.00000	Averaged
49 1,2,3-Trichlorobenzene	0.81612	0.75153	0.050	7.91435	30.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 5.29788
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042303sim.d
Lab Smp Id: 2595-224-5.0 Client Smp ID: CCV
Inj Date : 23-APR-2015 09:09
Operator : gm Inst ID: msdc.i
Smp Info : ;2595-224-5.0;CCV
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 23-Apr-2015 09:36 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-2Pr.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
1	Chloromethane	50	3.227	3.227	(0.294)	33856	5.00000	4.87630
2	Vinyl Chloride	62	3.444	3.444	(0.313)	67605	5.00000	4.82804
3	Ethanol	45	4.985	4.985	(0.453)	23740	5.00000	3.84223
4	1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	40783	5.00000	4.74010
5	Acetone	58	5.588	5.588	(0.508)	43066	5.00000	4.54291
7	MTBE	73	6.528	6.528	(0.594)	187308	5.00000	4.81830
8	trans-1,2-Dichloroethene	96	6.583	6.583	(0.599)	63941	5.00000	4.74684
9	Hexane	57	6.775	6.775	(0.616)	194043	5.00000	4.83582
10	Halothane	117	6.985	6.985	(0.635)	39868	5.00000	4.52408
11	1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	146938	5.00000	4.98893
12	Ethyl Acetate	70	7.662	7.662	(0.697)	21333	5.00000	5.23506
13	2-Butanone	72	7.662	7.662	(0.697)	45405	5.00000	5.07232
14	cis-1,2-Dichloroethene	96	7.684	7.684	(0.699)	73269	5.00000	5.02114
15	Chloroform-CCC	83	7.987	7.987	(0.726)	126955	5.00000	5.11453
16	Cyclohexane	84	8.203	8.203	(0.746)	123337	5.00000	4.92134
17	1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	120351	5.00000	5.22630

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
18	Carbon Tetrachloride	117	8.357	8.357	(0.760)	113516	5.00000	4.90530
19	Benzene	78	8.603	8.603	(0.783)	286254	5.00000	5.07852
20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	129821	5.00000	5.01232
21	Heptane	71	8.726	8.726	(0.794)	105623	5.00000	5.00550
22	Trichloroethene	130	9.331	9.331	(0.849)	87717	5.00000	4.71409
23	Methyl Methacrylate	69	9.644	9.644	(0.877)	92133	5.00000	4.98276
24	4-Methyl-2-pentanone	85	10.511	10.511	(0.956)	38747	5.00000	5.32273
$ 25	Toluene-d8	98	10.656	10.656	(0.969)	293996	5.00000	5.50327(A)
26	Toluene-CCC	92	10.728	10.728	(0.976)	232835	5.00000	5.04568
* 27	2-Fluorotoluene	109	10.993	10.993	(1.000)	324554	5.00000	
28	1,1,2-Trichloroethane	97	11.234	11.234	(1.022)	90076	5.00000	4.84914
29	Tetrachloroethene	164	11.331	11.331	(1.031)	95855	5.00000	4.51528
30	Chlorobenzene	112	12.325	12.325	(1.121)	265574	5.00000	4.85887
31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	146206	5.00000	4.92735
32	1,1,1,2-Tetrachloroethane	131	12.402	12.402	(1.128)	86283	5.00000	4.45110
33	m,p-Xylene	106	12.506	12.506	(1.138)	411817	10.0000	9.91819
34	o-Xylene	106	12.956	12.956	(1.178)	149923	5.00000	4.54333
35	Styrene	104	12.956	12.956	(1.178)	276760	5.00000	4.99250
36	a-Pinene	93	13.230	13.230	(1.203)	207100	5.00000	5.34970
37	1,1,2,2-Tetrachloroethane-SPC	83	13.614	13.614	(1.238)	214747	5.00000	5.28391
38	Propylbenzene	91	13.669	13.669	(1.243)	804722	5.00000	5.08621
39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	77853	5.00000	4.90196
40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	330696	5.00000	4.43931
41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	447138	5.00000	4.75968
42	R-(+)-Limonene	68	14.367	14.367	(1.307)	208776	5.00000	5.31247
43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	218120	5.00000	4.26711
44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	298983	5.00000	4.50874
45	1,2-Dichlorobenzene	146	14.897	14.897	(1.355)	210021	5.00000	4.46776
46	1,4-Dithiane	120	15.380	15.380	(1.399)	178830	5.00000	4.73700
47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	241878	5.00000	4.52630
48	Naphthalene	128	16.778	16.778	(1.526)	547591	5.00000	4.64378
49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	243912	5.00000	4.60428

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042303sim.d
Lab Smp Id: 2595-224-5.0
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Client Smp ID: CCV
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	324554	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/23Apr2015.b/c042303sim.d

Date : 23-APR-2015 09:09

Client ID: CCV

Instrument: msdc.i

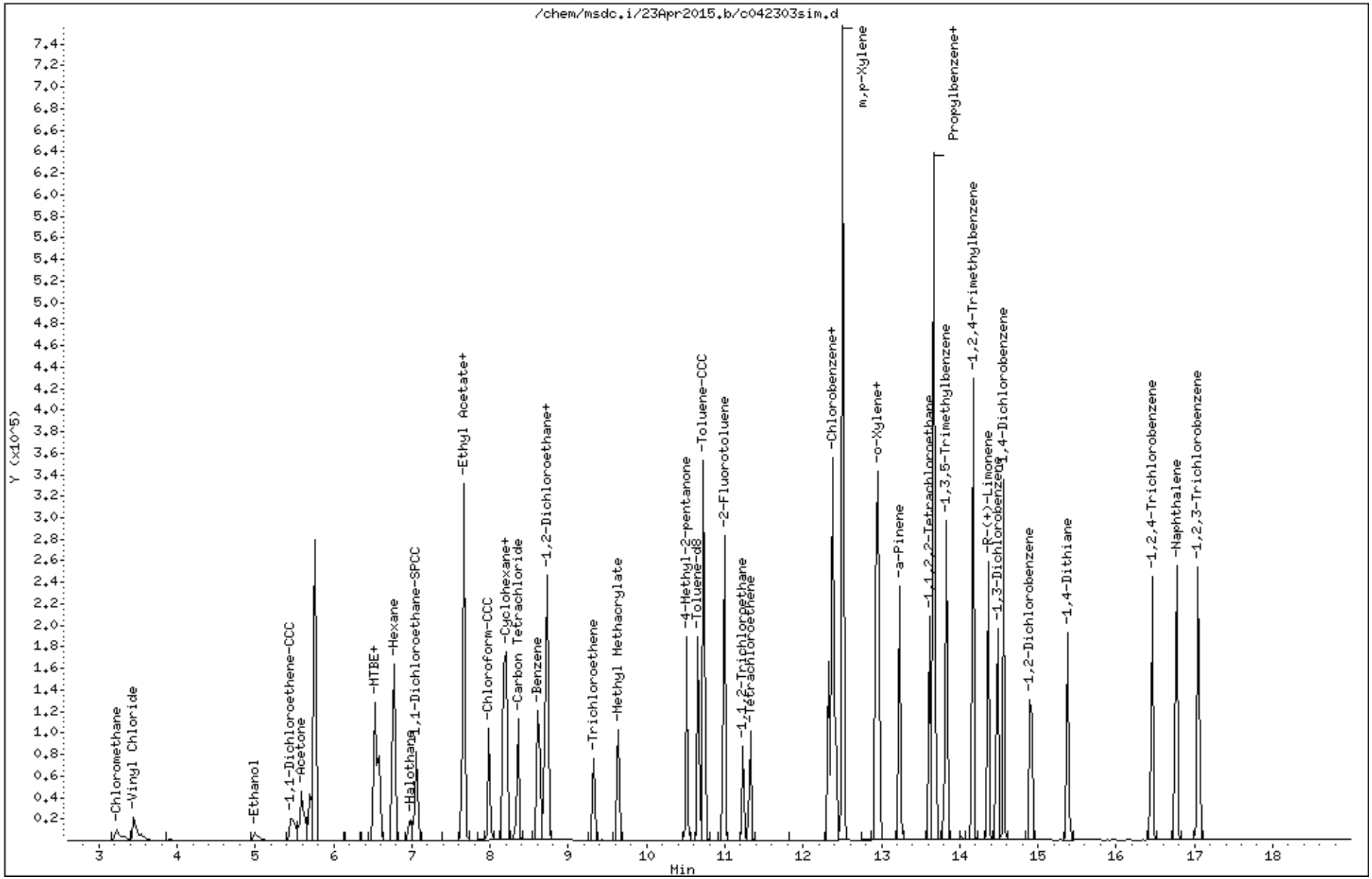
Sample Info: ;2595-224-5.0;CCV

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1504309R2-11A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042304sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 09:57 AM**	
		Date of Extraction: 4/23/15	

Compound	%Recovery	Method Limits
1,1,1-Trichloroethane	102	70-130
Benzene	87	70-130
1,2-Dichloroethane	88	70-130
Trichloroethene	87	70-130
Toluene	90	70-130
Tetrachloroethene	82	70-130
Ethyl Benzene	90	70-130
m,p-Xylene	85	70-130
o-Xylene	71	70-130
Naphthalene	8.3	5-80
1,1-Dichloroethane	92	70-130
1,1-Dichloroethene	89	70-130
cis-1,2-Dichloroethene	92	70-130
trans-1,2-Dichloroethene	85	70-130
1,1,2-Trichloroethane	88	70-130
1,2,4-Trimethylbenzene	78	70-130
1,3,5-Trimethylbenzene	78	70-130
Vinyl Chloride	85	50-140

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	114	70-130

Report Date: 23-Apr-2015 10:22

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504275/309/364/379 Client Smp ID: LCS
Level: MED Operator: gm
Data Type: MS DATA SampleType: LCS
SpikeList File: RadLCS-CM.spk Quant Type: ISTD
Sublist File: all-cm.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

	SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
2	Vinyl Chloride	10.0000	8.49726	84.97	50-140
3	Ethanol	10.0000	5.04430	50.44	50-130
4	1,1-Dichloroethene	10.0000	8.90217	89.02	70-130
5	Acetone	10.0000	7.96498	79.65	70-130
7	MTBE	10.0000	9.60200	96.02	70-130
8	trans-1,2-Dichloro	10.0000	8.54932	85.49	70-130
9	Hexane	10.0000	11.8397	118.40	70-130
10	Halothane	10.0000	8.85217	88.52	70-130
11	1,1-Dichloroethane	10.0000	9.23792	92.38	70-130
12	Ethyl Acetate	10.0000	9.58831	95.88	70-130
13	2-Butanone	10.0000	9.06466	90.65	70-130
14	cis-1,2-Dichloroet	10.0000	9.24573	92.46	70-130
15	Chloroform-CCC	10.0000	9.01035	90.10	70-130
16	Cyclohexane	10.0000	9.71129	97.11	70-130
17	1,1,1-Trichloroeth	10.0000	10.1980	101.98	70-130
18	Carbon Tetrachlori	10.0000	9.50018	95.00	70-130
19	Benzene	10.0000	8.72455	87.25	70-130
20	1,2-Dichloroethane	10.0000	8.81647	88.16	70-130
21	Heptane	10.0000	9.23254	92.33	70-130
22	Trichloroethene	10.0000	8.73052	87.31	70-130
23	Methyl Methacrylat	10.0000	9.03686	90.37	70-130
24	4-Methyl-2-pentano	10.0000	9.93014	99.30	70-130
26	Toluene-CCC	10.0000	9.01514	90.15	70-130
28	1,1,2-Trichloroeth	10.0000	8.78588	87.86	70-130
29	Tetrachloroethene	10.0000	8.18532	81.85	70-130
30	Chlorobenzene	10.0000	7.82615	78.26	70-130
31	Ethylbenzene-CCC	10.0000	9.02900	90.29	70-130
32	1,1,1,2-Tetrachlor	10.0000	8.09804	80.98	70-130
33	m,p-Xylene	20.0000	17.0642	85.32	70-130
34	o-Xylene	10.0000	7.10558	71.06	70-130
35	Styrene	10.0000	5.22508	52.25	20-100
36	a-Pinene	10.0000	11.5502	115.50	70-130
37	1,1,2,2-Tetrachlor	10.0000	8.57836	85.78	70-130

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
38 Propylbenzene	10.0000	8.31506	83.15	70-130
39 1,2,3-Trichloropro	10.0000	8.25945	82.59	70-130
40 1,3,5-Trimethylben	10.0000	7.85247	78.52	70-130
41 1,2,4-Trimethylben	10.0000	7.82015	78.20	70-130
42 R-(+)-Limonene	10.0000	9.69708	96.97	70-130
43 1,3-Dichlorobenzen	10.0000	6.13372	61.34	50-110
44 1,4-Dichlorobenzen	10.0000	6.18585	61.86	50-110
45 1,2-Dichlorobenzen	10.0000	5.68329	56.83	50-110
46 1,4-Dithiane	10.0000	7.41653	74.17	50-110
47 1,2,4-Trichloroben	10.0000	5.00176	50.02	20-110
48 Naphthalene	10.0000	0.832735	8.33	5-80
49 1,2,3-Trichloroben	10.0000	4.10012	41.00	20-110

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	11.4361	114.36	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042304sim.d
Lab Smp Id: 1504275/309/364/379 Client Smp ID: LCS
Inj Date : 23-APR-2015 09:57
Operator : gm Inst ID: msdc.i
Smp Info : ;1504275/309/364/379;LCS
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 23-Apr-2015 09:36 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-cm.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2 Vinyl Chloride	62	3.444	3.444	(0.313)	68235	4.24863	8.49726
3 Ethanol	45	4.985	4.985	(0.453)	17874	2.52215	5.04430
4 1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	43924	4.45108	8.90217
5 Acetone	58	5.588	5.588	(0.508)	43302	3.98249	7.96498
7 MTBE	73	6.555	6.528	(0.596)	214065	4.80100	9.60200
8 trans-1,2-Dichloroethene	96	6.583	6.583	(0.599)	66043	4.27466	8.54932
9 Hexane	57	6.775	6.775	(0.616)	272452	5.91983	11.8397
10 Halothane	117	6.985	6.985	(0.635)	44737	4.42608	8.85217
11 1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	156035	4.61896	9.23792
12 Ethyl Acetate	70	7.662	7.662	(0.697)	22407	4.79416	9.58831
13 2-Butanone	72	7.684	7.662	(0.699)	46534	4.53233	9.06466
14 cis-1,2-Dichloroethene	96	7.684	7.684	(0.699)	77371	4.62286	9.24573
15 Chloroform-CCC	83	7.987	7.987	(0.726)	128265	4.50517	9.01035
16 Cyclohexane	84	8.203	8.203	(0.746)	139575	4.85564	9.71129
17 1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	134677	5.09901	10.1980
18 Carbon Tetrachloride	117	8.357	8.357	(0.760)	126080	4.75009	9.50018

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug)
	19	Benzene	78	8.634	8.603	(0.785)	282020	4.36227	8.72455
	20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	130955	4.40824	8.81647
	21	Heptane	71	8.726	8.726	(0.794)	111726	4.61627	9.23254
	22	Trichloroethene	130	9.331	9.331	(0.849)	93164	4.36526	8.73052
	23	Methyl Methacrylate	69	9.644	9.644	(0.877)	95826	4.51843	9.03686
	24	4-Methyl-2-pentanone	85	10.512	10.511	(0.956)	41455	4.96507	9.93014
$	25	Toluene-d8	98	10.656	10.656	(0.969)	350365	5.71804	11.4361
	26	Toluene-CCC	92	10.728	10.728	(0.976)	238574	4.50757	9.01514
*	27	2-Fluorotoluene	109	10.993	10.993	(1.000)	372254	5.00000	
	28	1,1,2-Trichloroethane	97	11.234	11.234	(1.022)	93595	4.39294	8.78588
	29	Tetrachloroethene	164	11.331	11.331	(1.031)	99652	4.09266	8.18532
	30	Chlorobenzene	112	12.325	12.325	(1.121)	245313	3.91308	7.82615
	31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	153643	4.51450	9.02900
	32	1,1,1,2-Tetrachloroethane	131	12.403	12.402	(1.128)	90024	4.04902	8.09804
	33	m,p-Xylene	106	12.506	12.506	(1.138)	406332	8.53211	17.0642
	34	o-Xylene	106	12.956	12.956	(1.178)	134467	3.55279	7.10558
	35	Styrene	104	12.956	12.956	(1.178)	166112	2.61254	5.22508
	36	a-Pinene	93	13.230	13.230	(1.203)	256425	5.77508	11.5502
	37	1,1,2,2-Tetrachloroethane-SPC	83	13.614	13.614	(1.238)	199939	4.28918	8.57836
	38	Propylbenzene	91	13.669	13.669	(1.243)	754467	4.15753	8.31506
	39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	75228	4.12972	8.25945
	40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	335461	3.92624	7.85247
	41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	421309	3.91007	7.82015
	42	R-(+)-Limonene	68	14.367	14.367	(1.307)	218548	4.84854	9.69708
	43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	179807	3.06686	6.13372
	44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	235241	3.09292	6.18585
	45	1,2-Dichlorobenzene	146	14.897	14.897	(1.355)	153213	2.84165	5.68329
	46	1,4-Dithiane	120	15.380	15.380	(1.399)	160568	3.70827	7.41653
	47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	153285	2.50088	5.00176
	48	Naphthalene	128	16.778	16.778	(1.526)	56313	0.41637	0.832735
	49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	124563	2.05006	4.10012

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042304sim.d
Lab Smp Id: 1504275/309/364/379
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Client Smp ID: LCS
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	372254	14.70

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Page 1

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

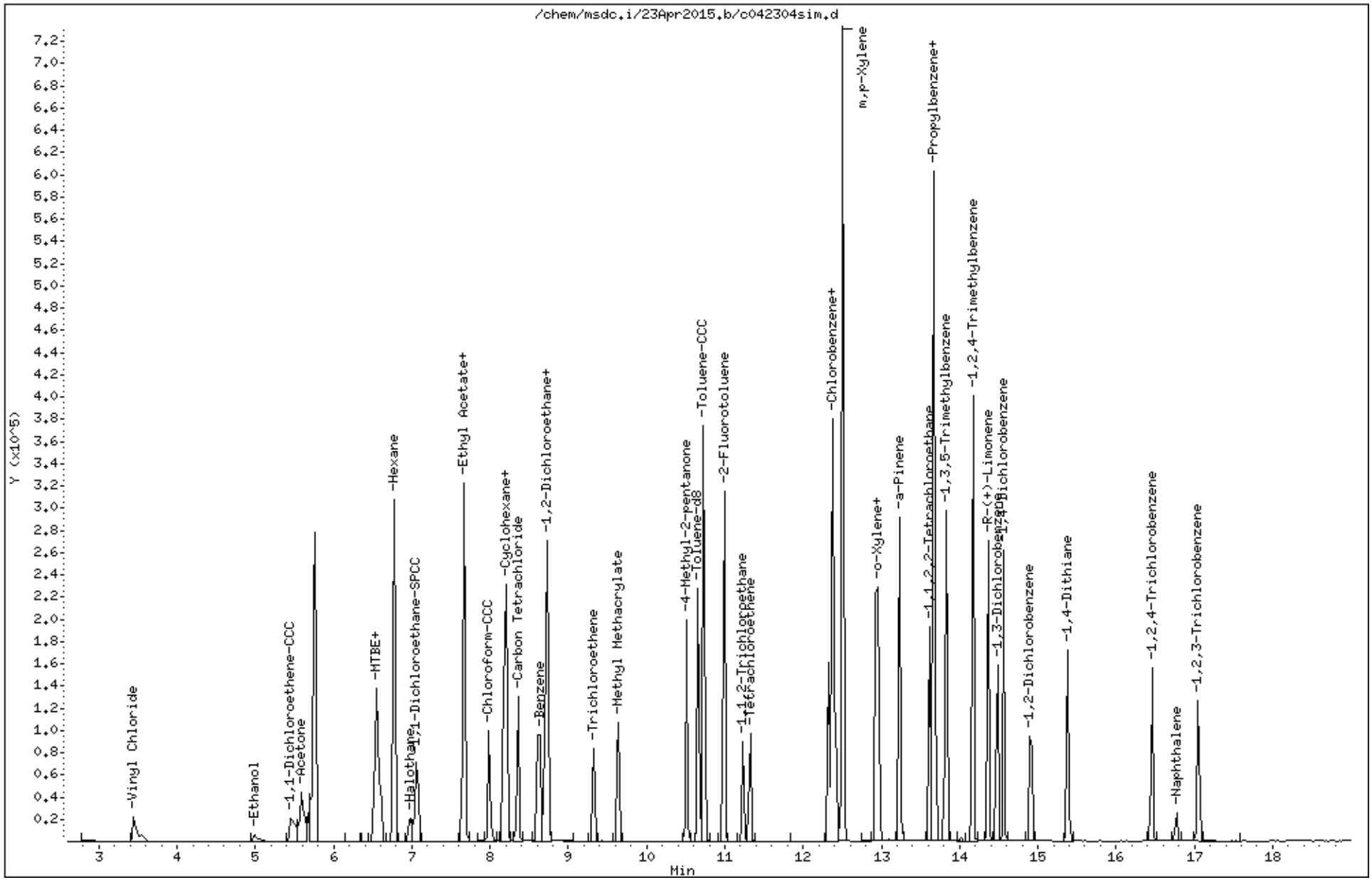
Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

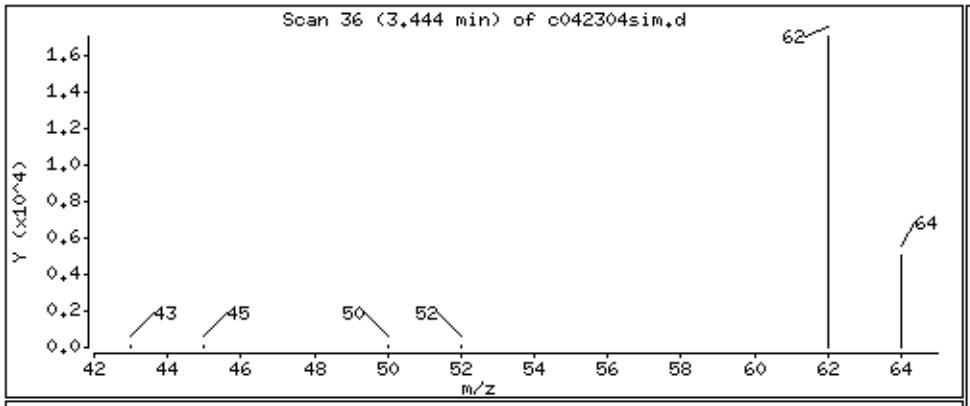
Operator: gm

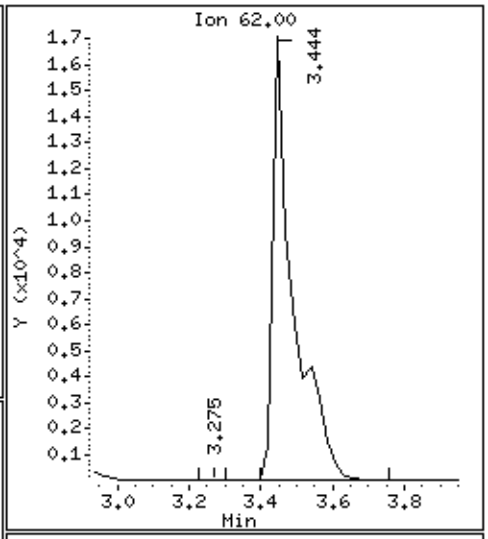
Column phase: DB-5.625

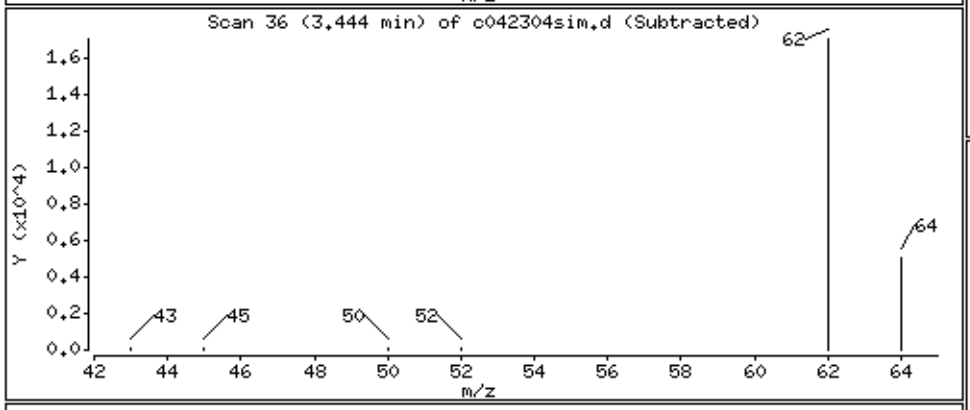
Column diameter: 0.25

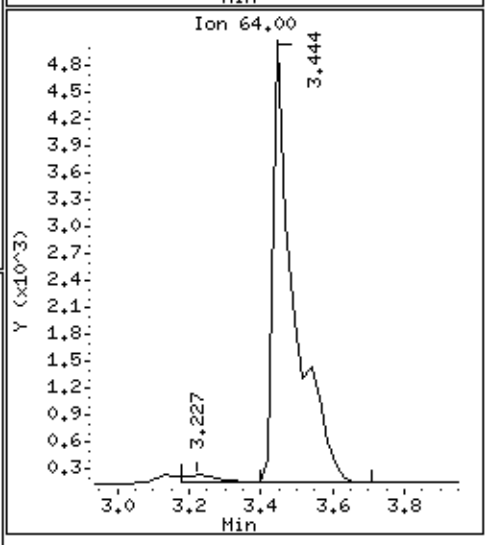
2 Vinyl Chloride

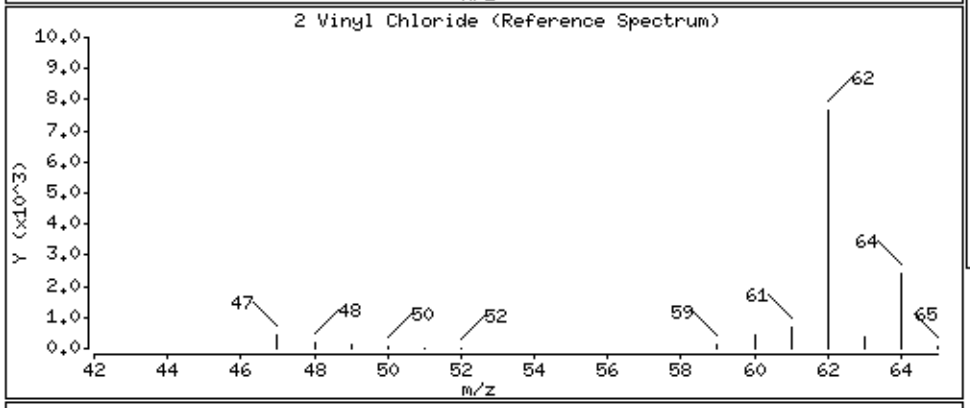
Concentration: 8.49726 ug

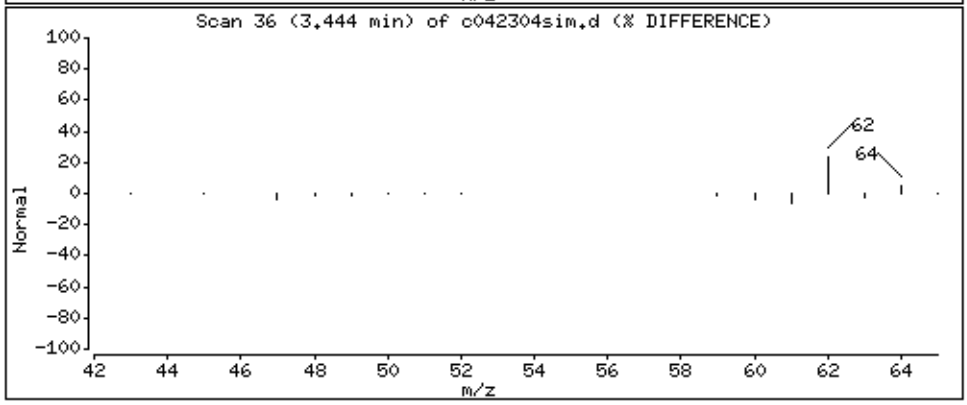












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

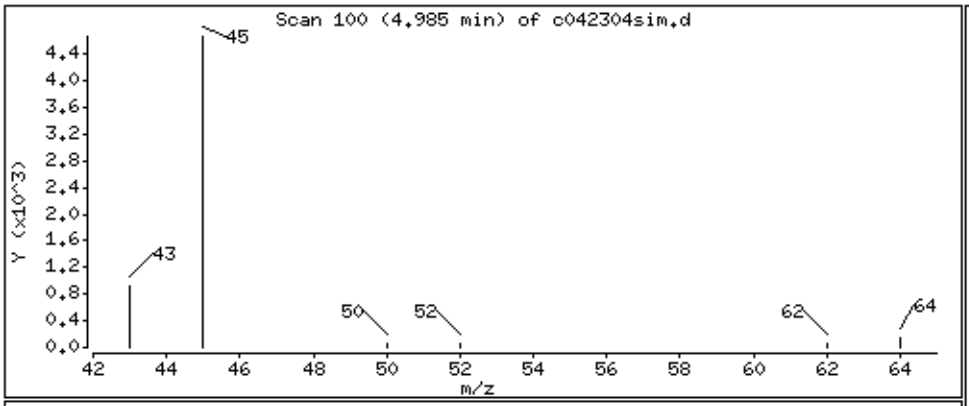
Operator: gm

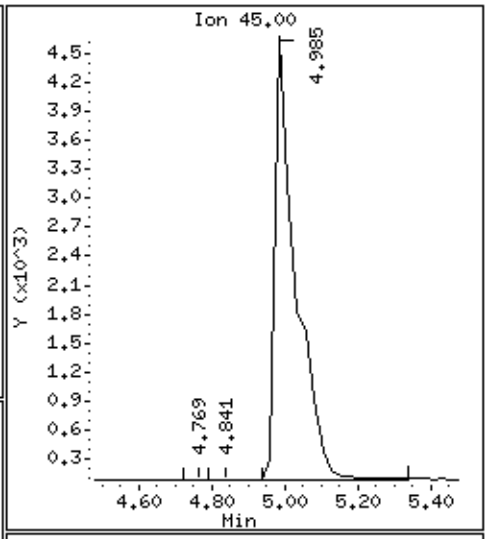
Column phase: DB-5.625

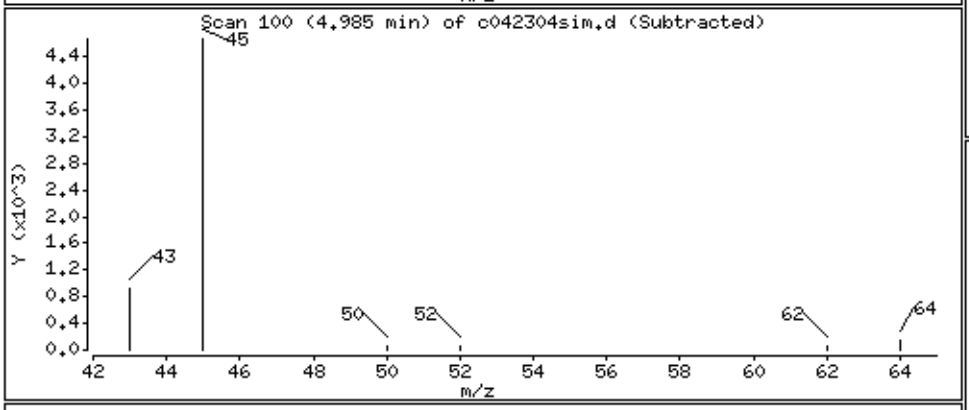
Column diameter: 0.25

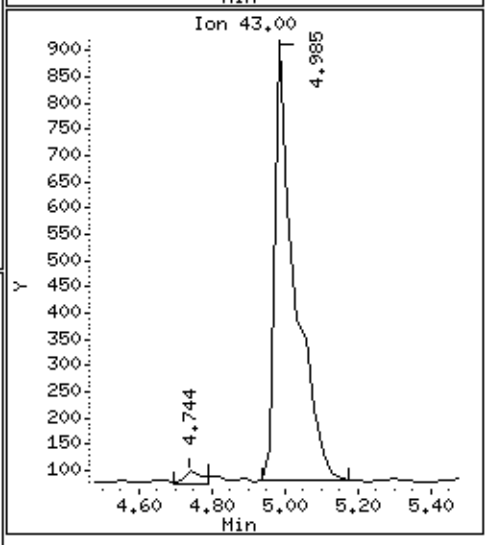
3 Ethanol

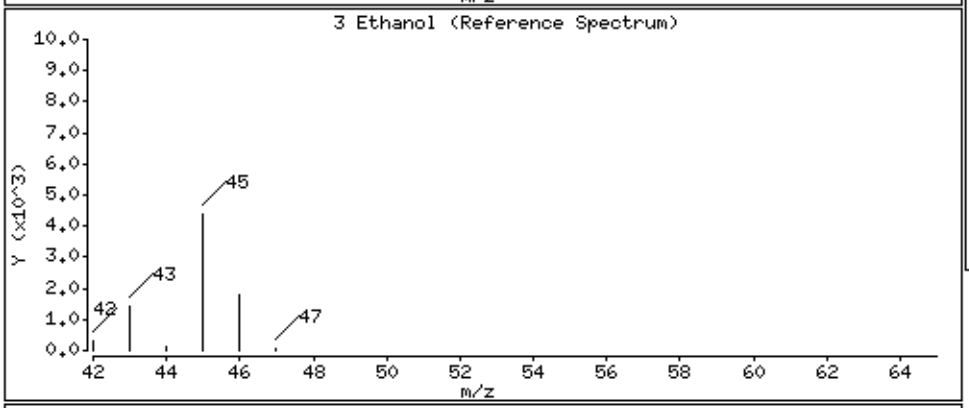
Concentration: 5.04430 ug

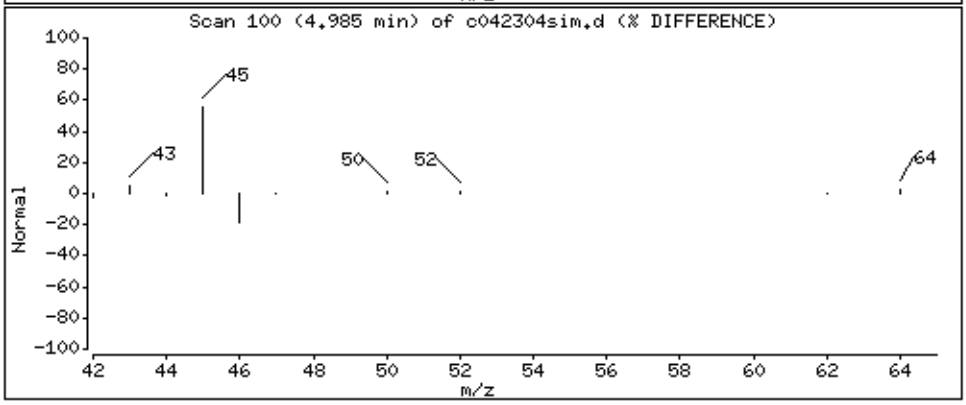












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

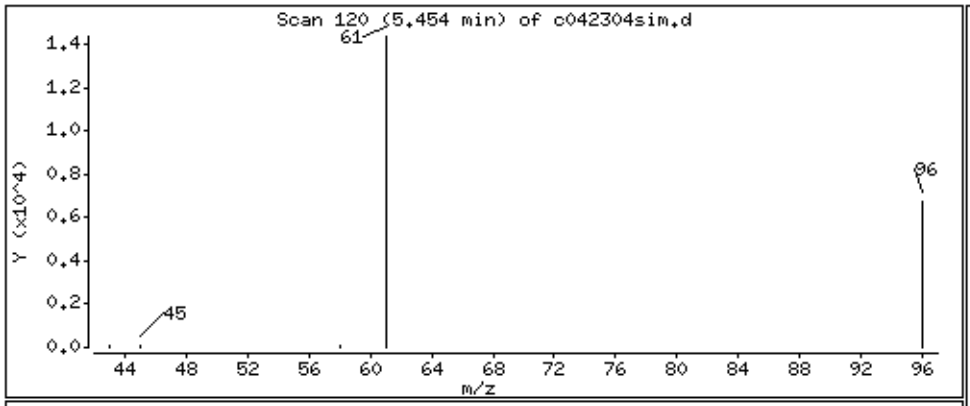
Operator: gm

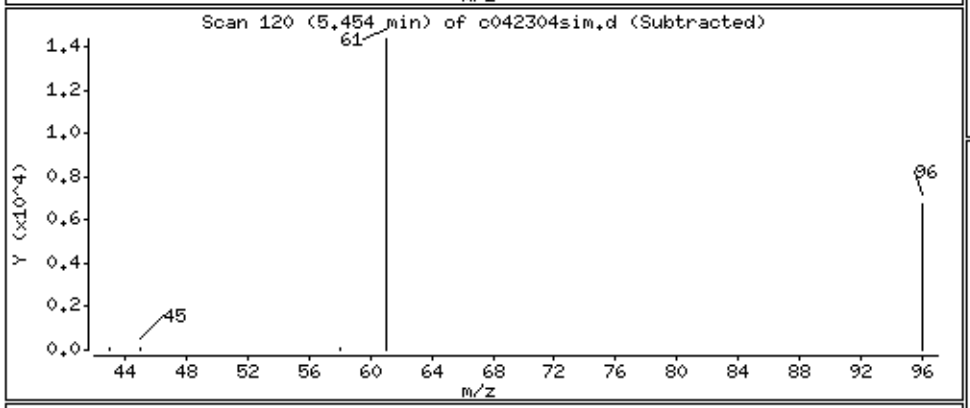
Column phase: DB-5.625

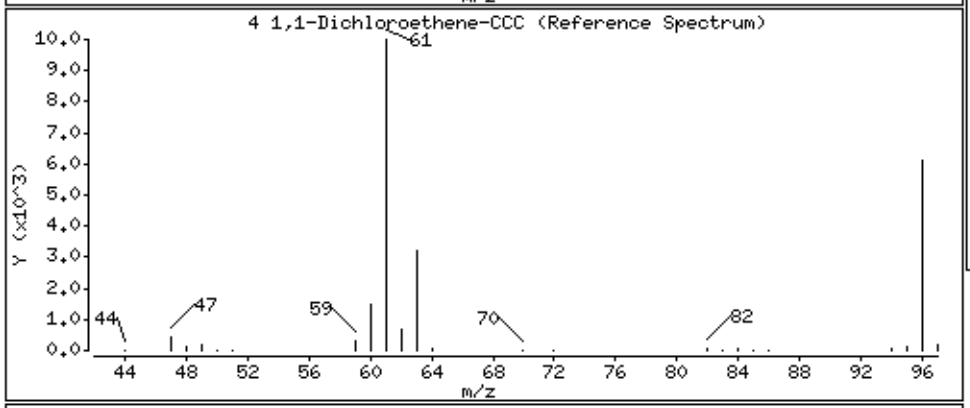
Column diameter: 0.25

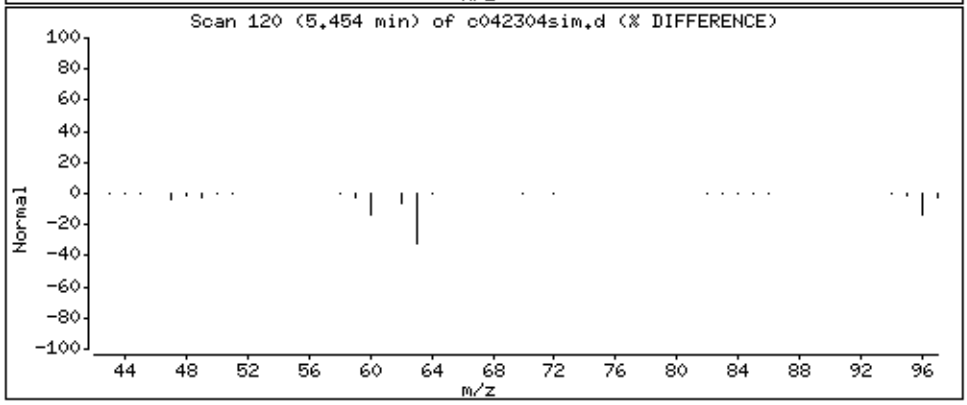
4 1,1-Dichloroethene-CCC

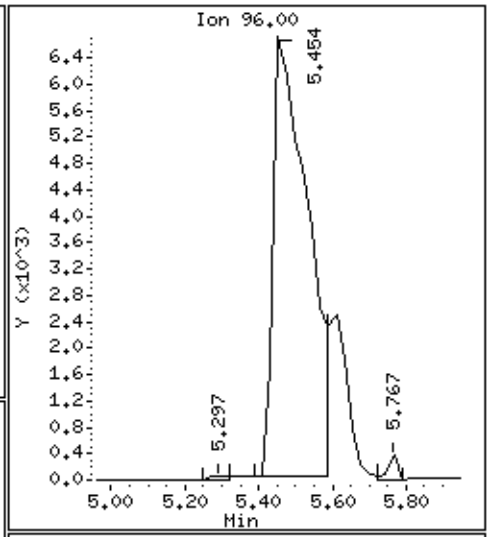
Concentration: 8.90217 ug

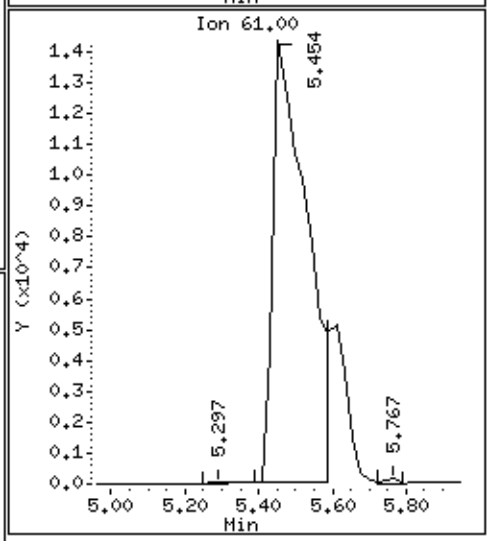












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

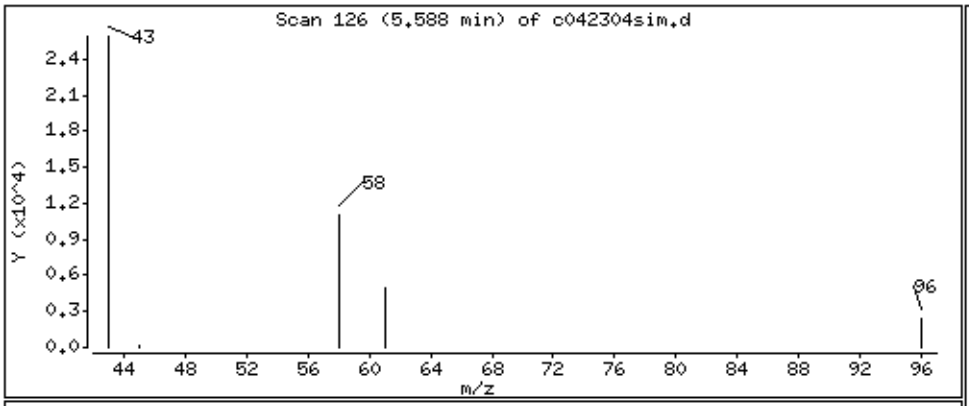
Operator: gm

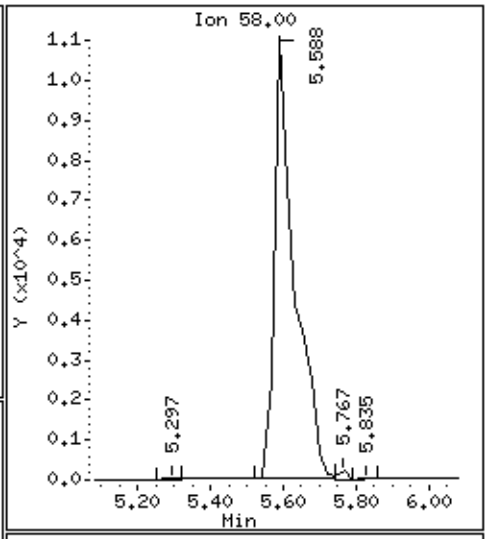
Column phase: DB-5.625

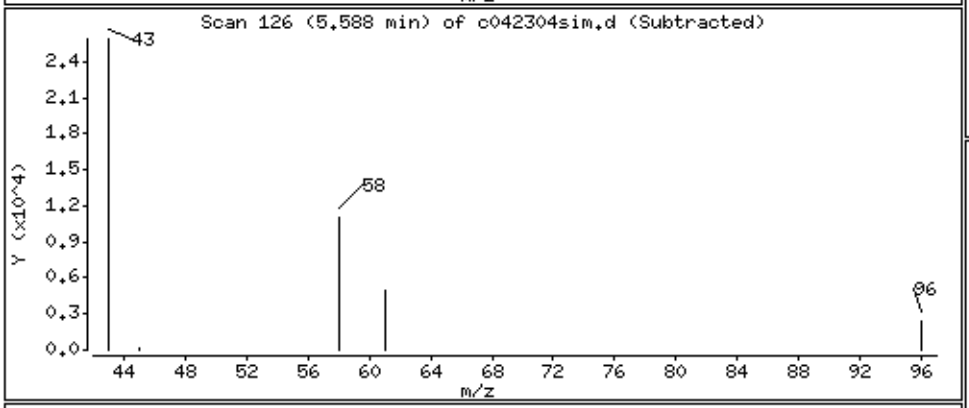
Column diameter: 0.25

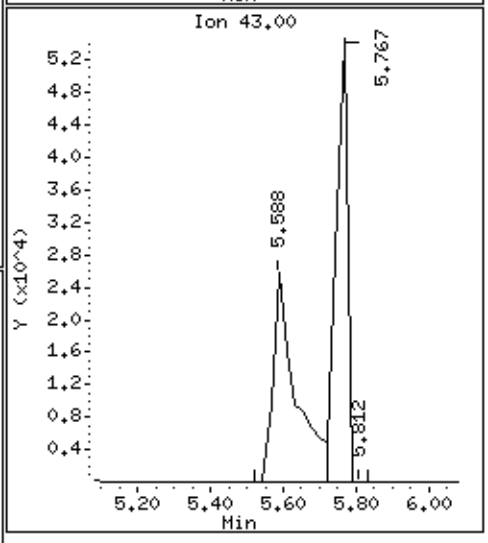
5 Acetone

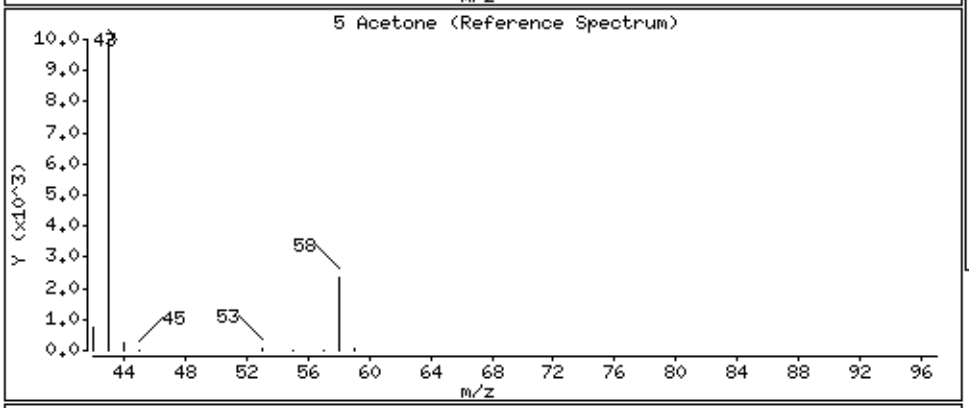
Concentration: 7.96498 ug

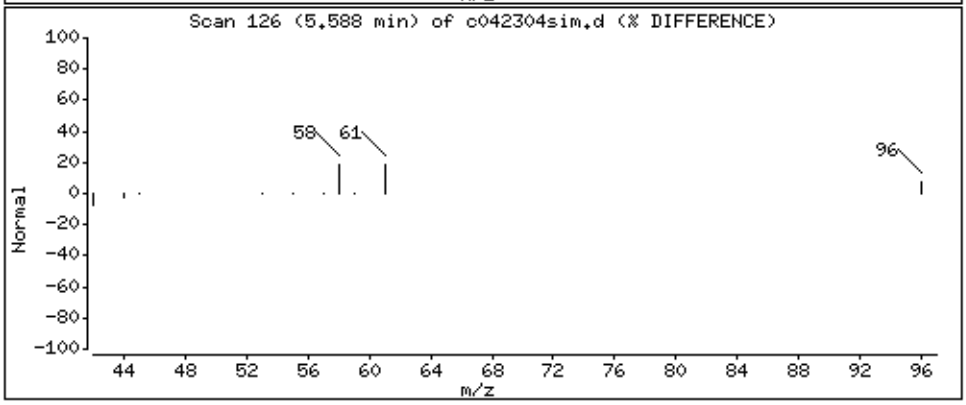












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

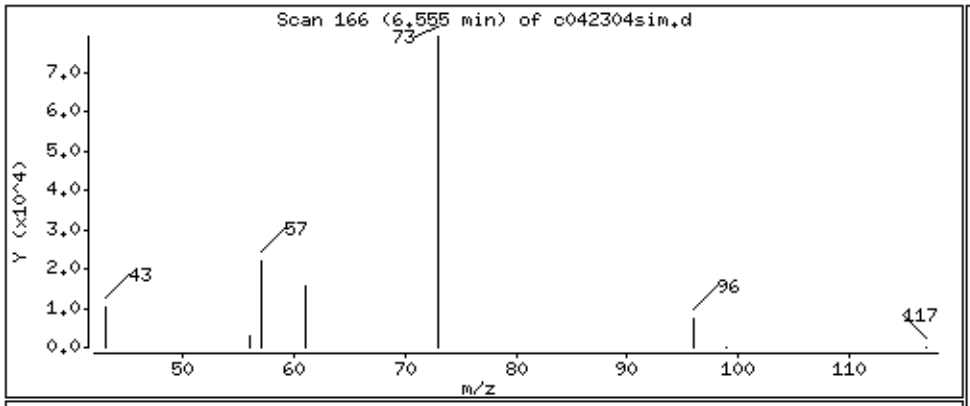
Operator: gm

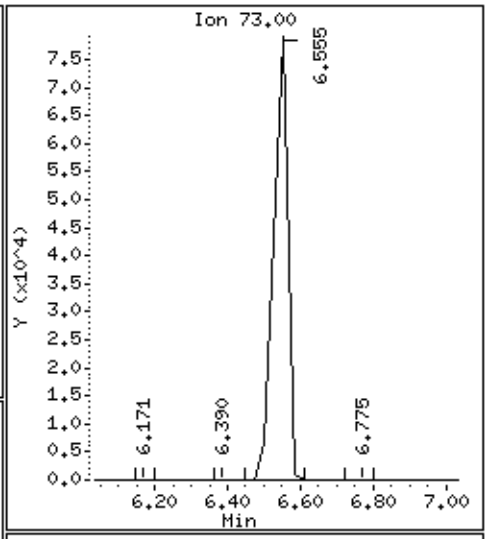
Column phase: DB-5.625

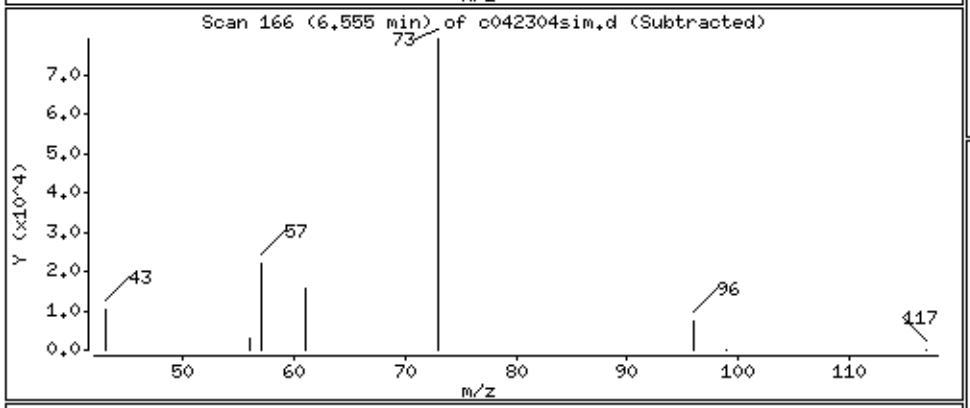
Column diameter: 0.25

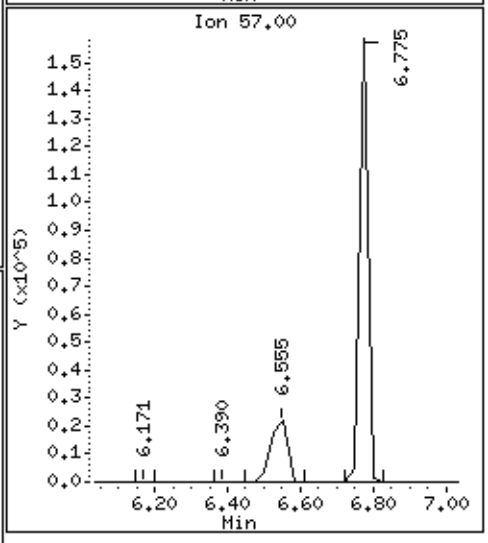
7 MTBE

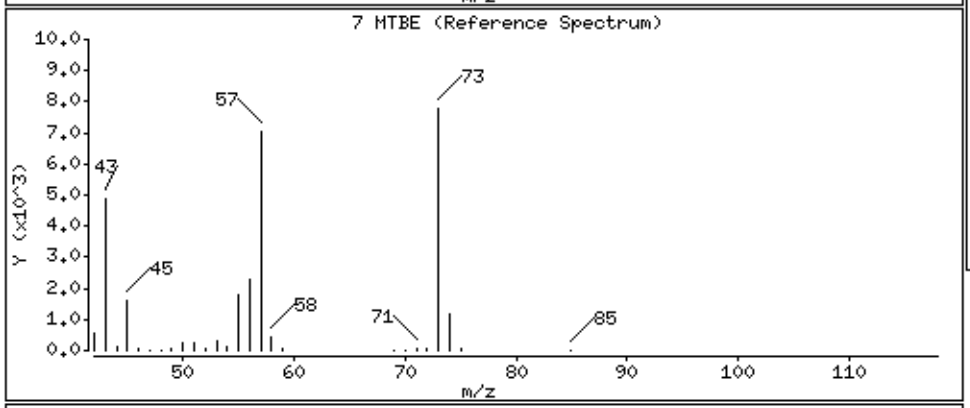
Concentration: 9.60200 ug

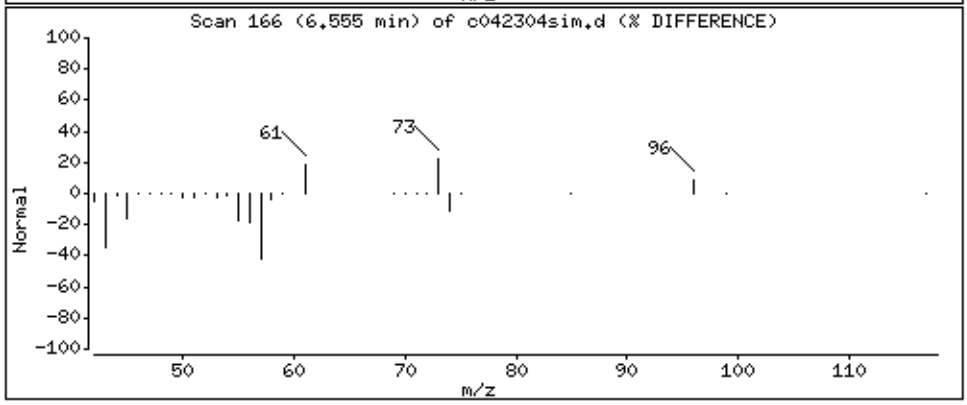












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

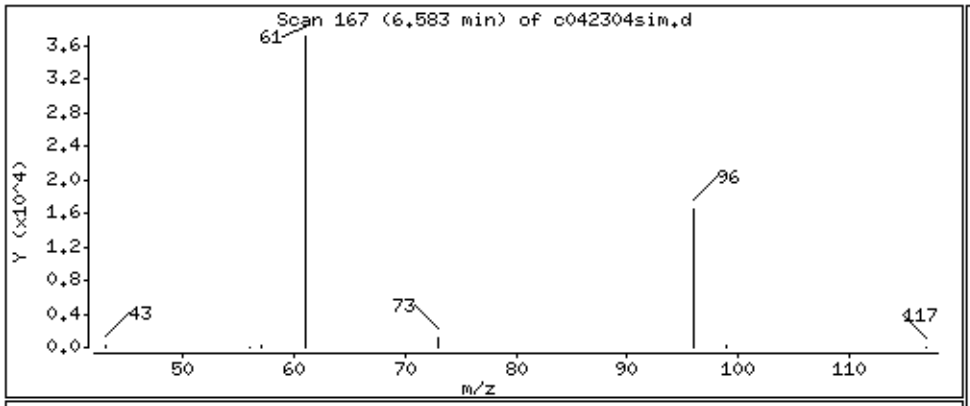
Operator: gm

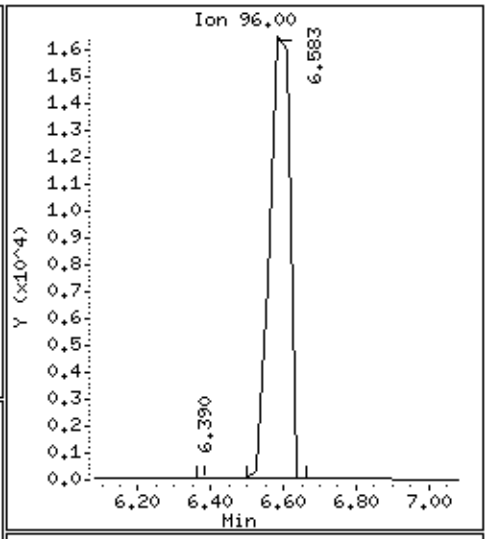
Column phase: DB-5.625

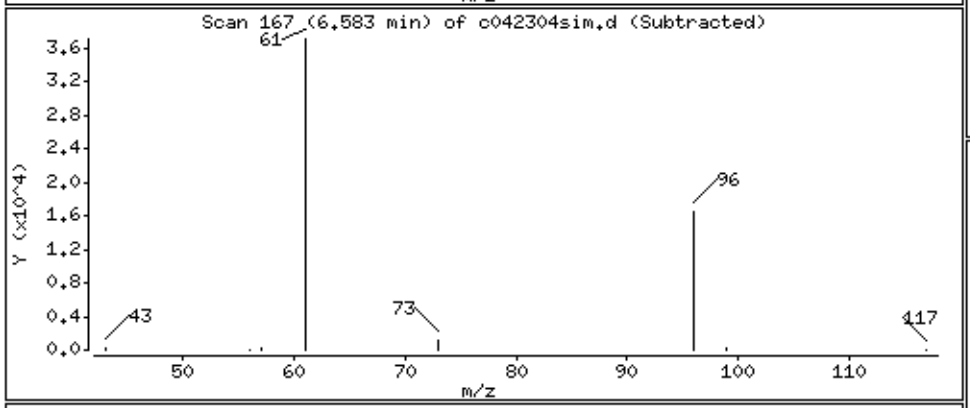
Column diameter: 0.25

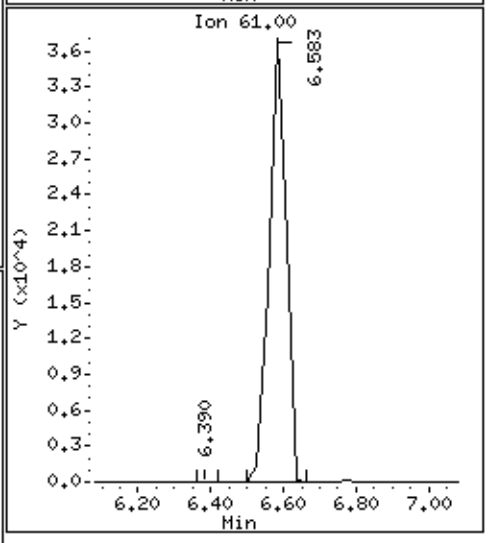
8 trans-1,2-Dichloroethene

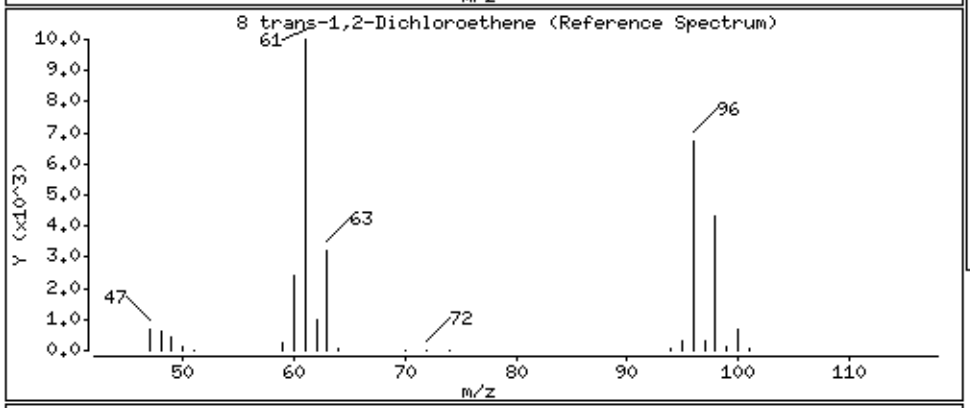
Concentration: 8.54932 ug

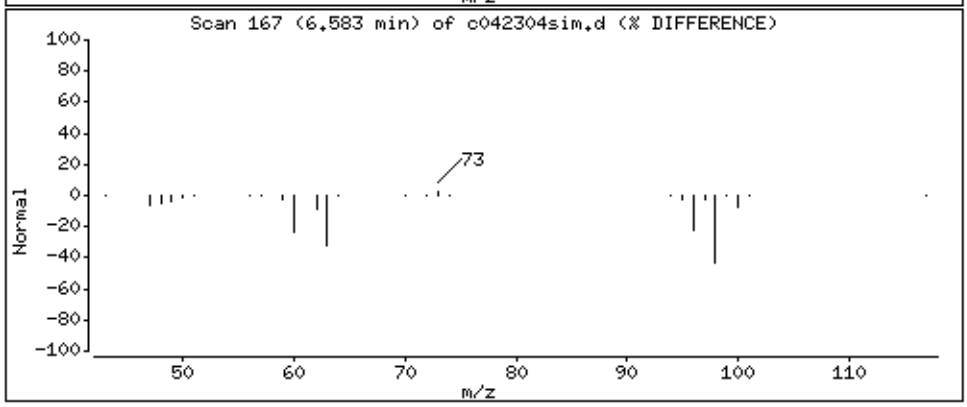












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

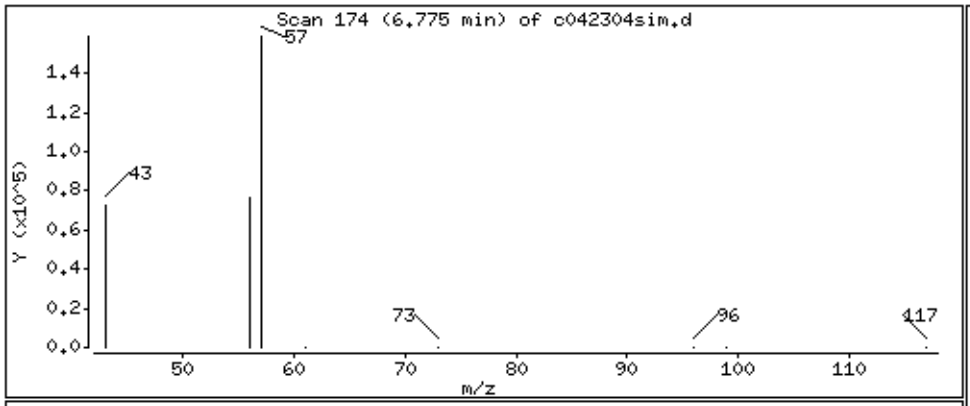
Operator: gm

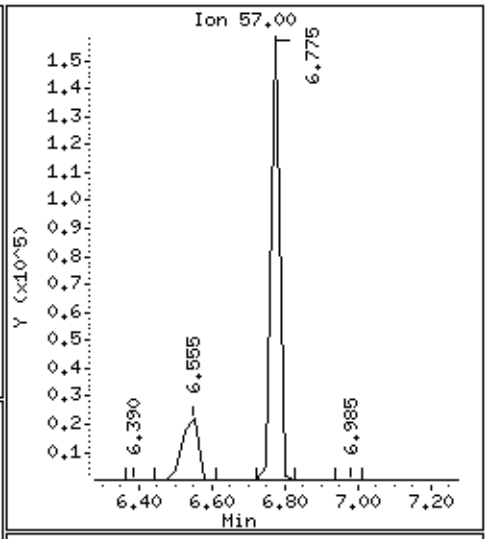
Column phase: DB-5.625

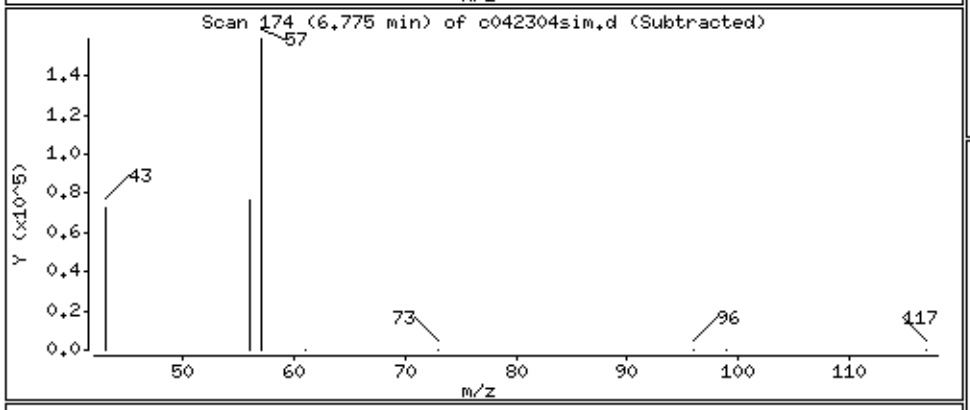
Column diameter: 0.25

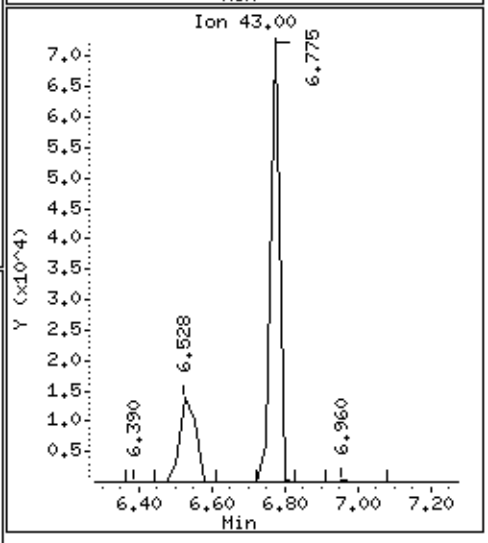
9 Hexane

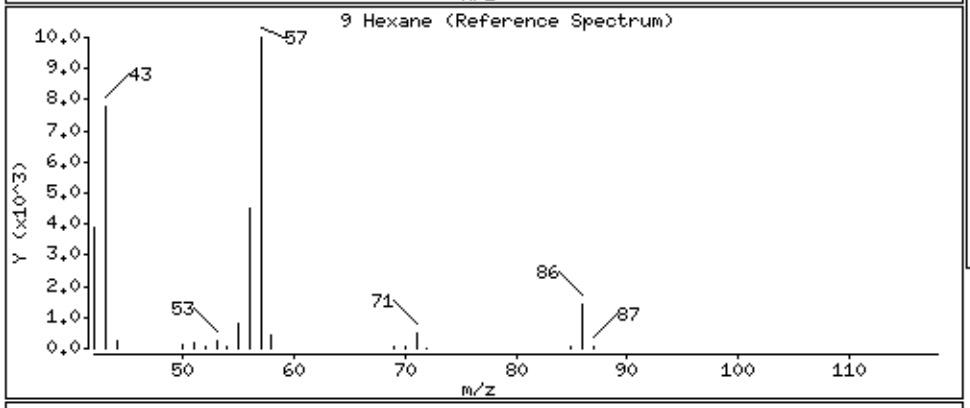
Concentration: 11.8397 ug

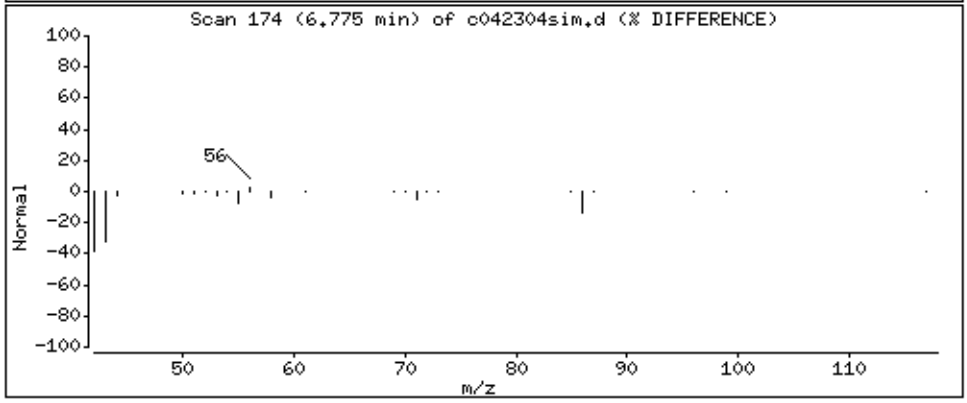












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

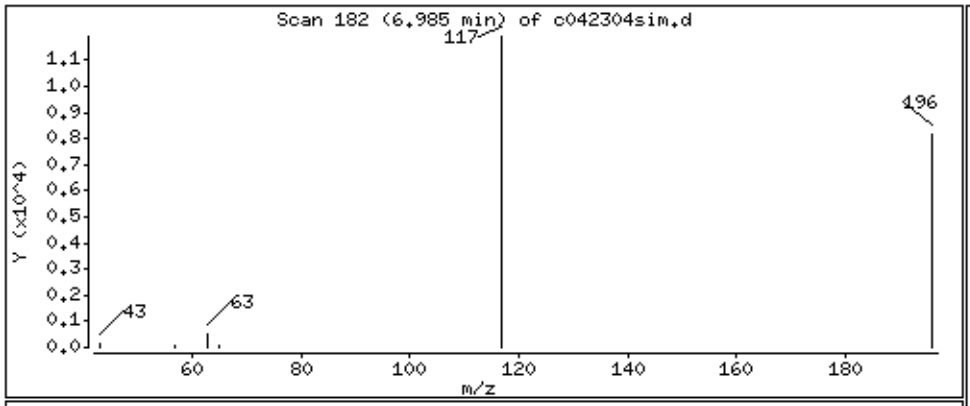
Operator: gm

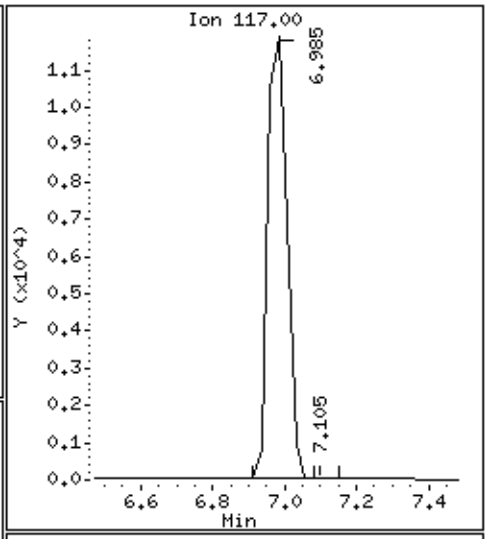
Column phase: DB-5.625

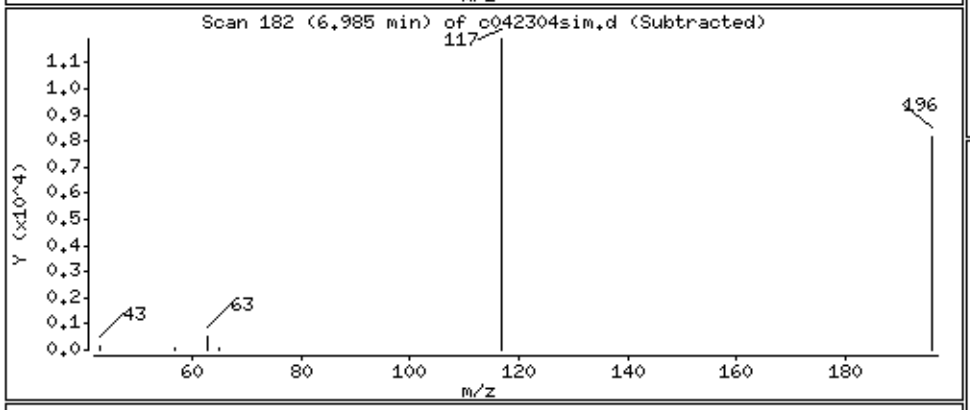
Column diameter: 0.25

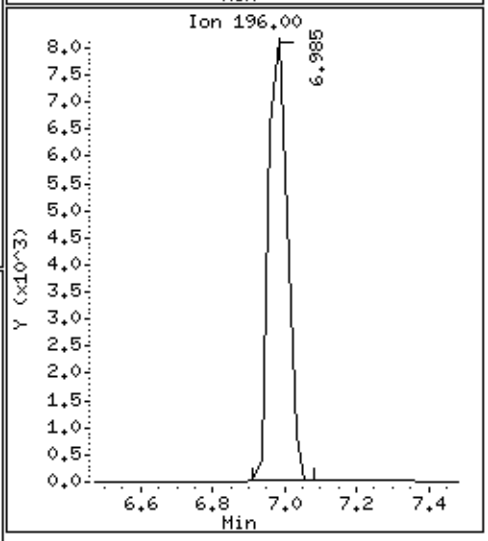
10 Halothane

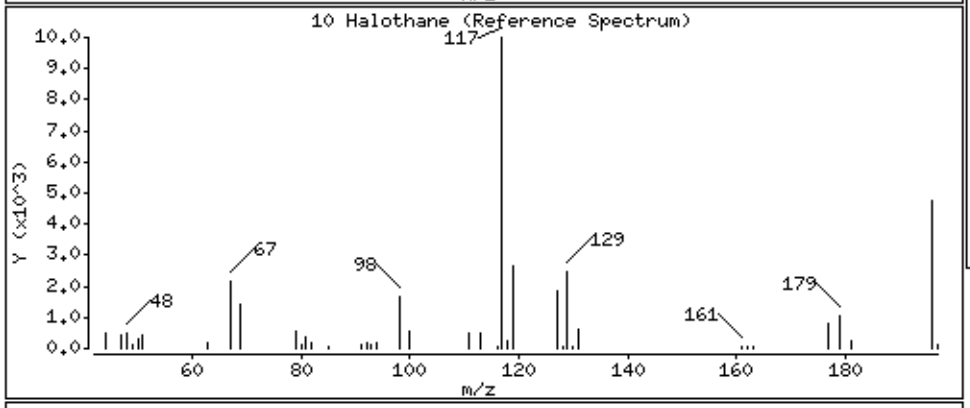
Concentration: 8.85217 ug

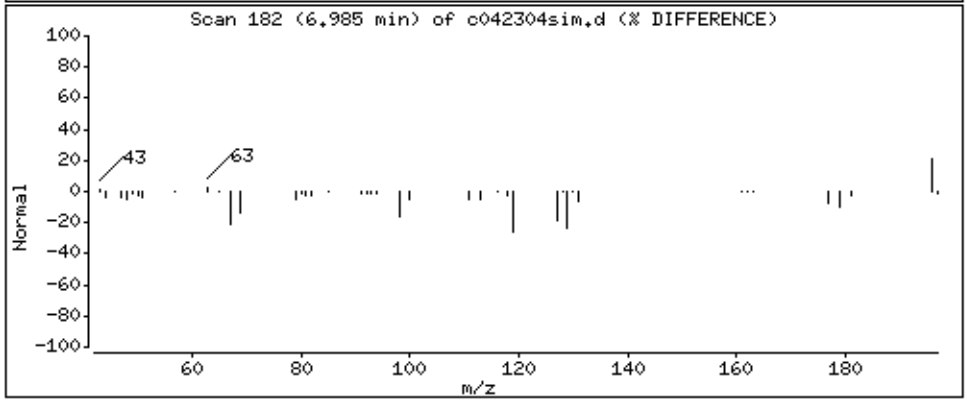












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

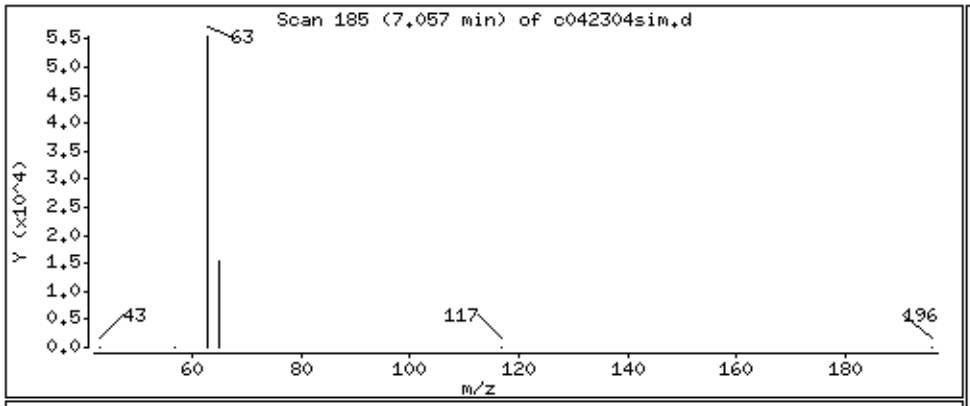
Operator: gm

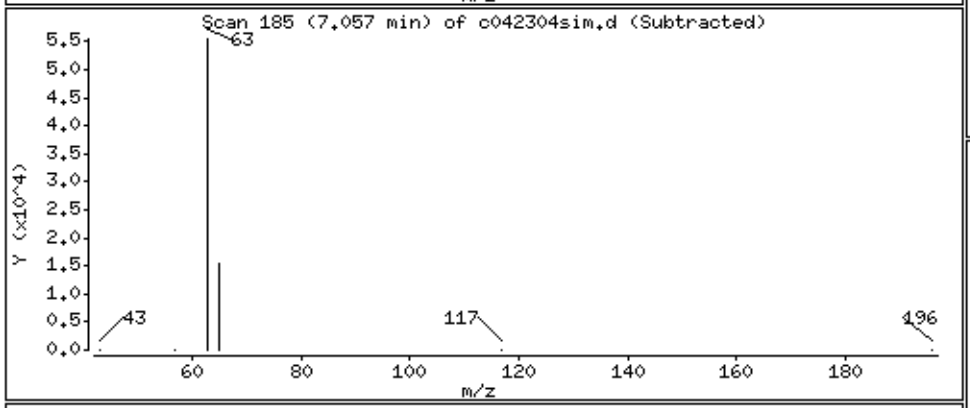
Column phase: DB-5.625

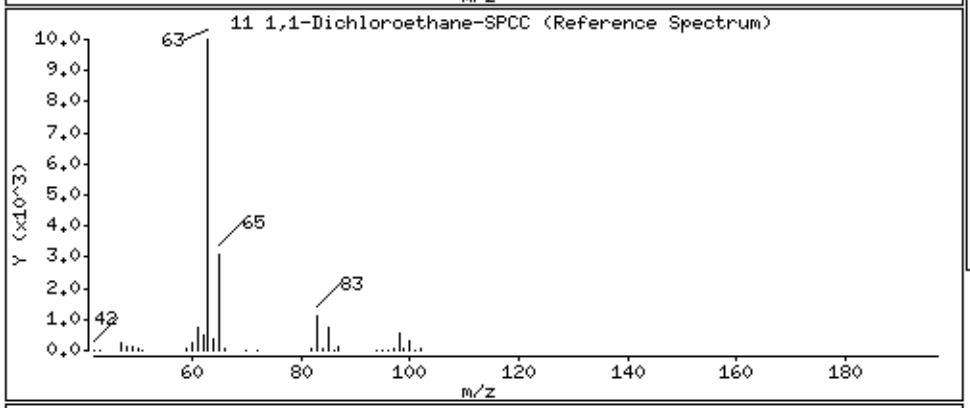
Column diameter: 0.25

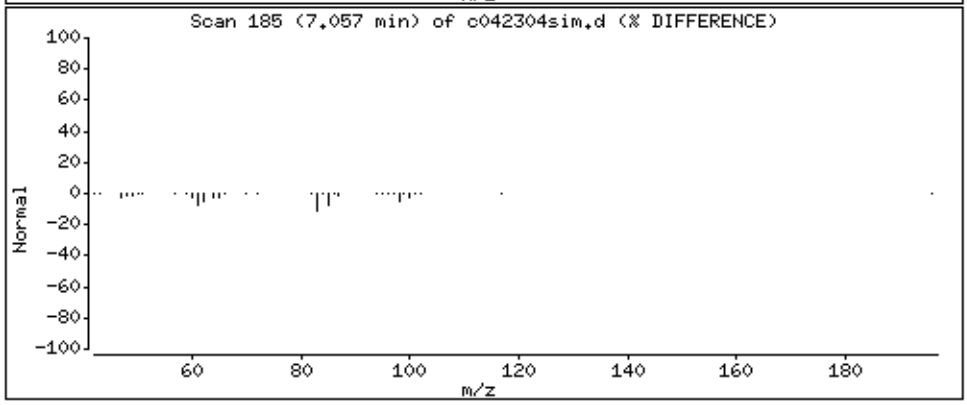
11 1,1-Dichloroethane-SPCC

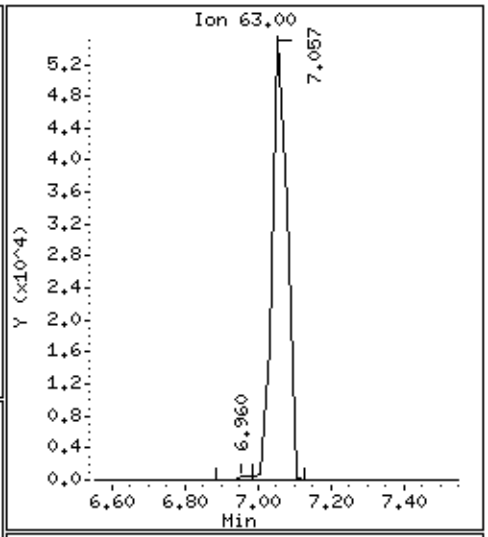
Concentration: 9.23792 ug

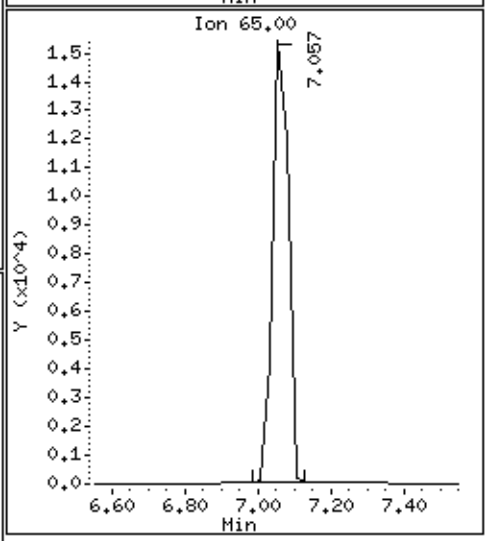












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

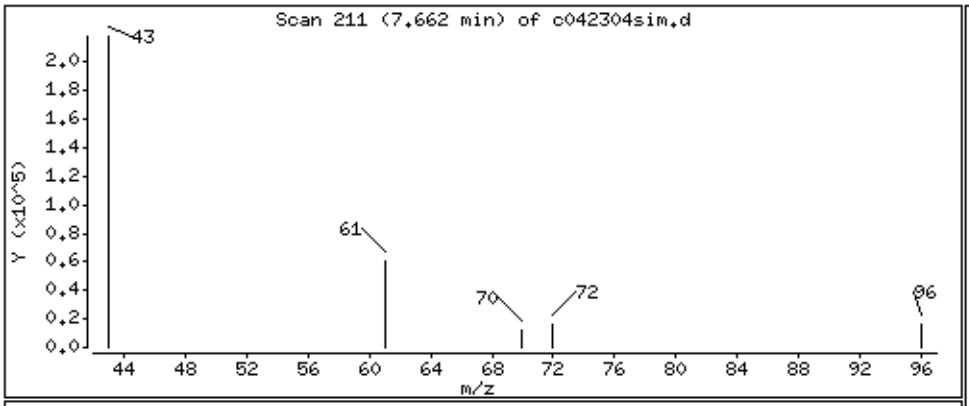
Operator: gm

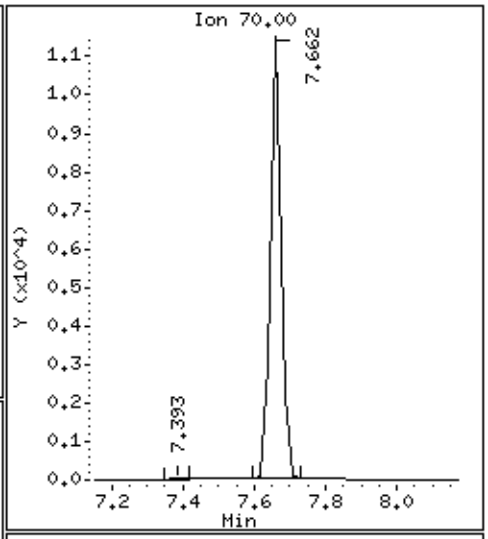
Column phase: DB-5.625

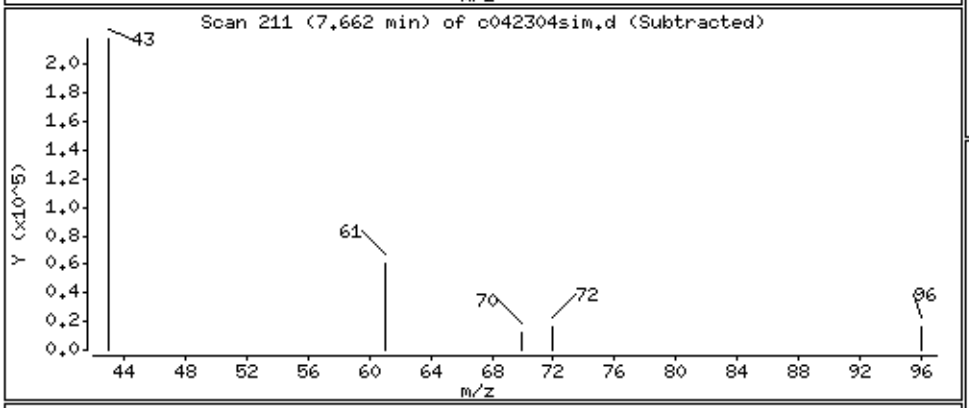
Column diameter: 0.25

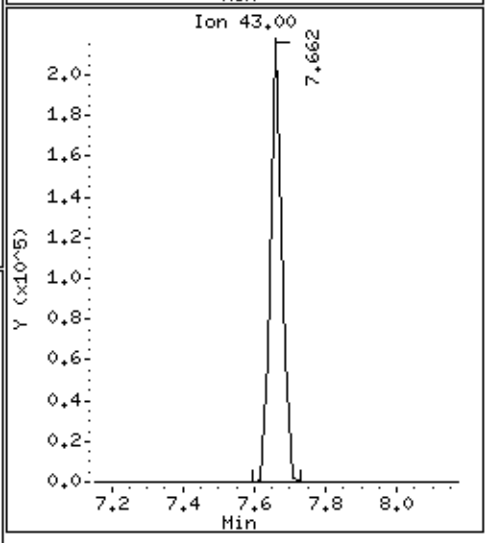
12 Ethyl Acetate

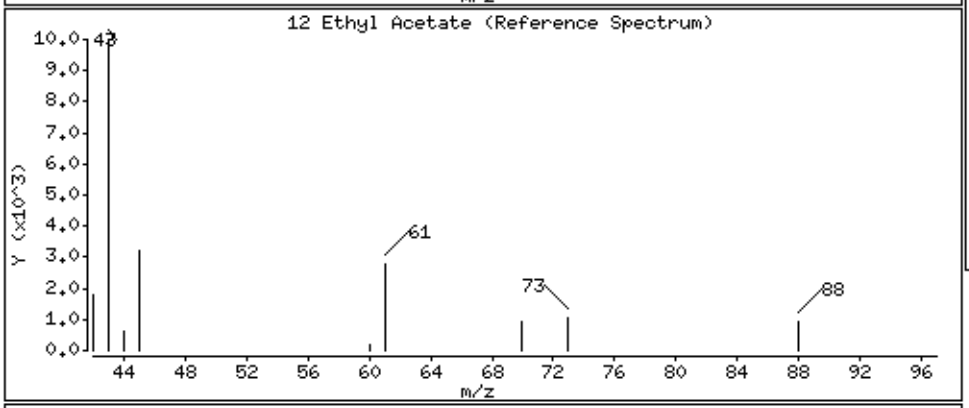
Concentration: 9.58831 ug

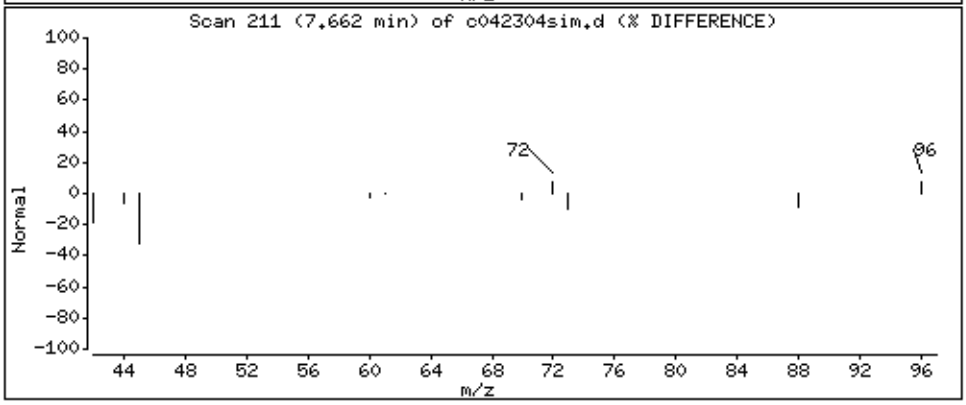












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

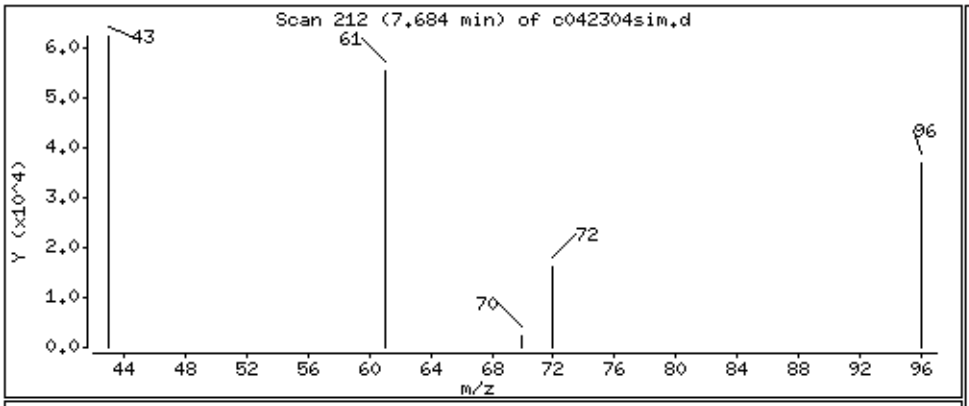
Operator: gm

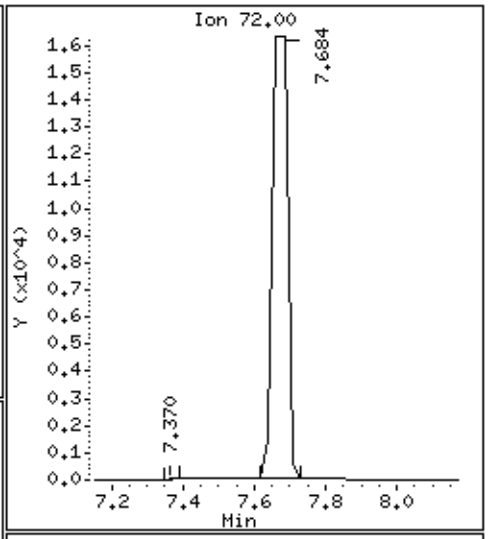
Column phase: DB-5.625

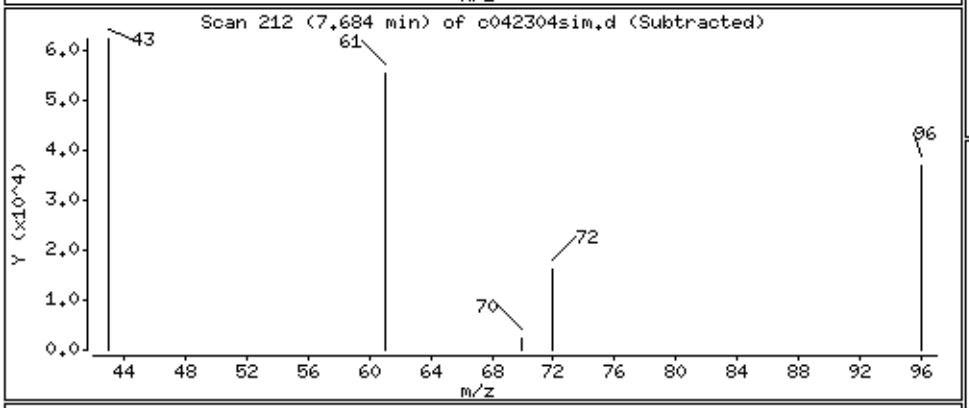
Column diameter: 0.25

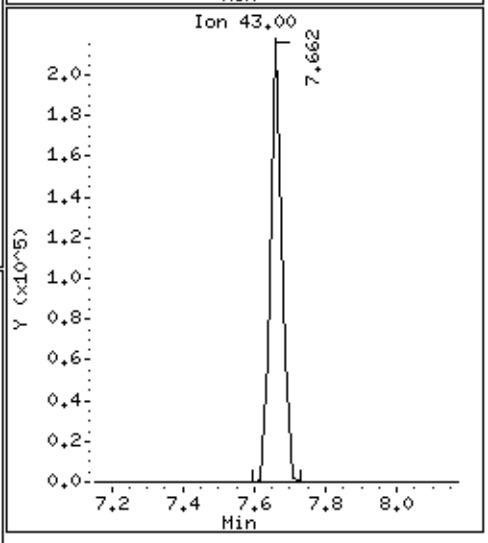
13 2-Butanone

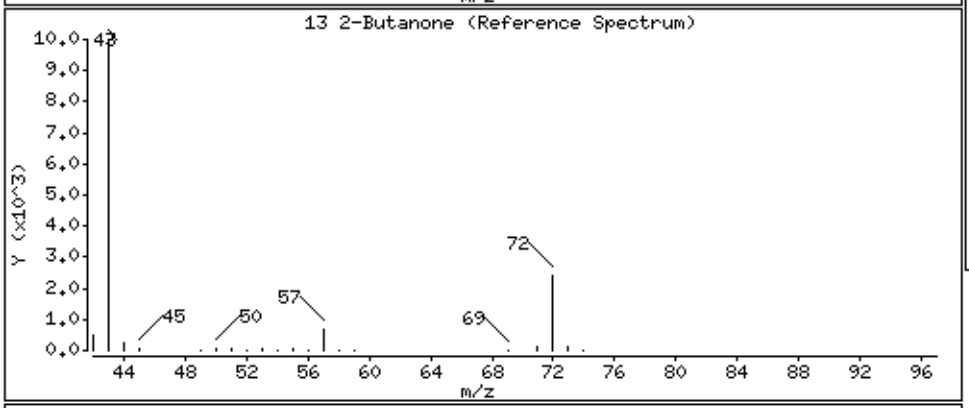
Concentration: 9.06466 ug

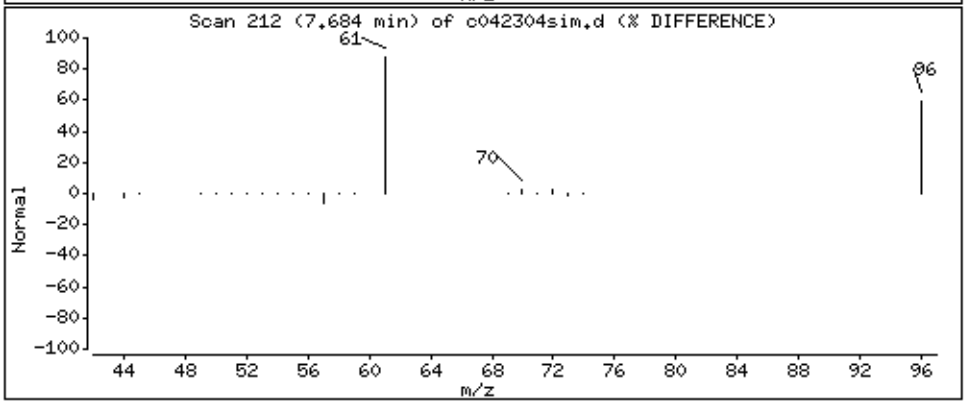












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

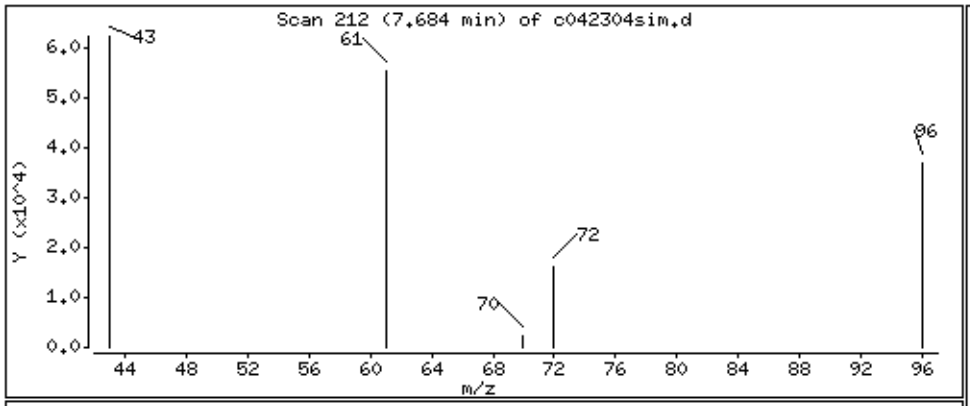
Operator: gm

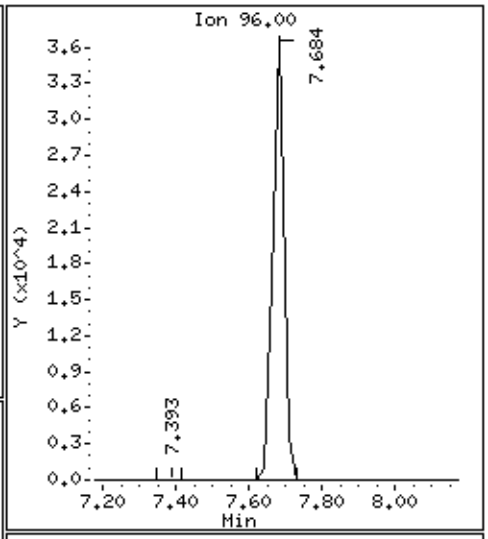
Column phase: DB-5.625

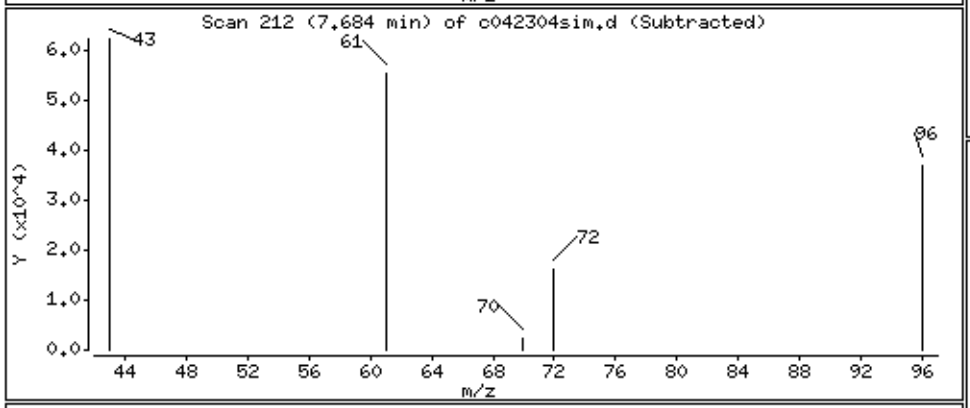
Column diameter: 0.25

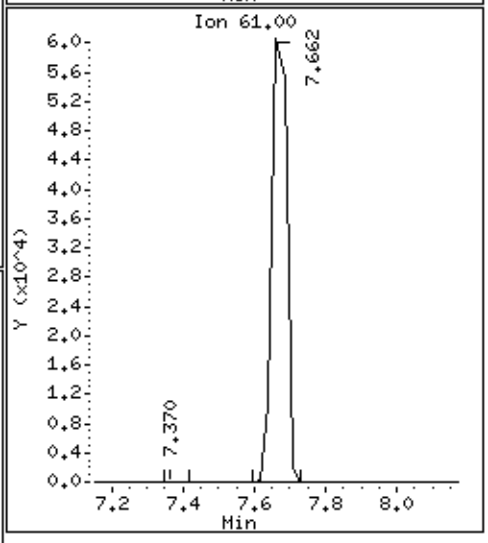
14 cis-1,2-Dichloroethene

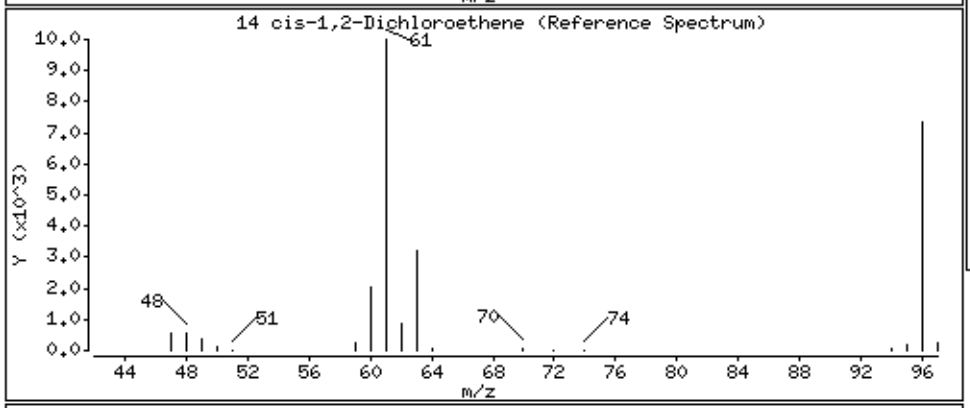
Concentration: 9.24573 ug

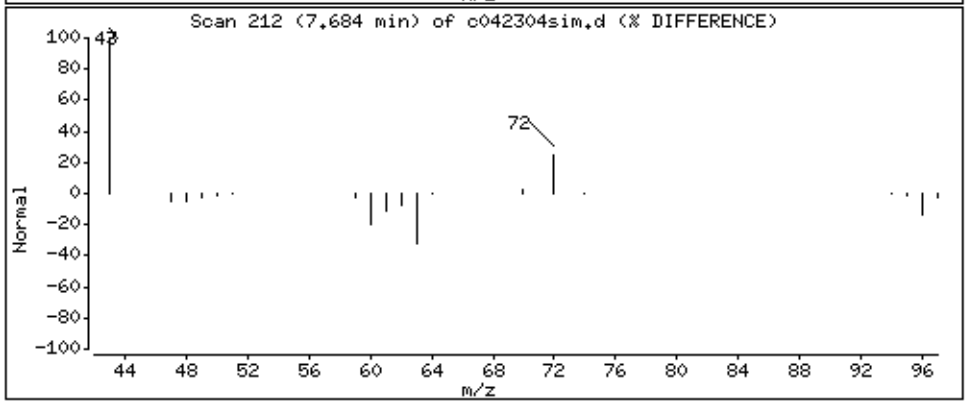












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

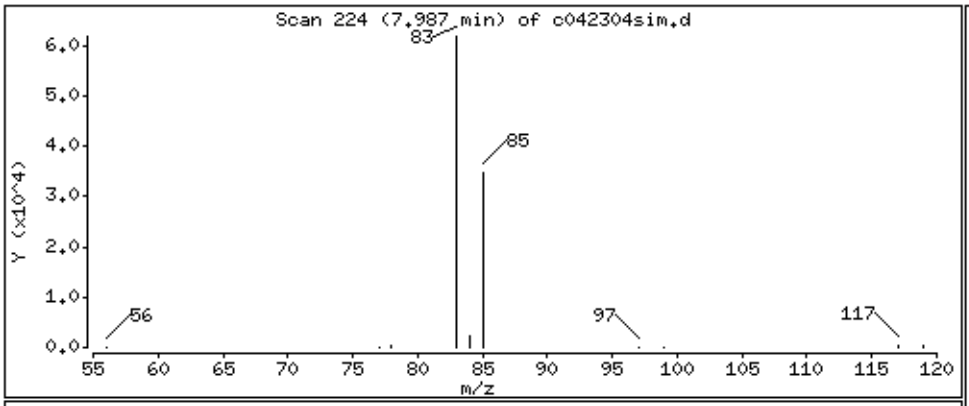
Operator: gm

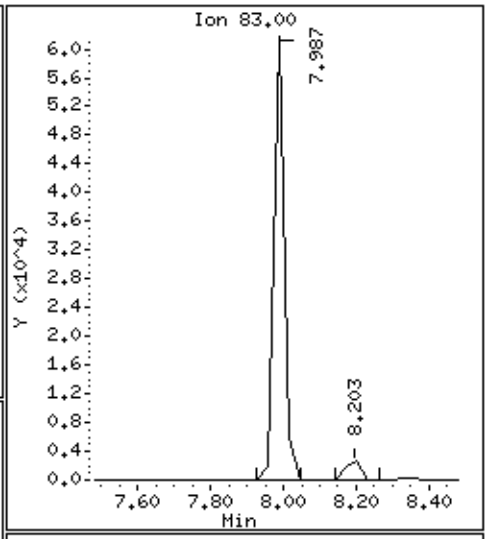
Column phase: DB-5.625

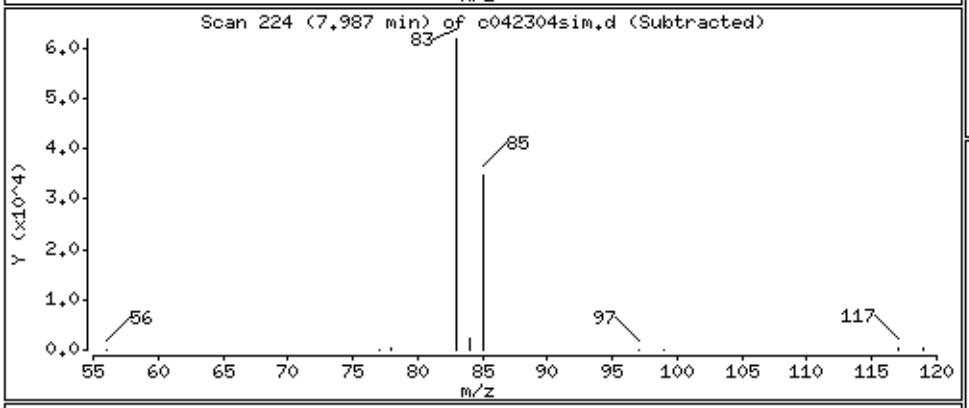
Column diameter: 0.25

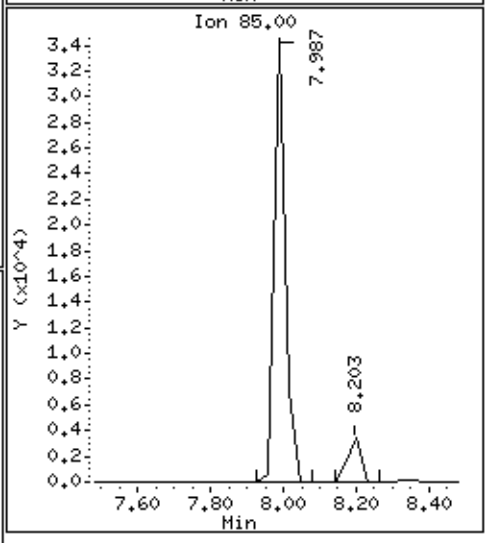
15 Chloroform-CCC

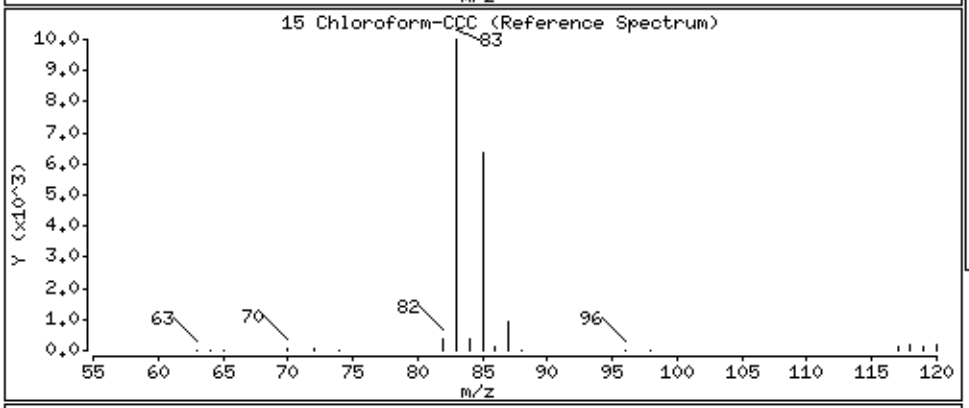
Concentration: 9.01035 ug

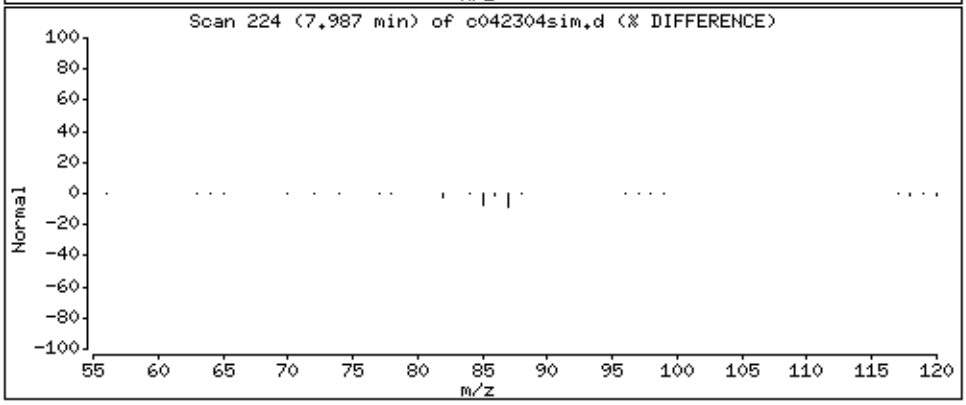












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

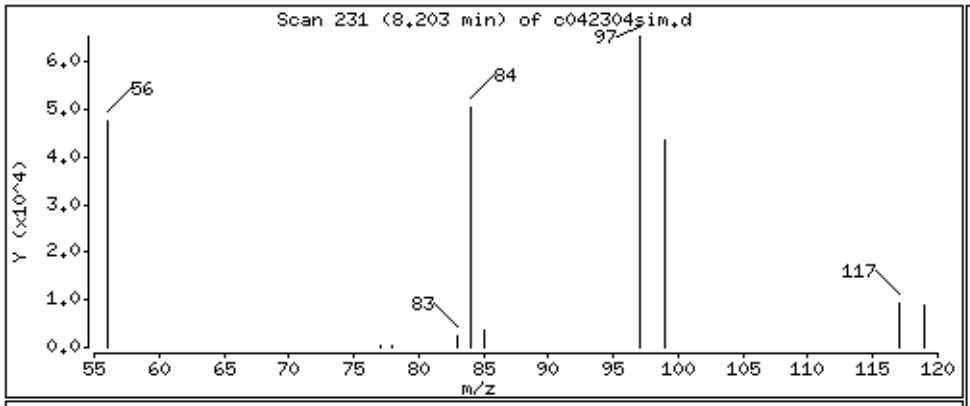
Operator: gm

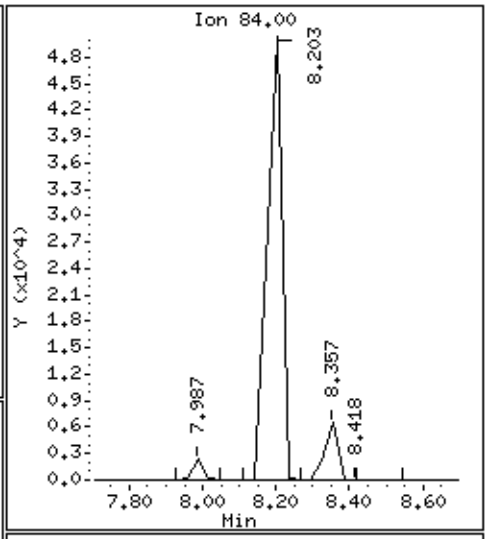
Column phase: DB-5.625

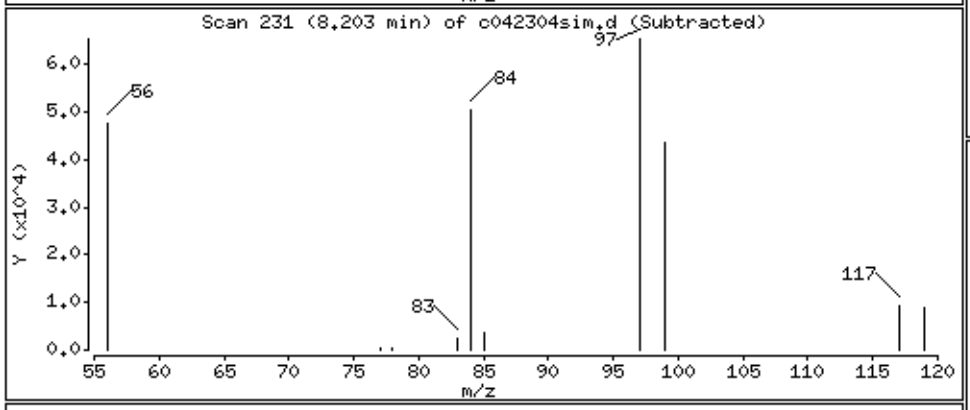
Column diameter: 0.25

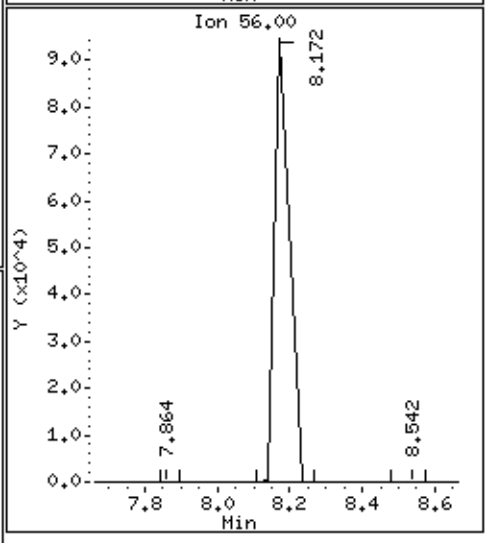
16 Cyclohexane

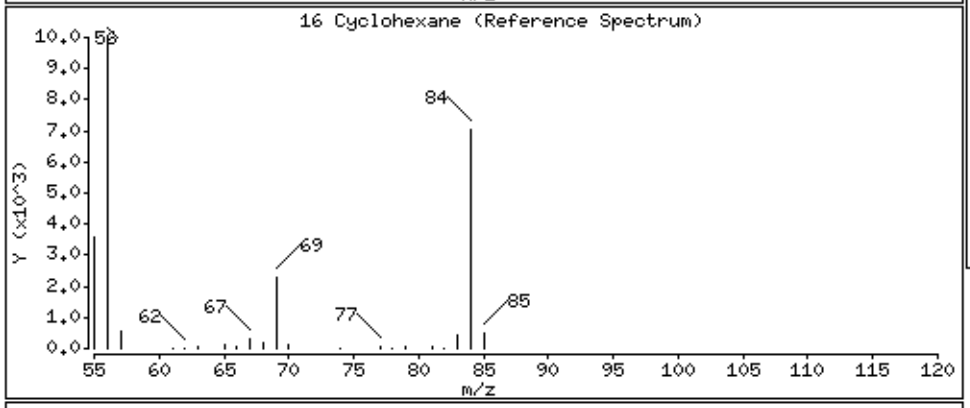
Concentration: 9.71129 ug

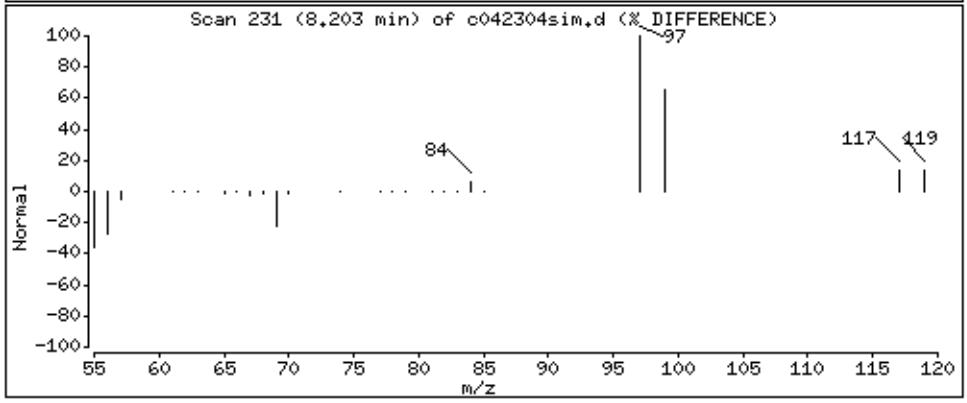












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

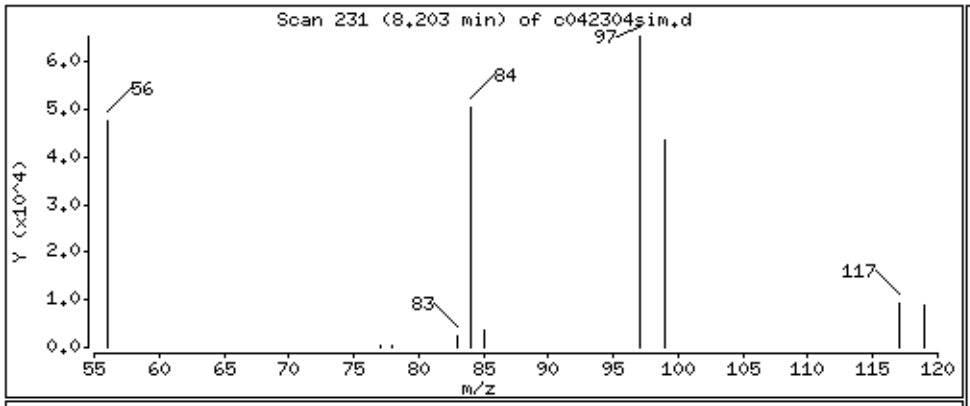
Operator: gm

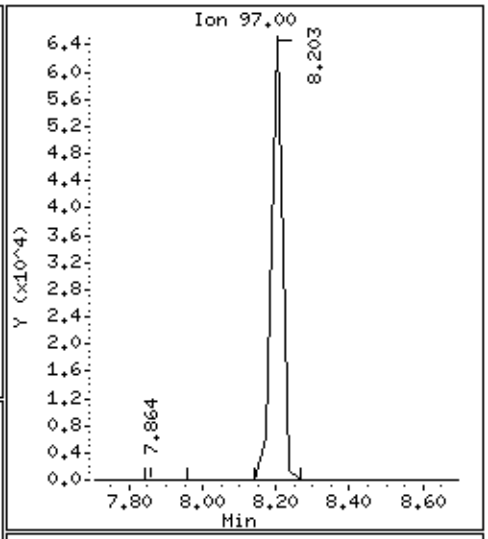
Column phase: DB-5.625

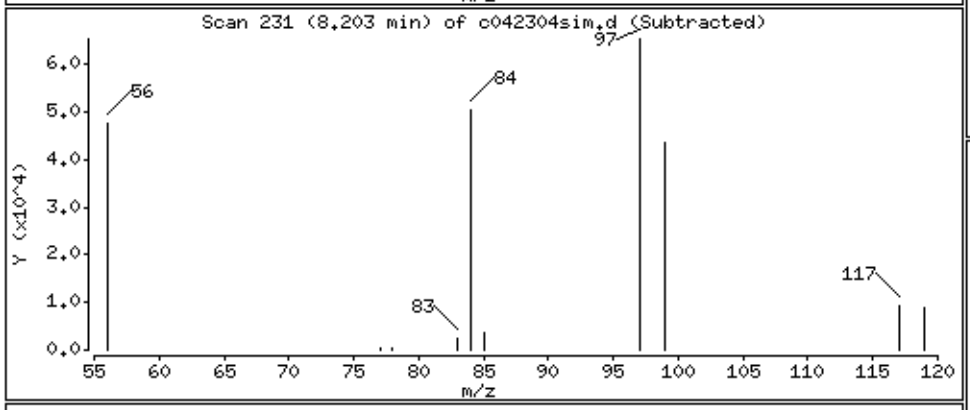
Column diameter: 0.25

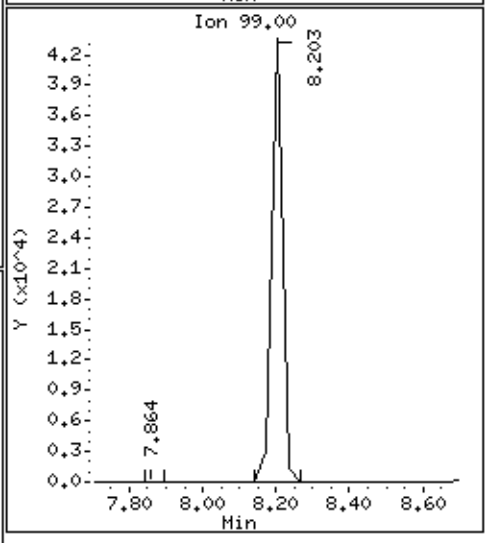
17 1,1,1-Trichloroethane

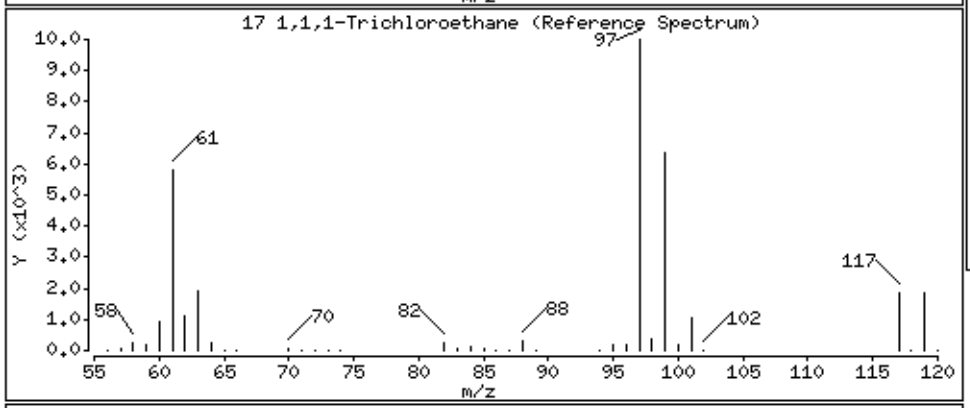
Concentration: 10.1980 ug

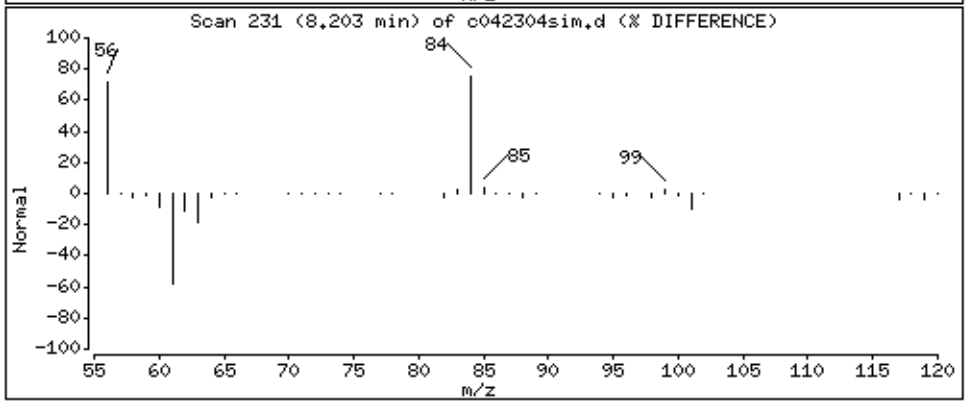












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

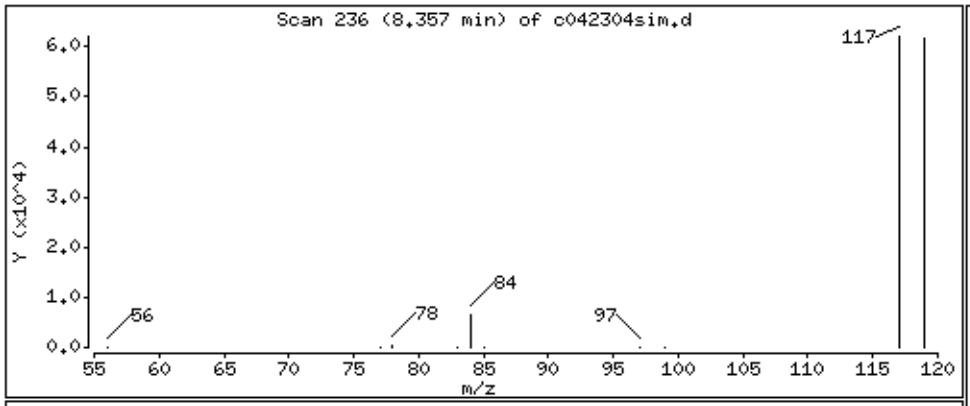
Operator: gm

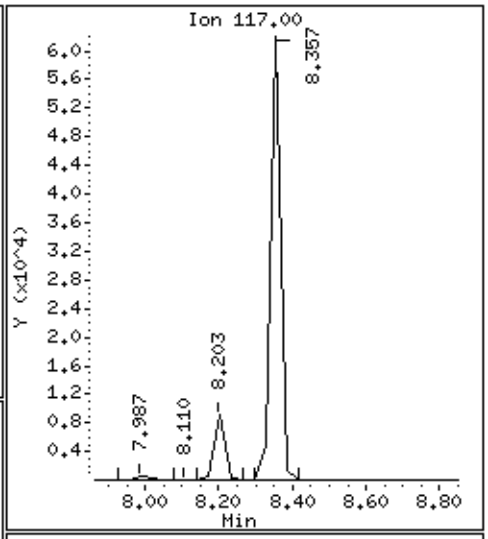
Column phase: DB-5.625

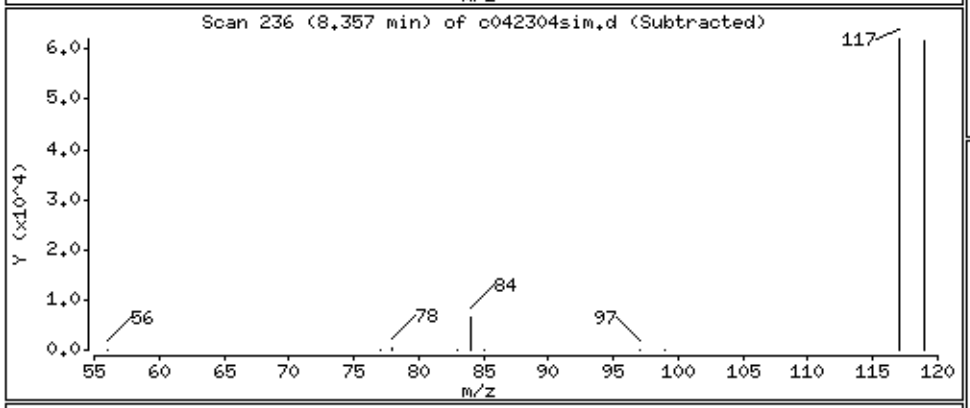
Column diameter: 0.25

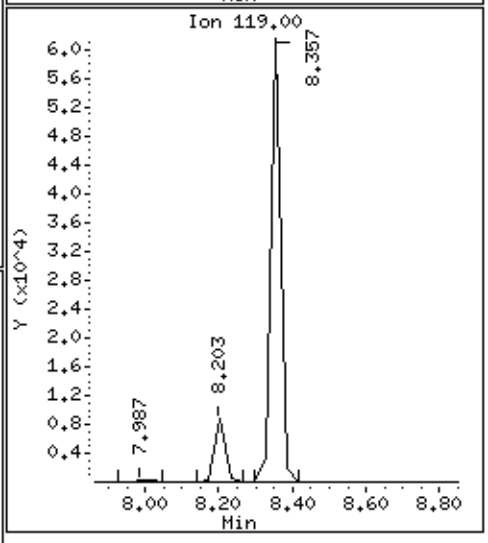
18 Carbon Tetrachloride

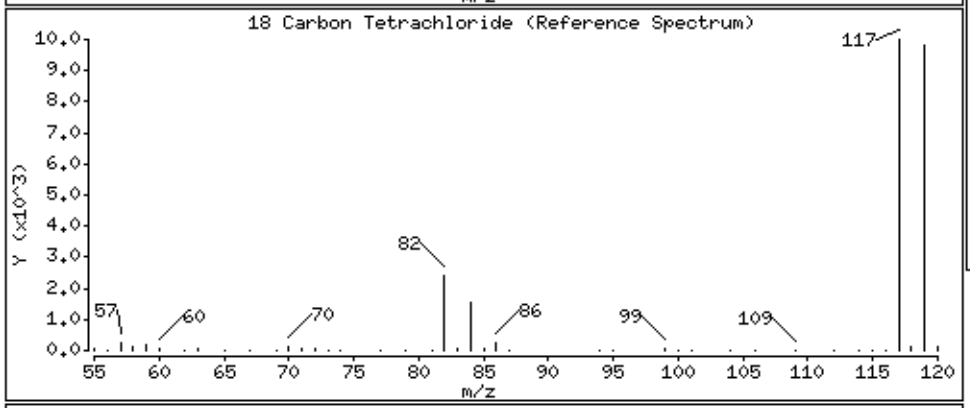
Concentration: 9.50018 ug

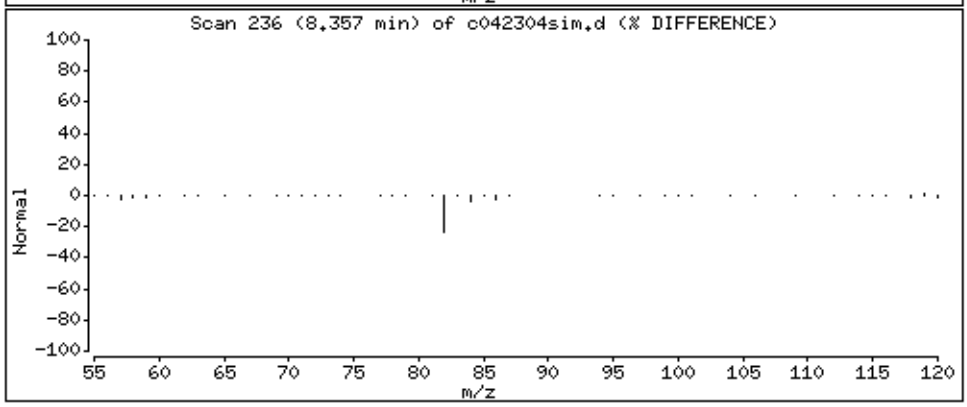












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

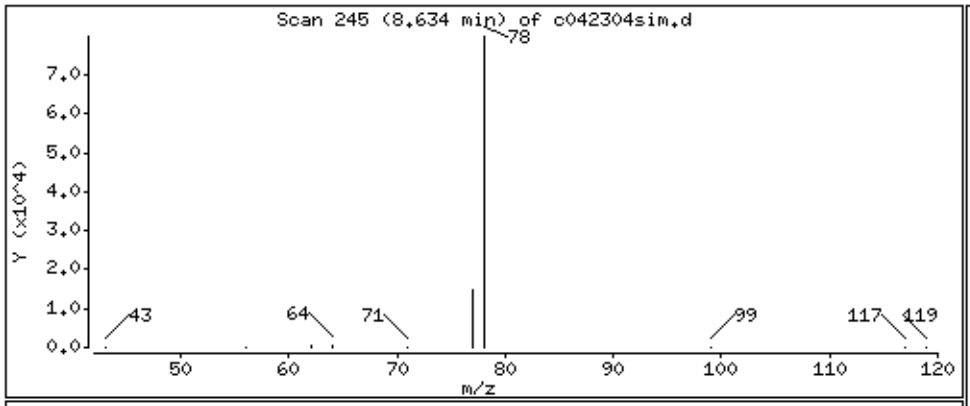
Operator: gm

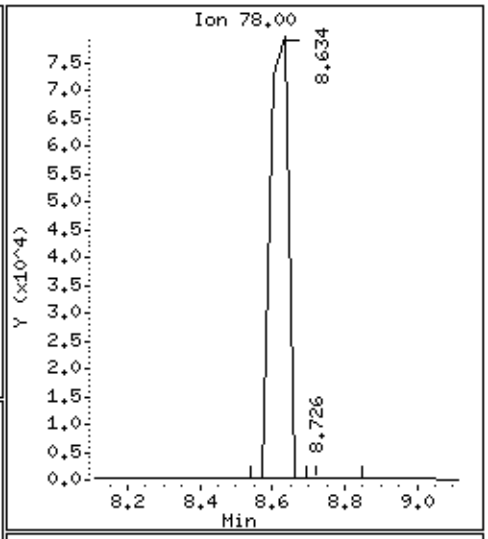
Column phase: DB-5.625

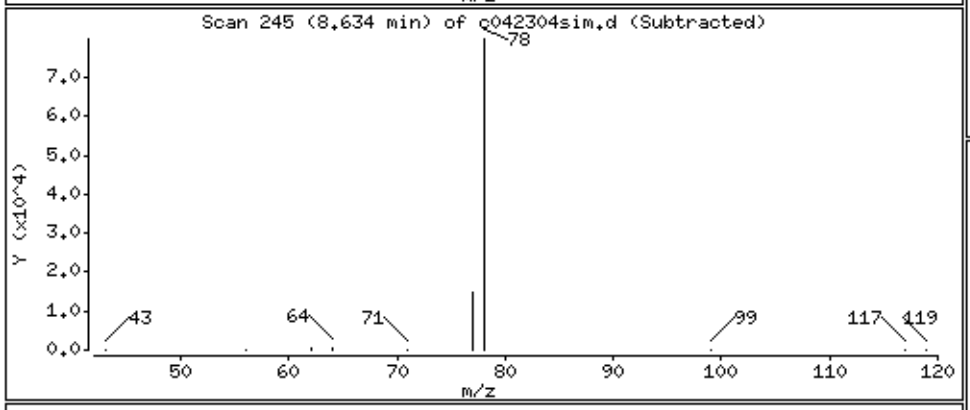
Column diameter: 0.25

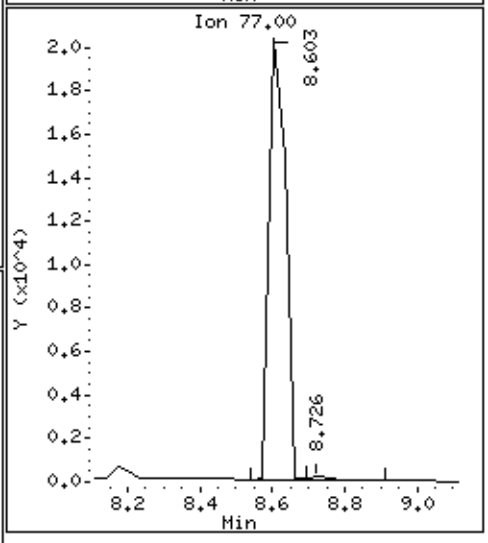
19 Benzene

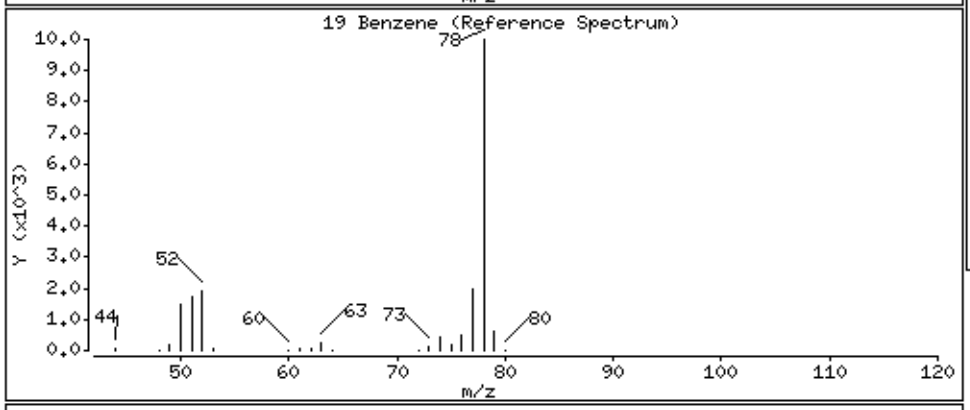
Concentration: 8.72455 ug

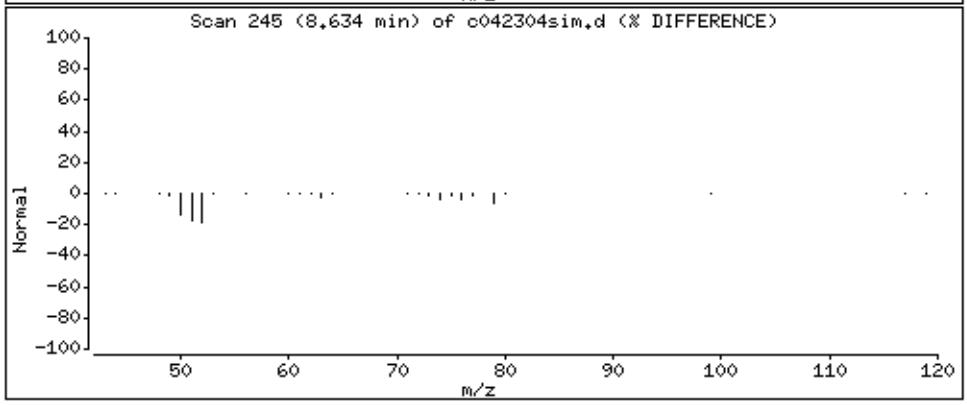












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

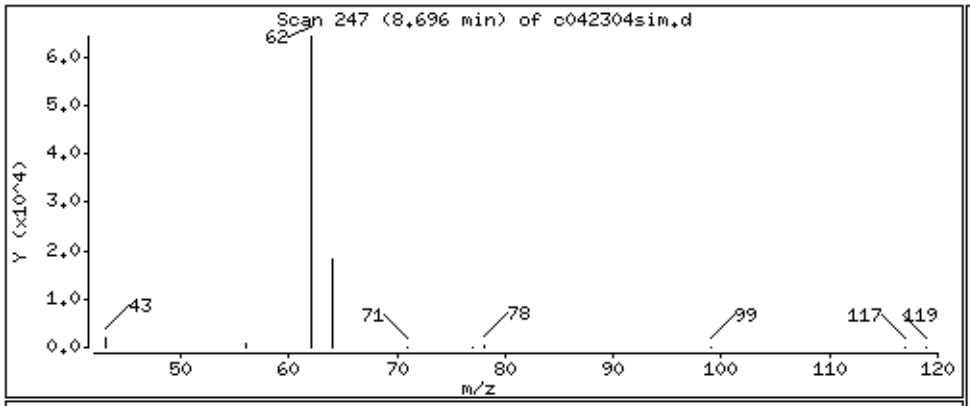
Operator: gm

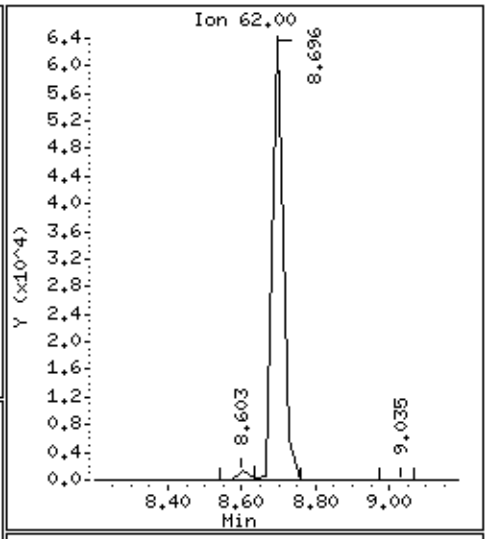
Column phase: DB-5.625

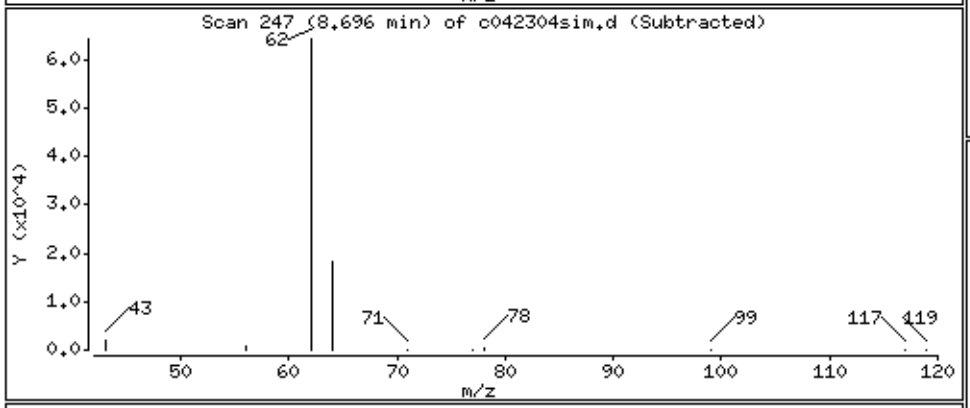
Column diameter: 0.25

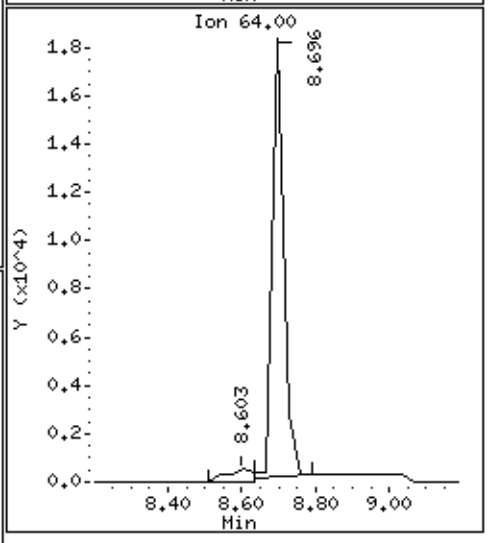
20 1,2-Dichloroethane

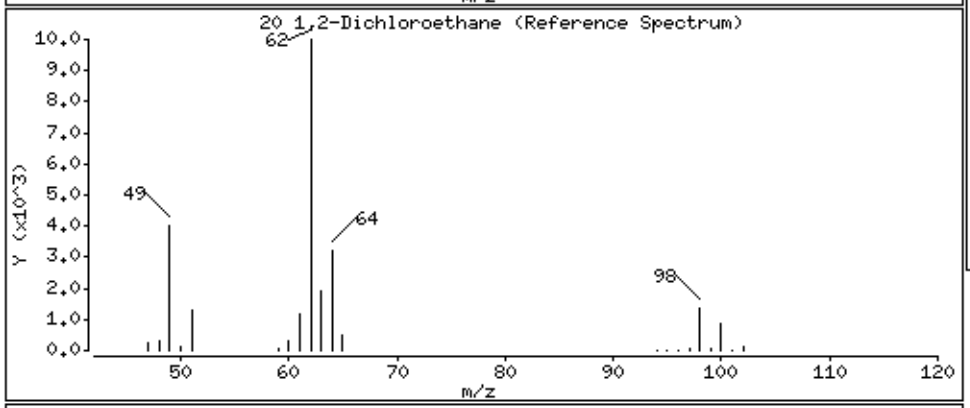
Concentration: 8.81647 ug

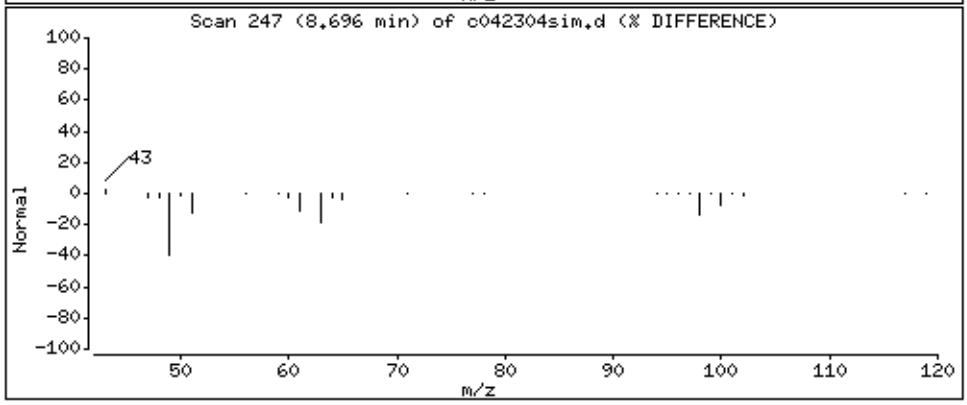












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

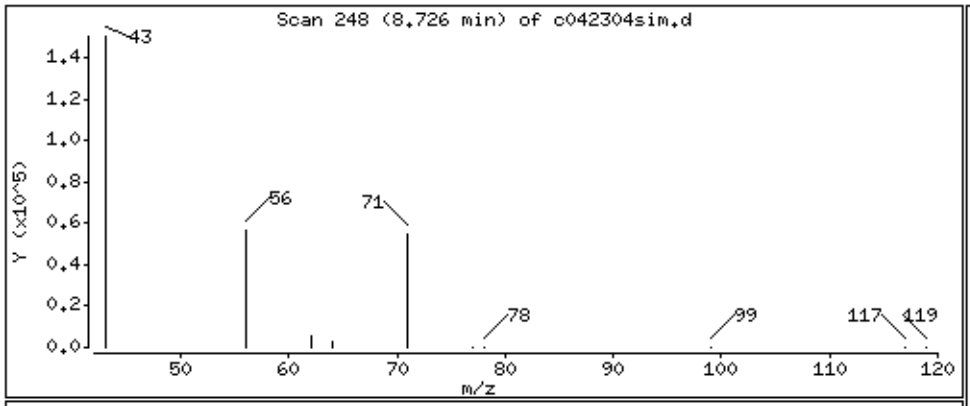
Operator: gm

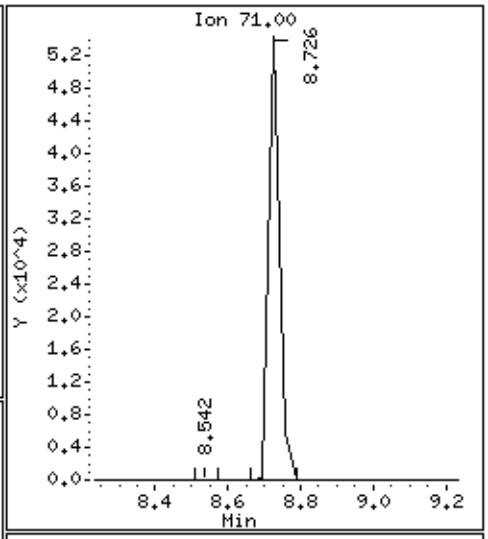
Column phase: DB-5.625

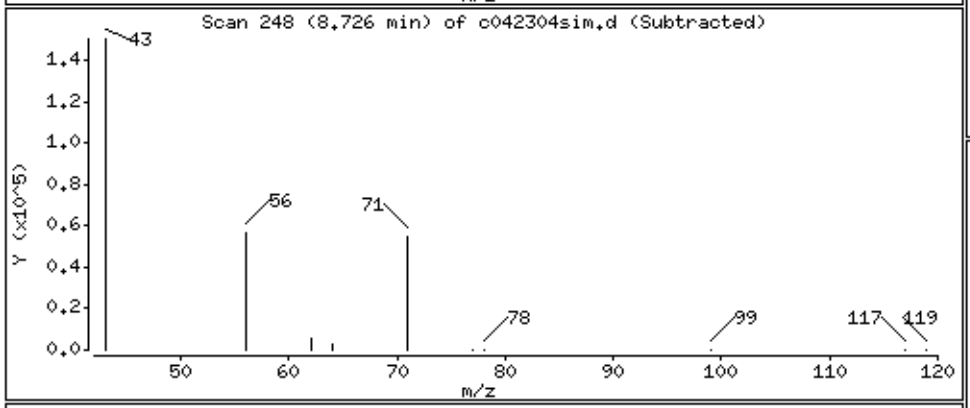
Column diameter: 0.25

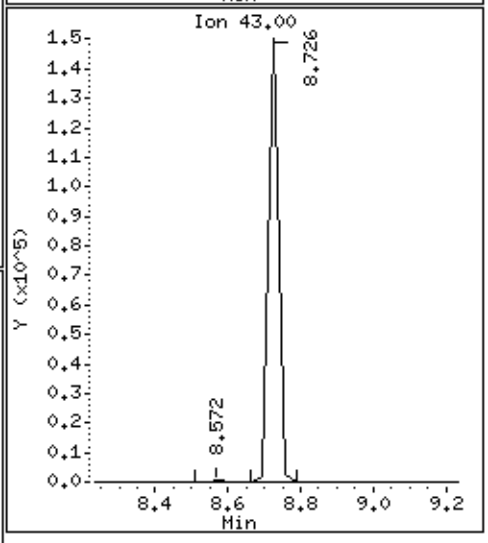
21 Heptane

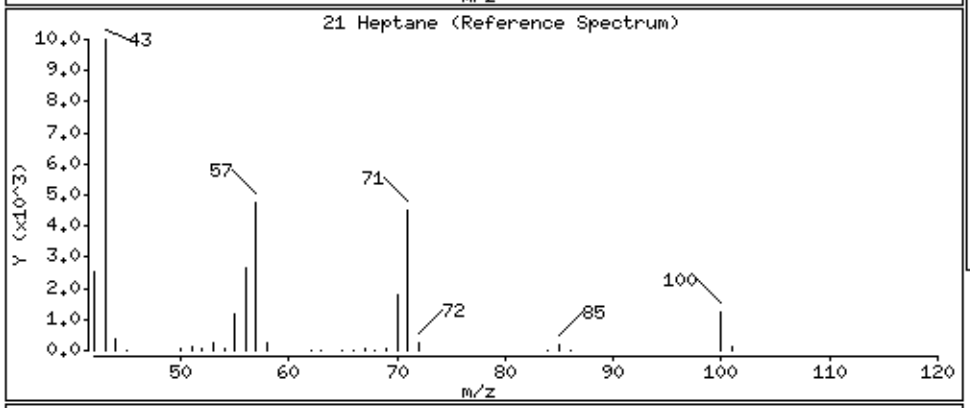
Concentration: 9.23254 ug

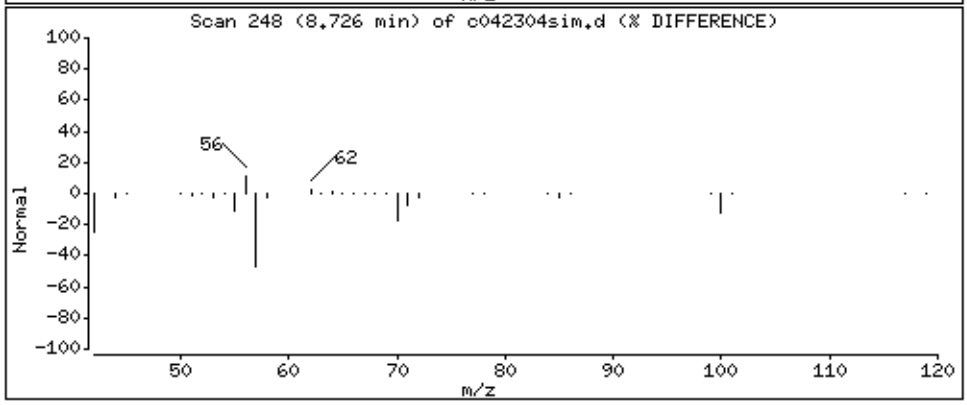












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

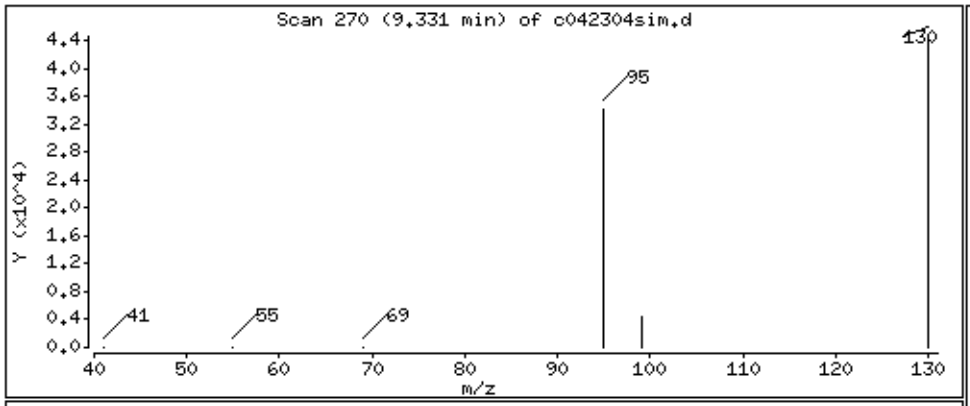
Operator: gm

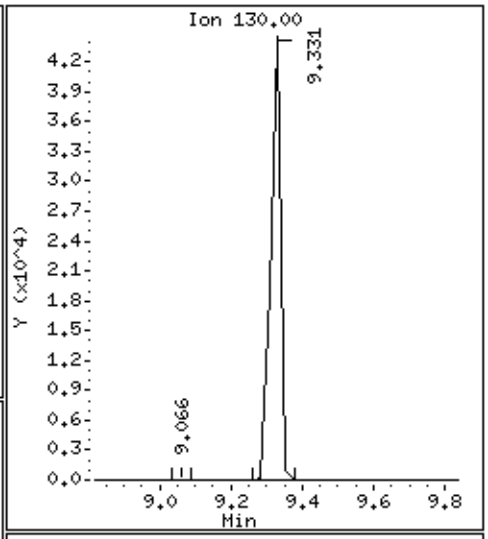
Column phase: DB-5.625

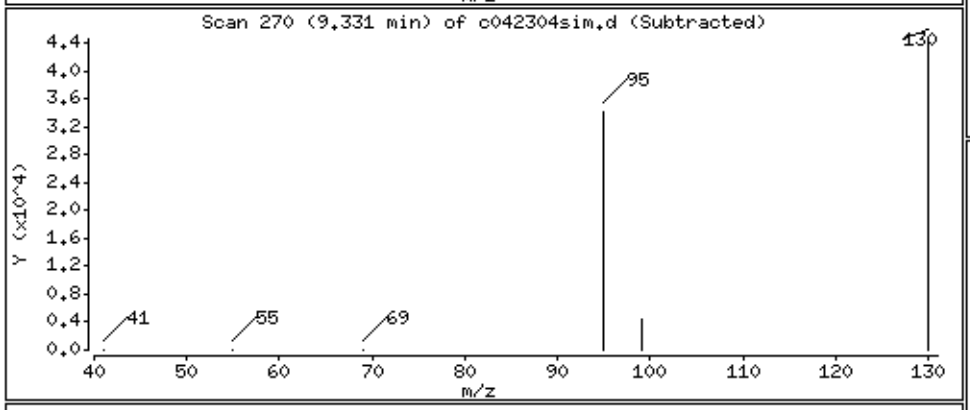
Column diameter: 0.25

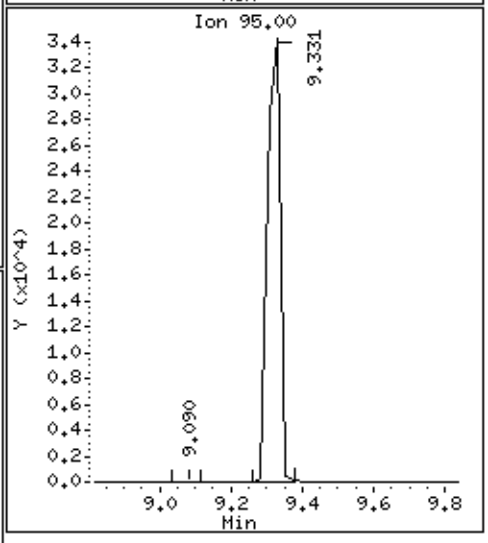
22 Trichloroethene

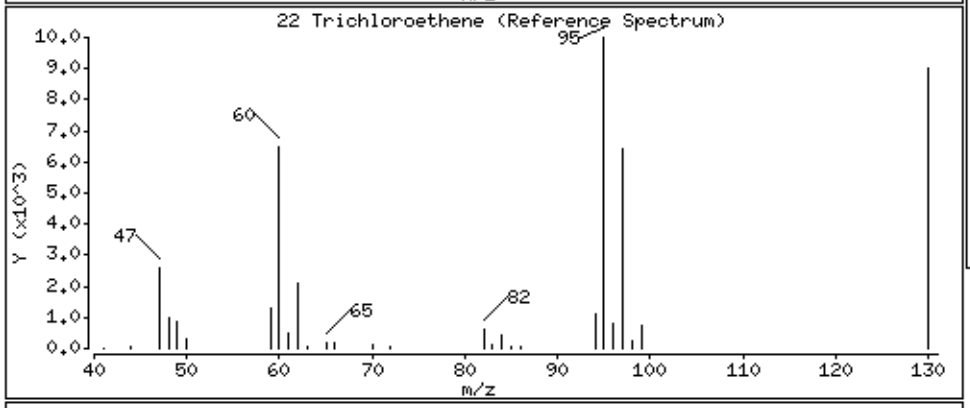
Concentration: 8.73052 ug

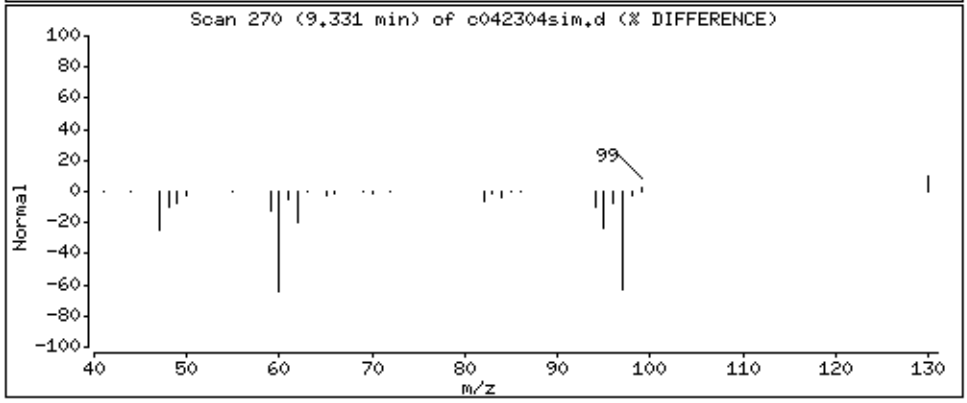












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

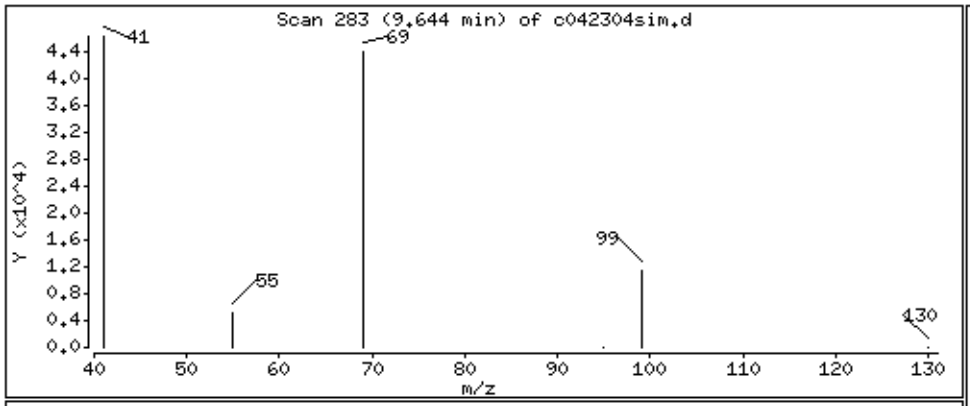
Operator: gm

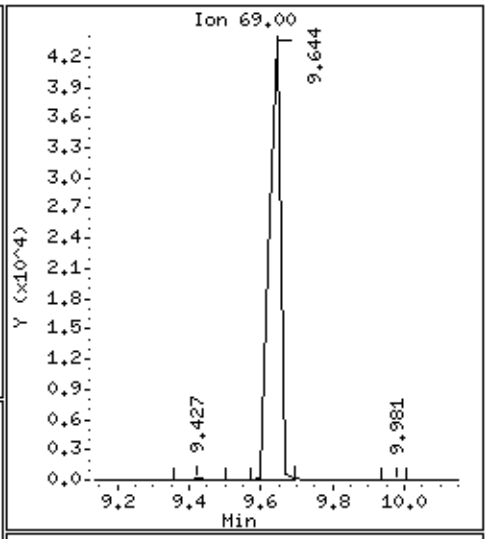
Column phase: DB-5.625

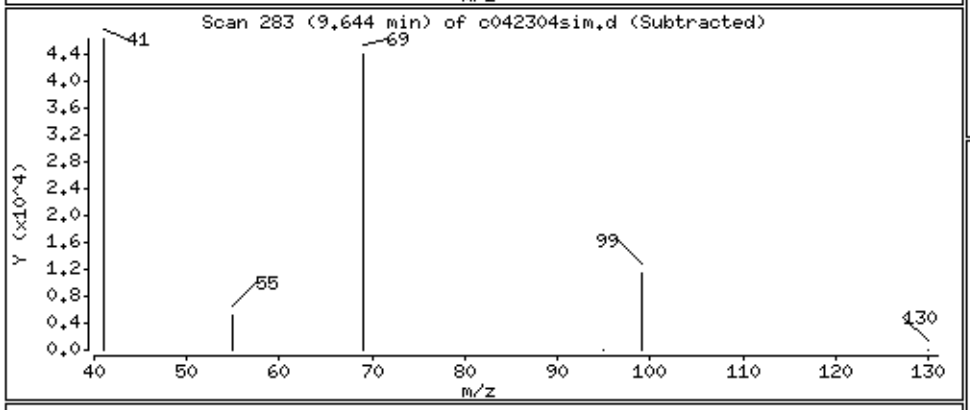
Column diameter: 0.25

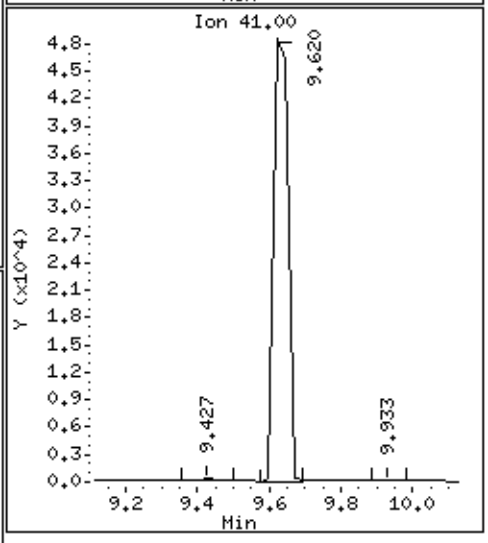
23 Methyl Methacrylate

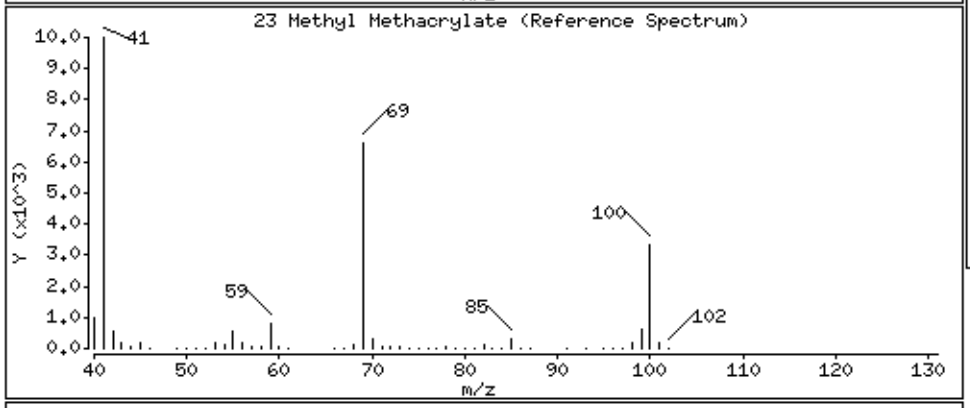
Concentration: 9.03686 ug

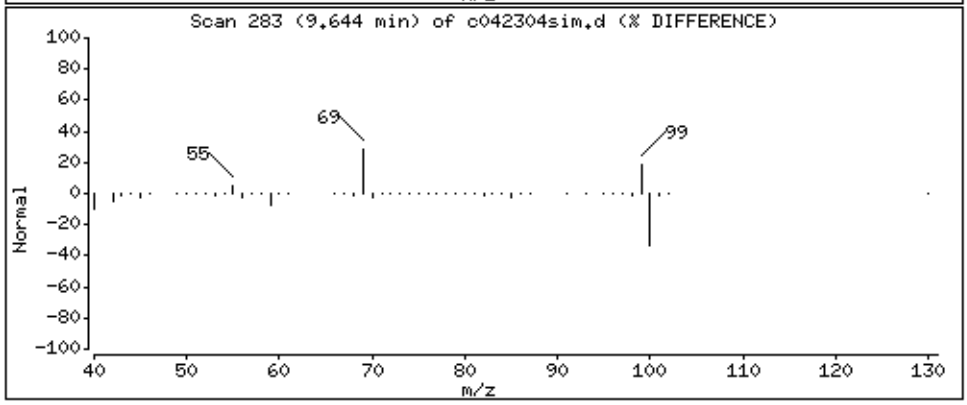












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

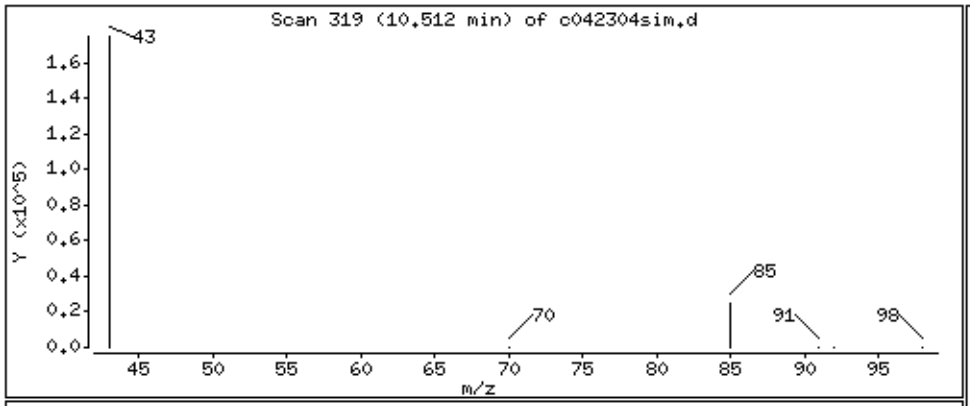
Operator: gm

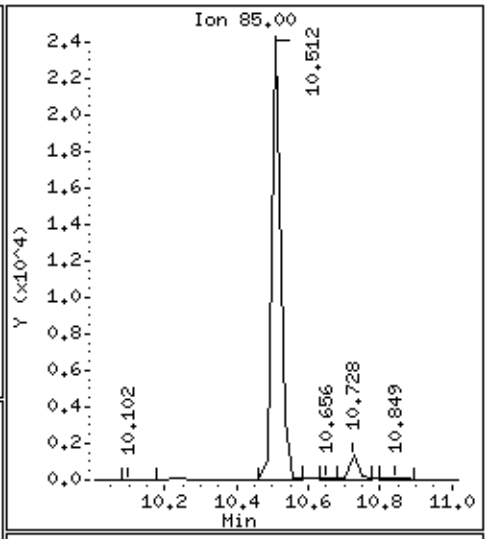
Column phase: DB-5.625

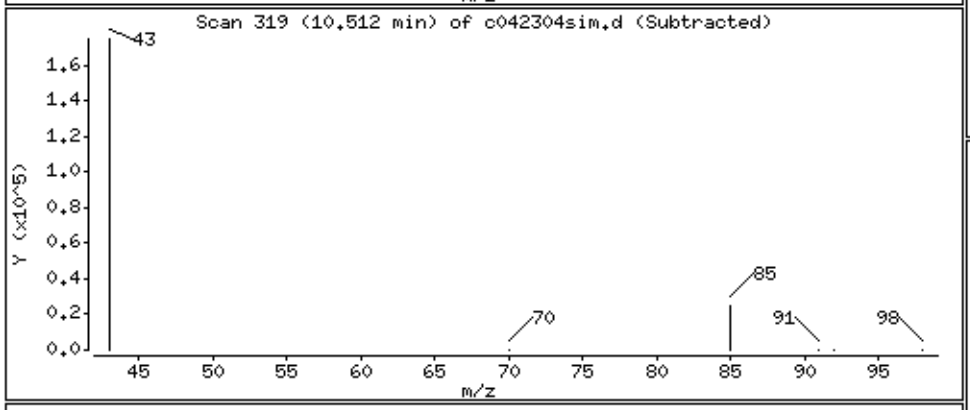
Column diameter: 0.25

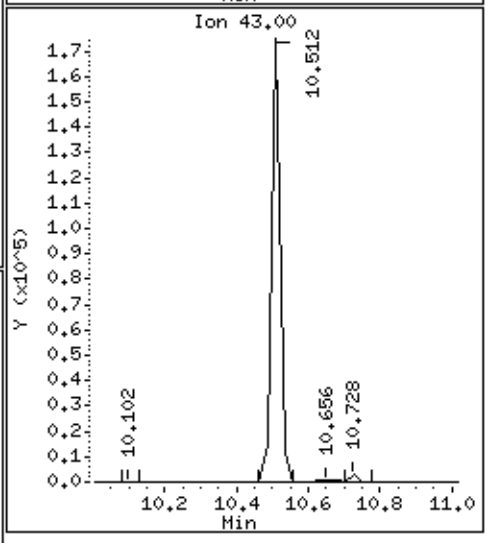
24 4-Methyl-2-pentanone

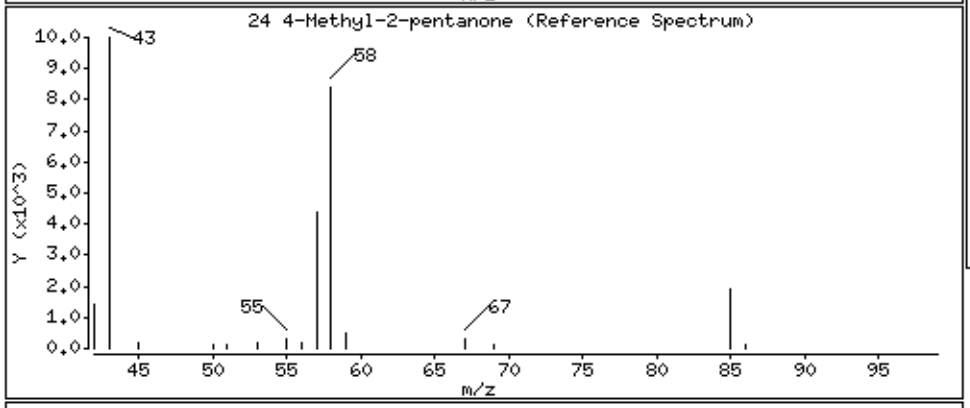
Concentration: 9.93014 ug

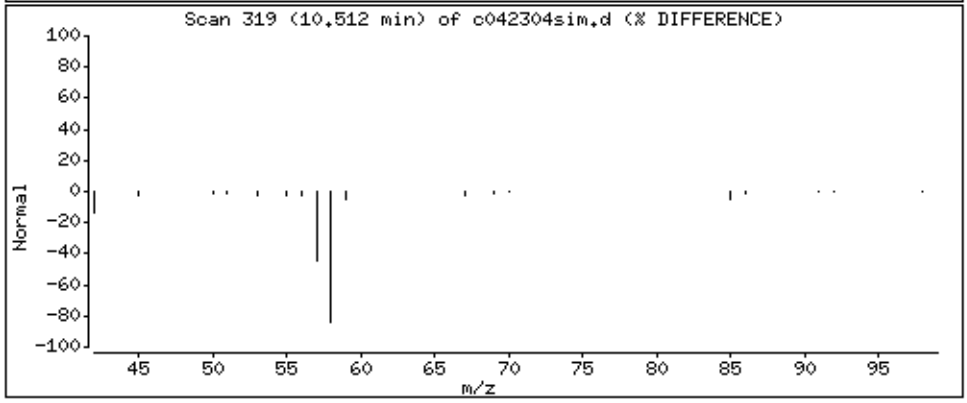












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

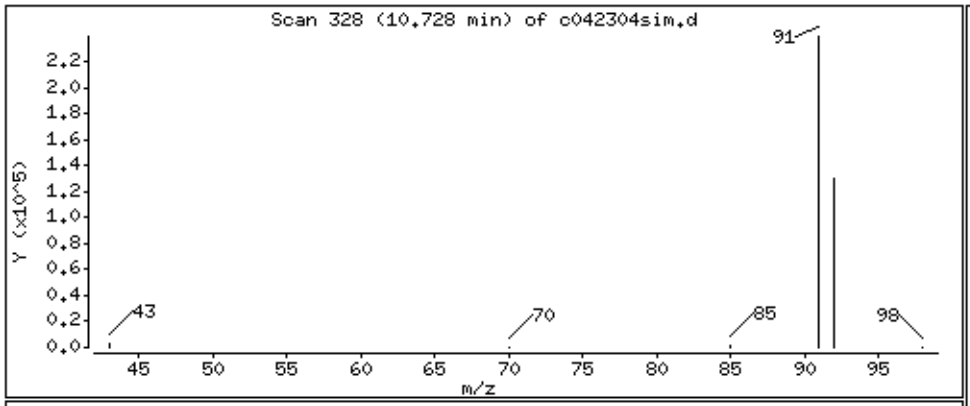
Operator: gm

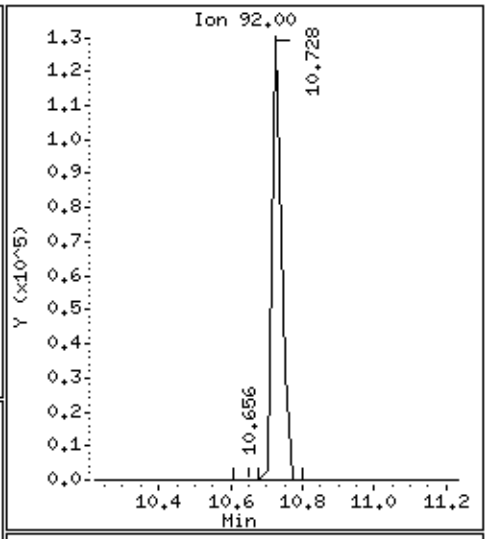
Column phase: DB-5.625

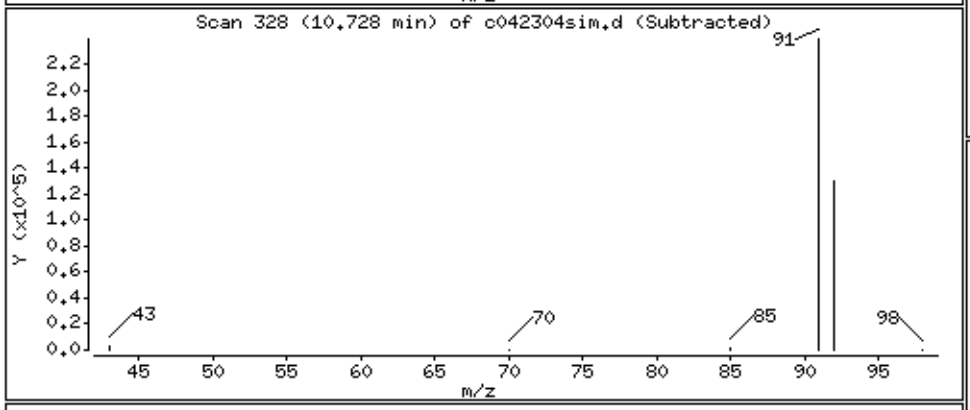
Column diameter: 0.25

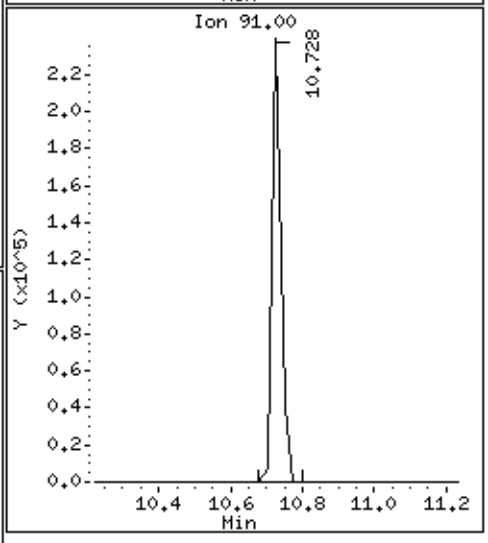
26 Toluene-CCC

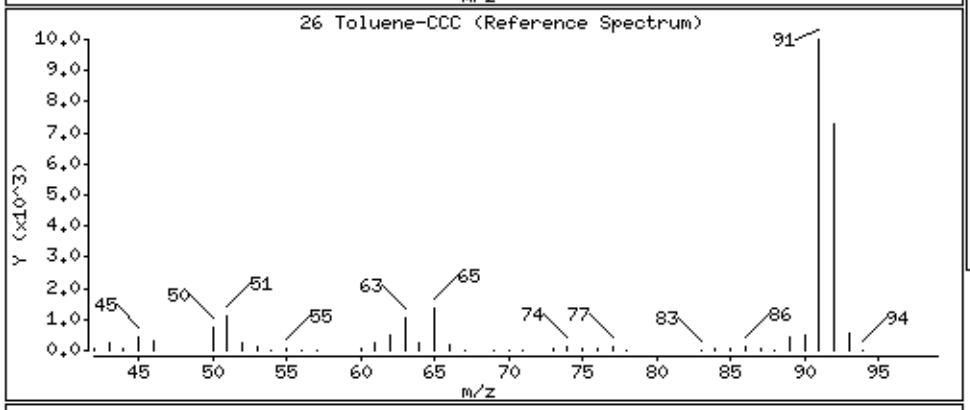
Concentration: 9.01514 ug

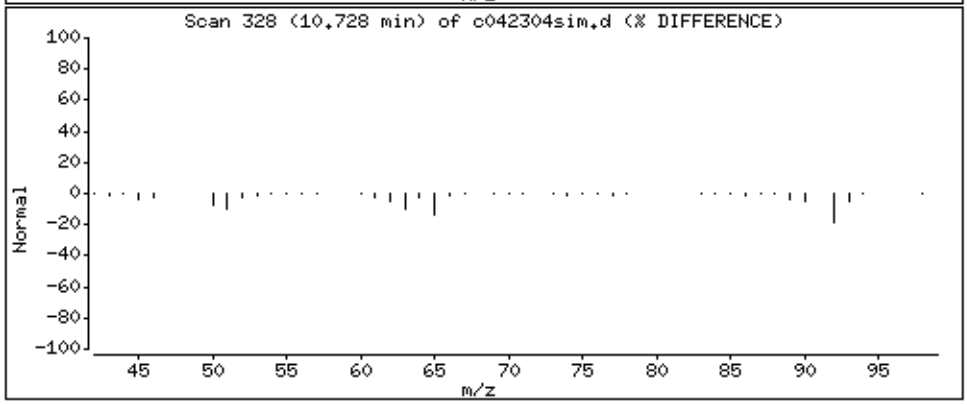












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

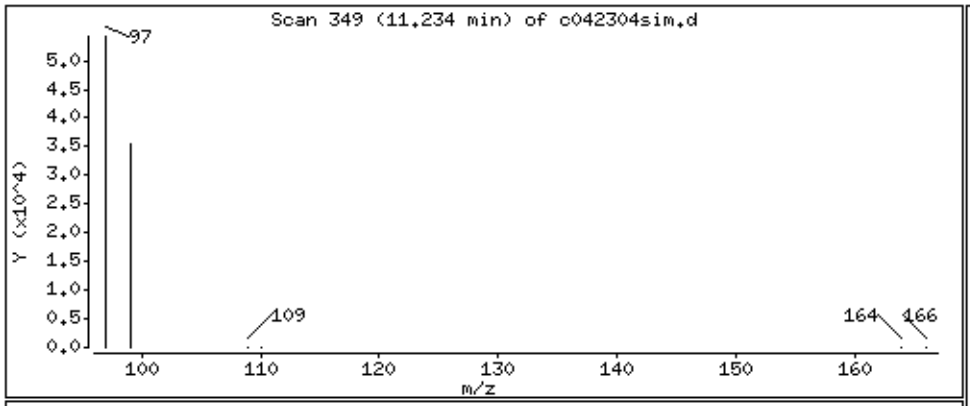
Operator: gm

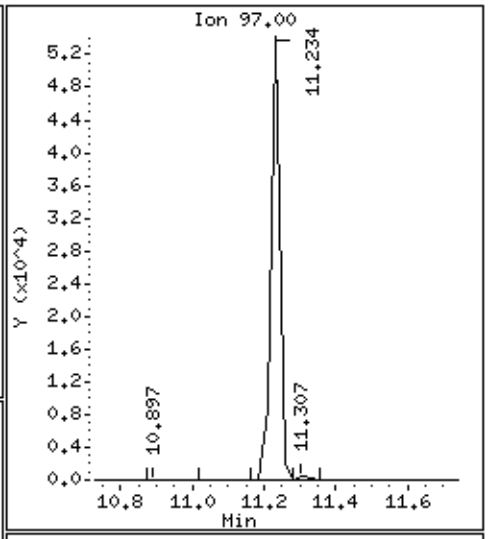
Column phase: DB-5.625

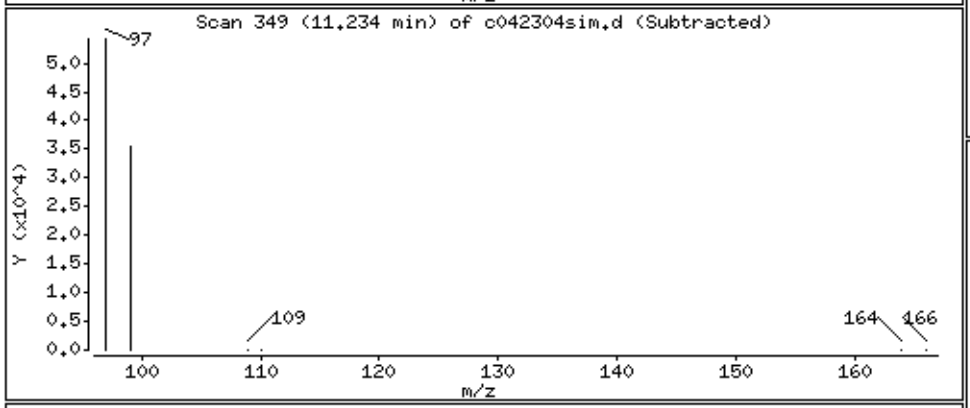
Column diameter: 0.25

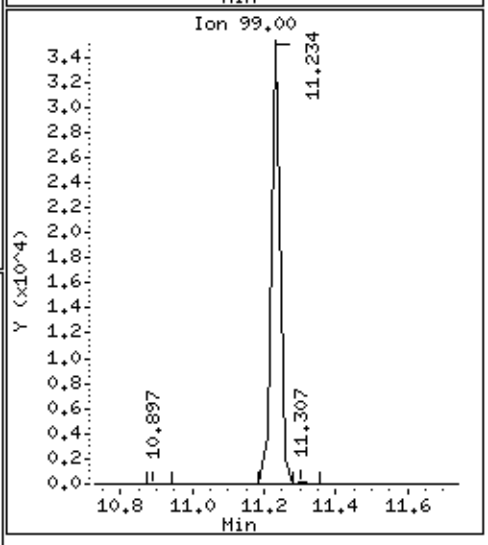
28 1,1,2-Trichloroethane

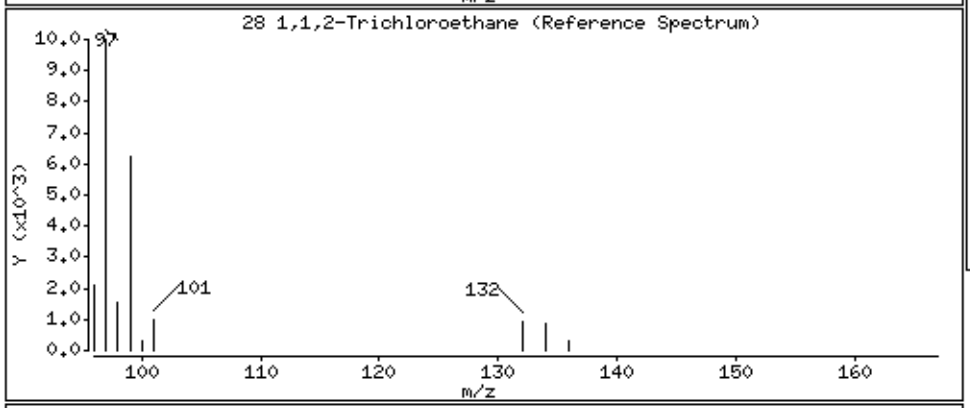
Concentration: 8.78588 ug

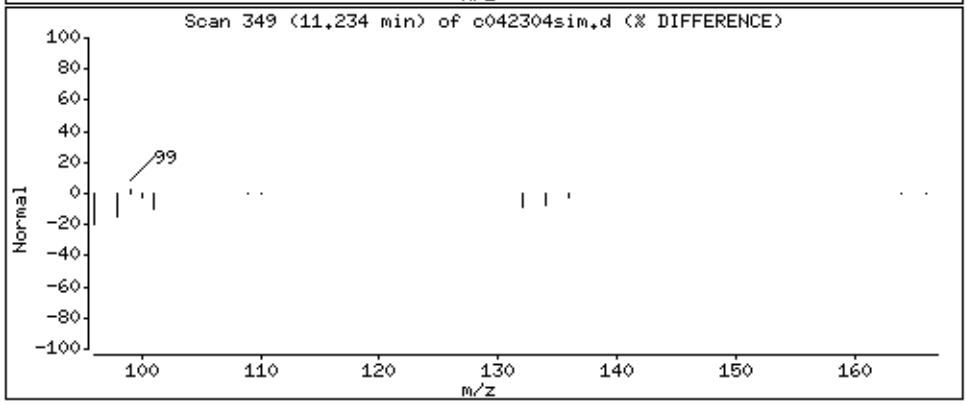












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

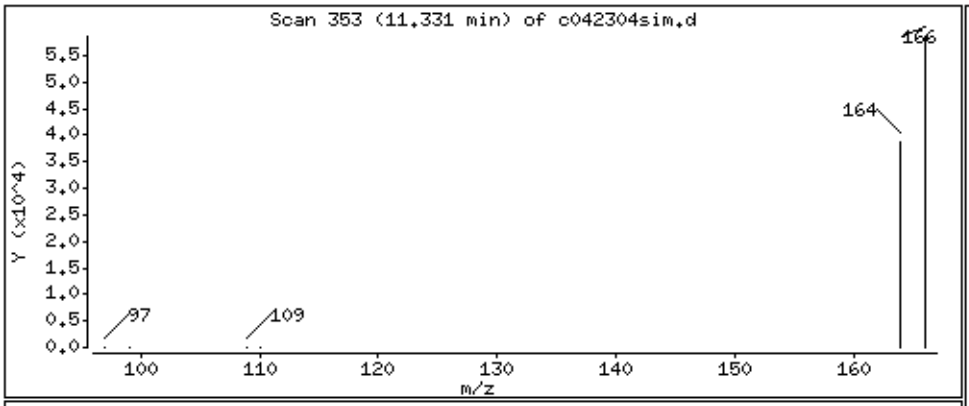
Operator: gm

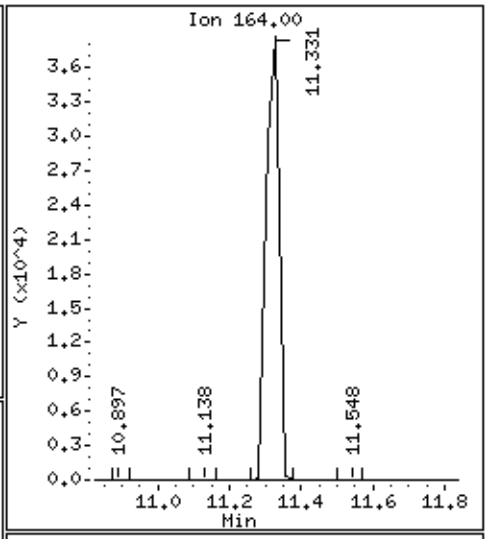
Column phase: DB-5.625

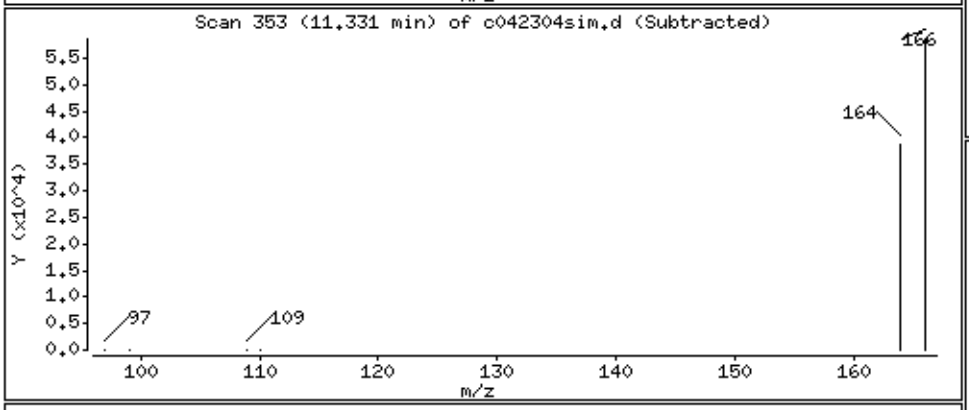
Column diameter: 0.25

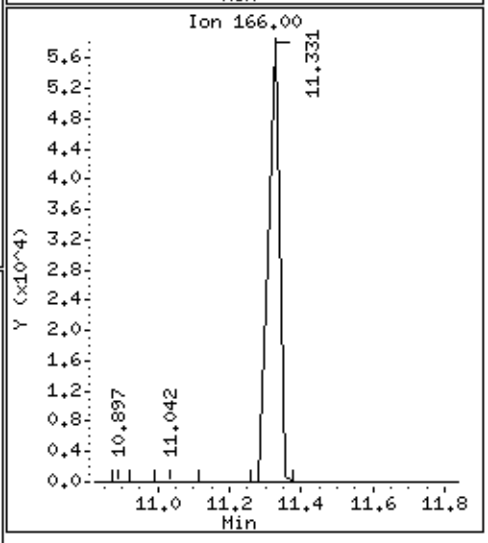
29 Tetrachloroethene

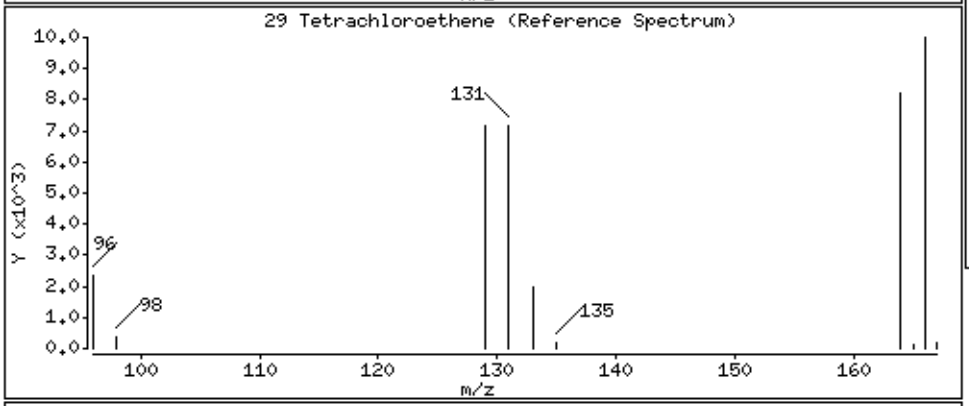
Concentration: 8.18532 ug

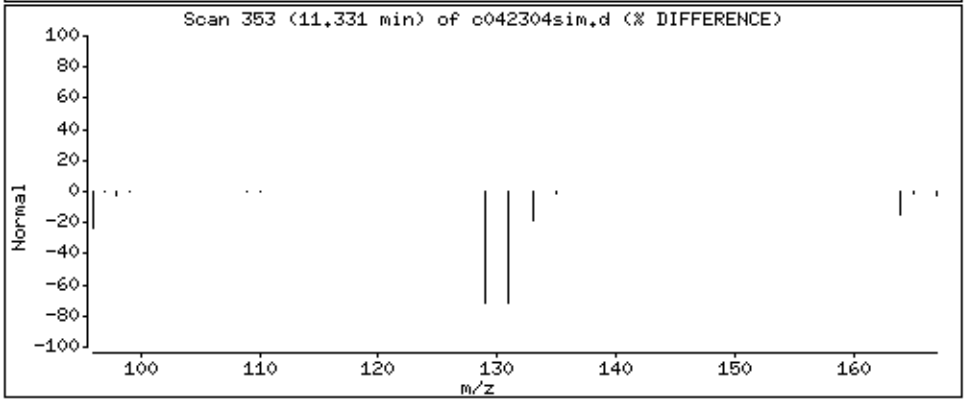












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

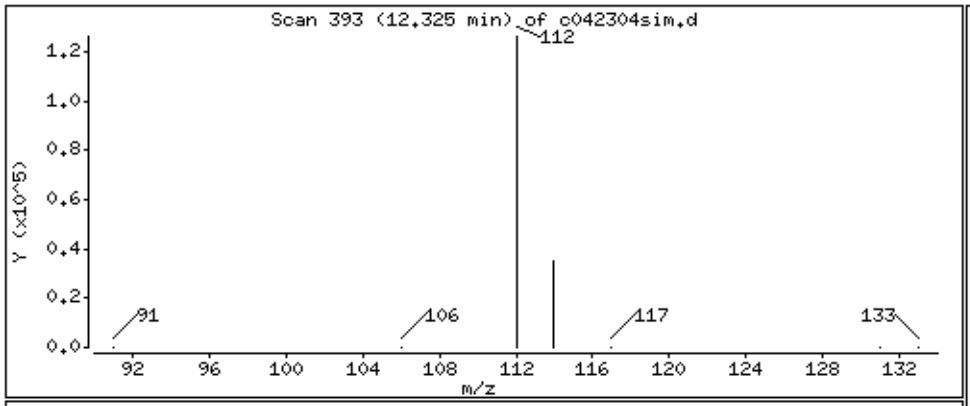
Operator: gm

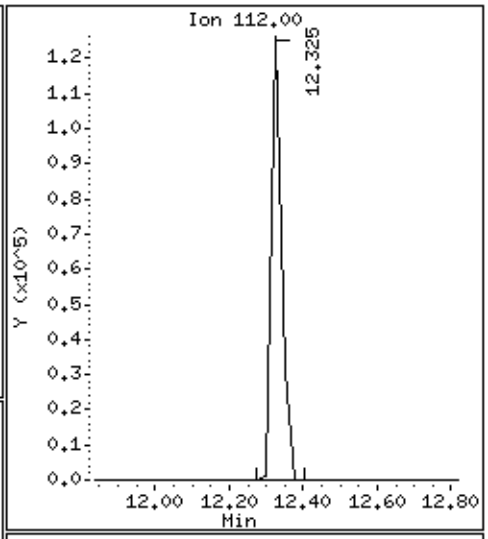
Column phase: DB-5.625

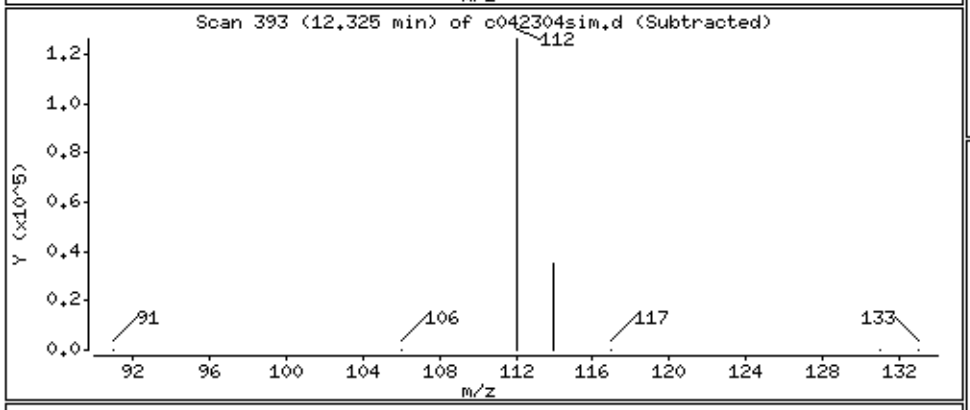
Column diameter: 0.25

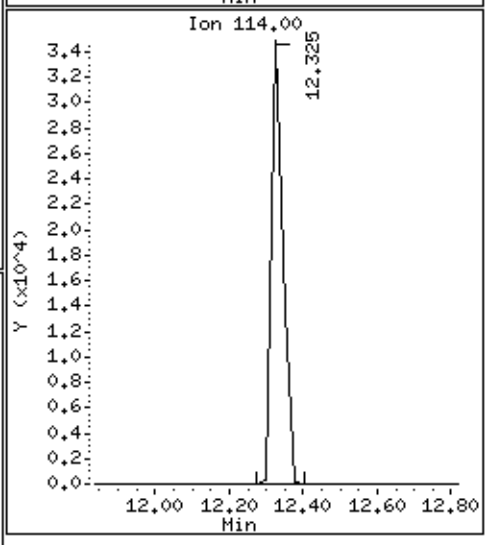
30 Chlorobenzene

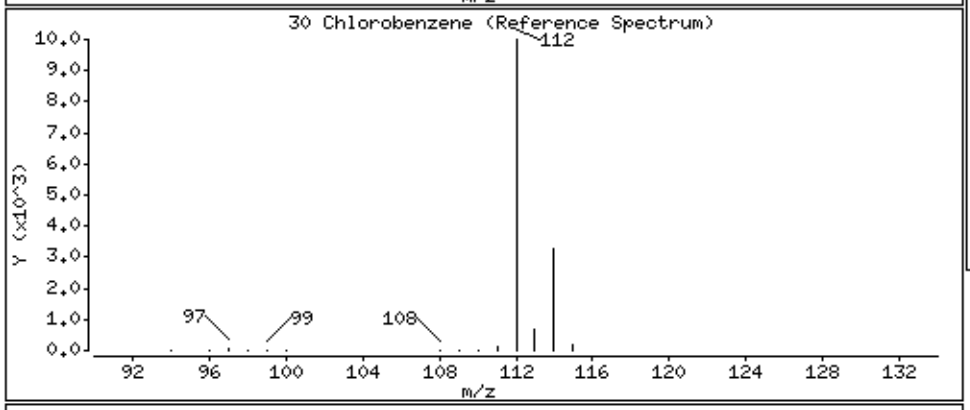
Concentration: 7.82615 ug

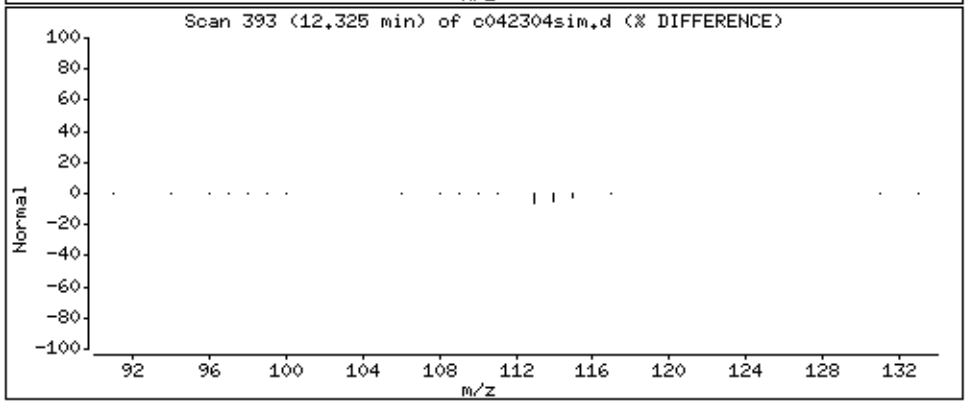












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

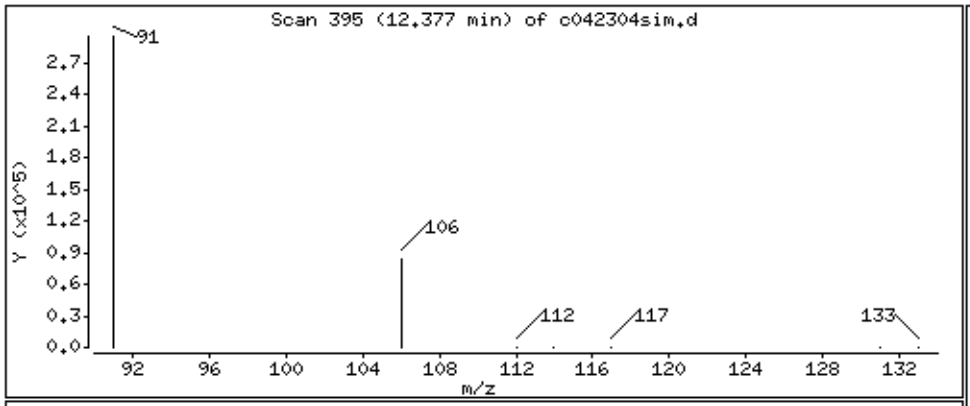
Operator: gm

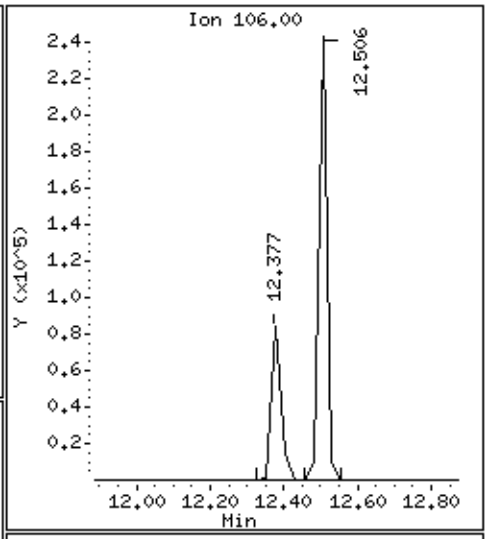
Column phase: DB-5.625

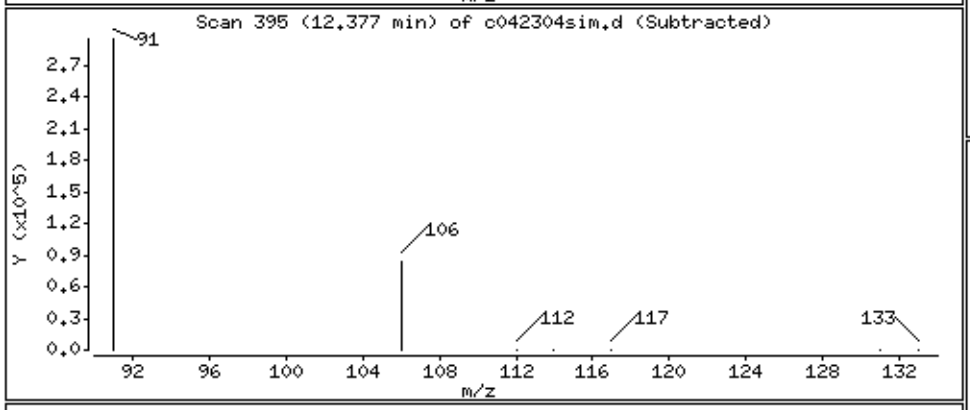
Column diameter: 0.25

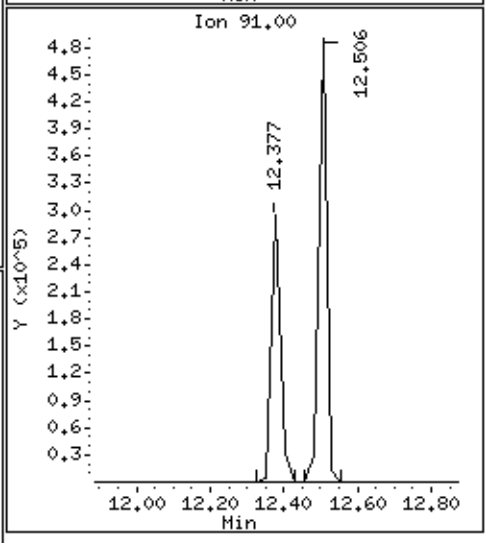
31 Ethylbenzene-CCC

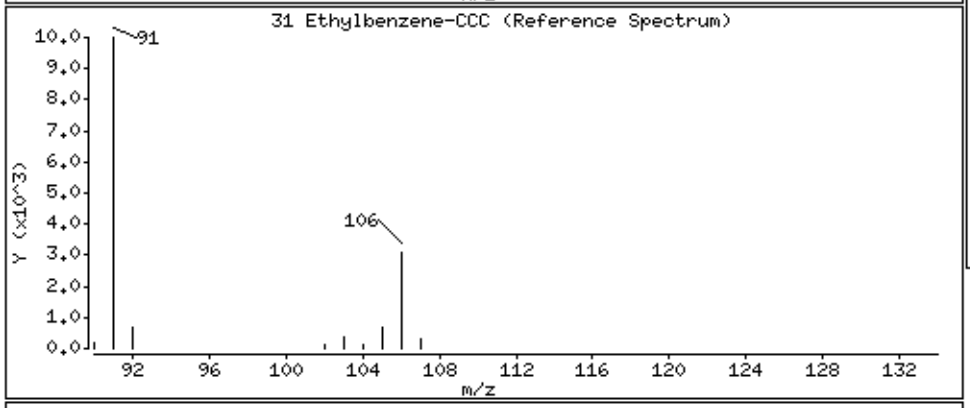
Concentration: 9.02900 ug

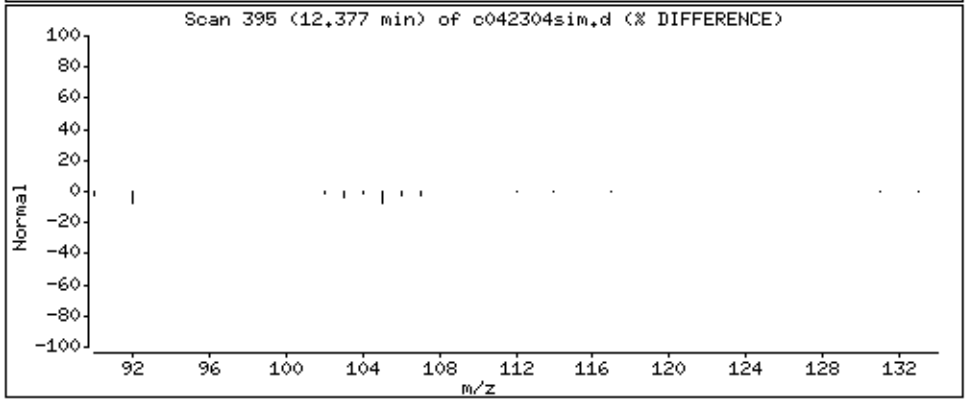












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

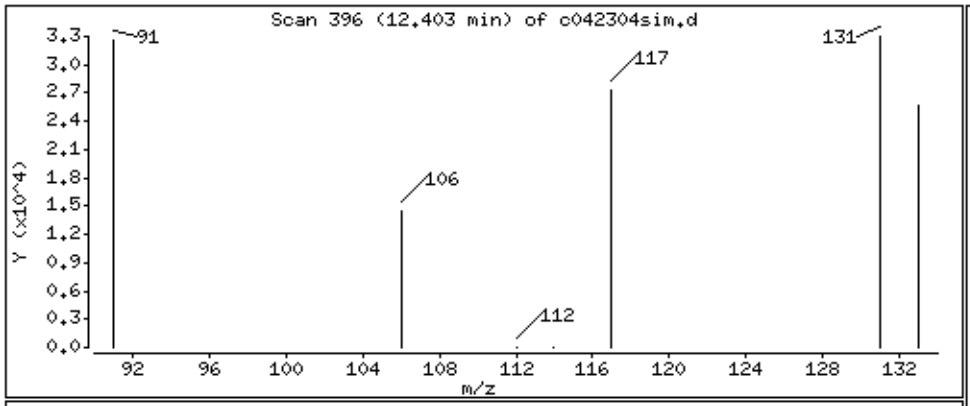
Operator: gm

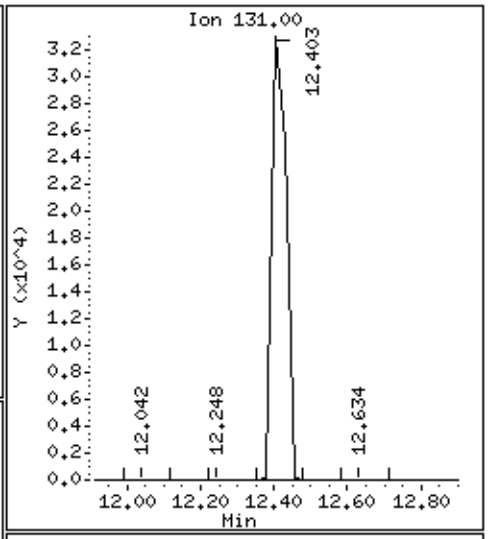
Column phase: DB-5.625

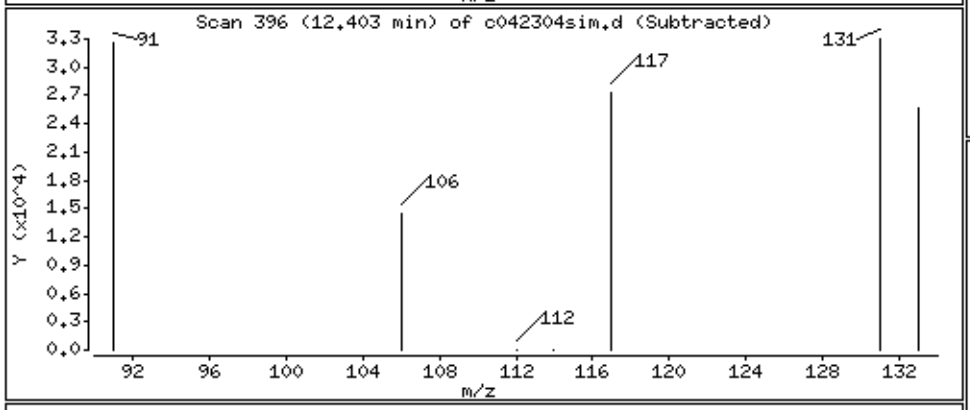
Column diameter: 0.25

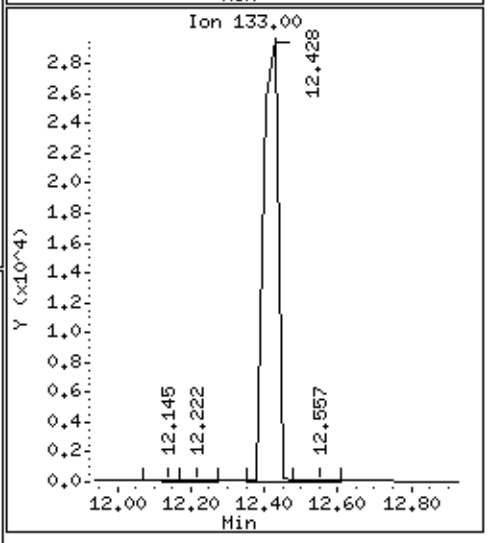
32 1,1,1,2-Tetrachloroethane

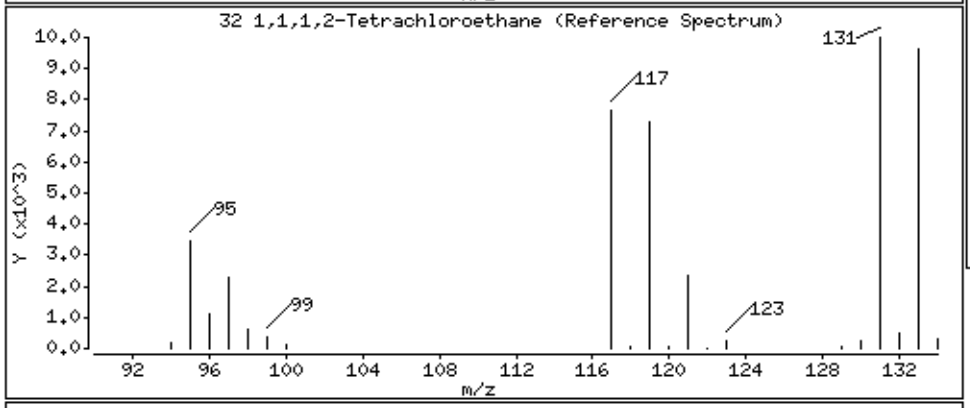
Concentration: 8.09804 ug

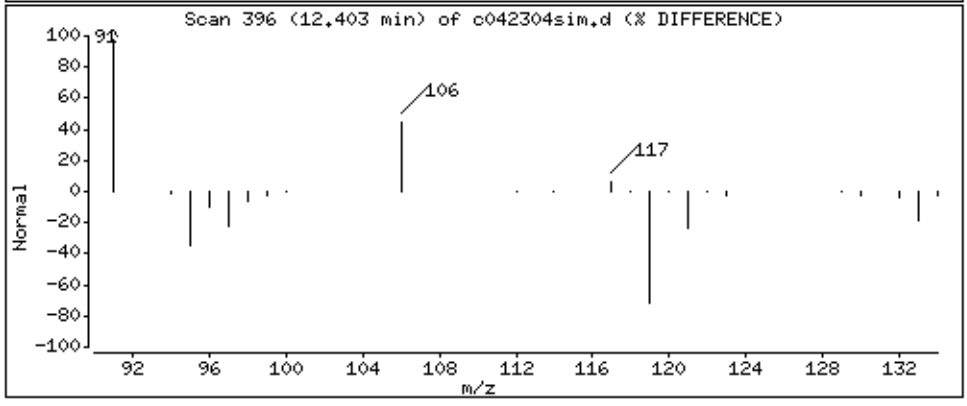












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

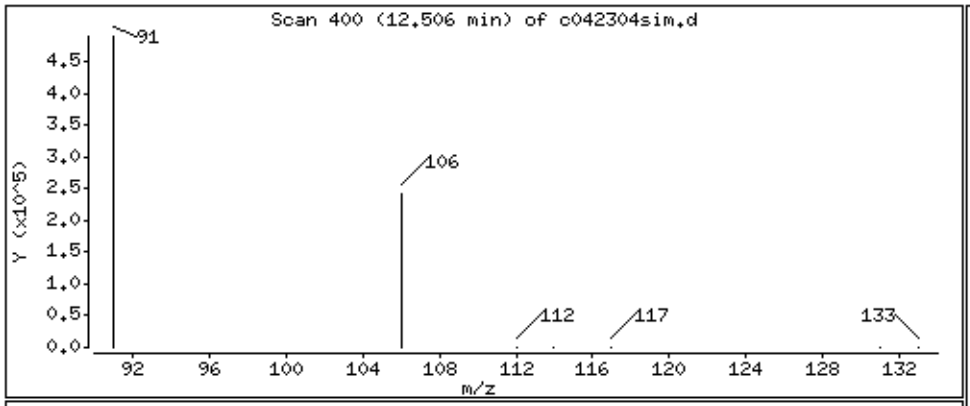
Operator: gm

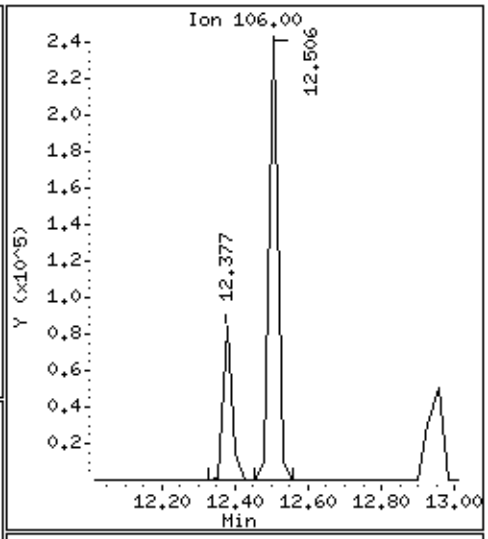
Column phase: DB-5.625

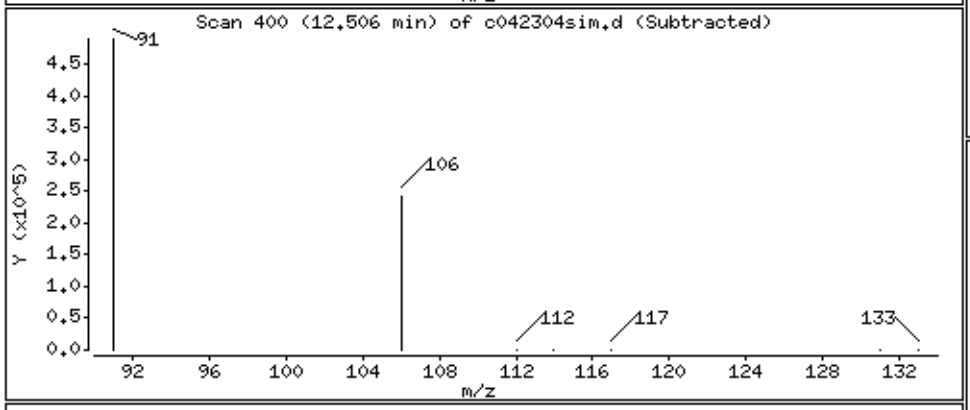
Column diameter: 0.25

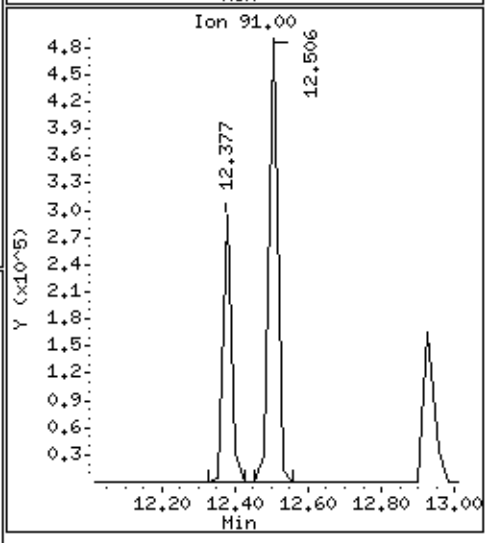
33 m,p-Xylene

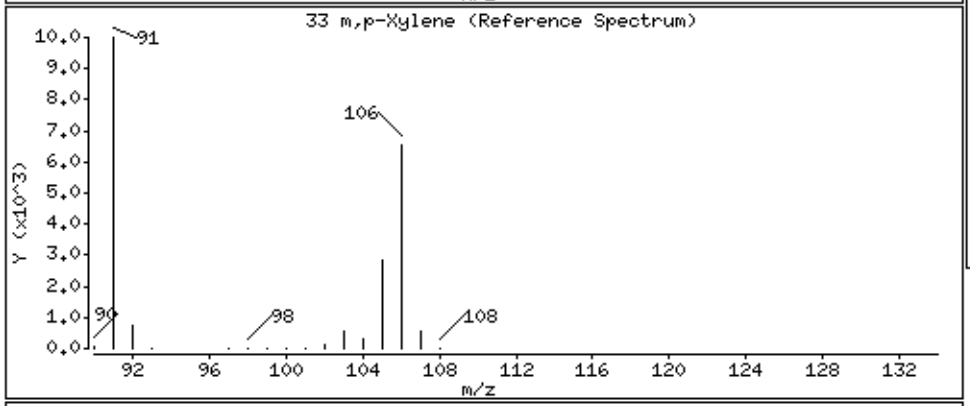
Concentration: 17.0642 ug

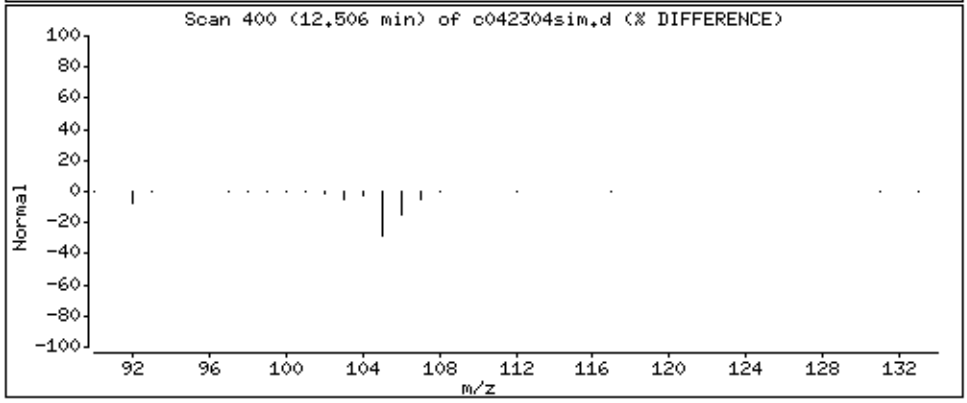












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

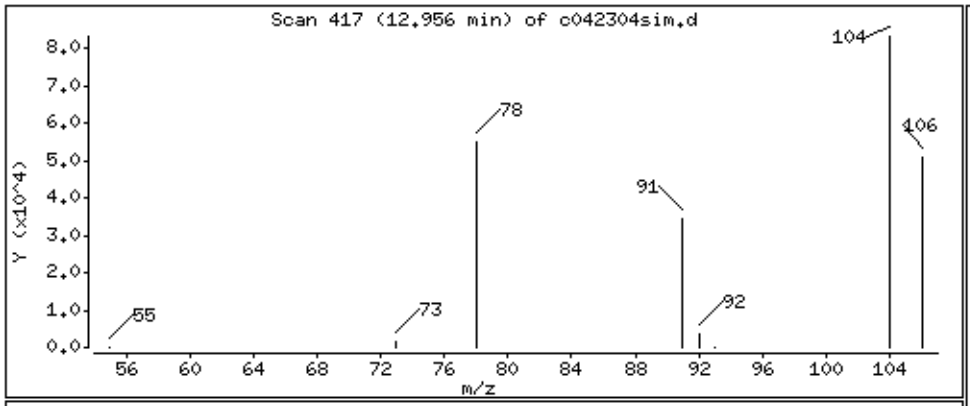
Operator: gm

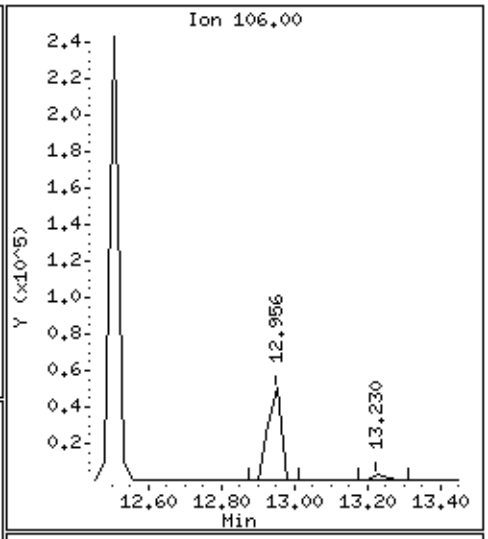
Column phase: DB-5.625

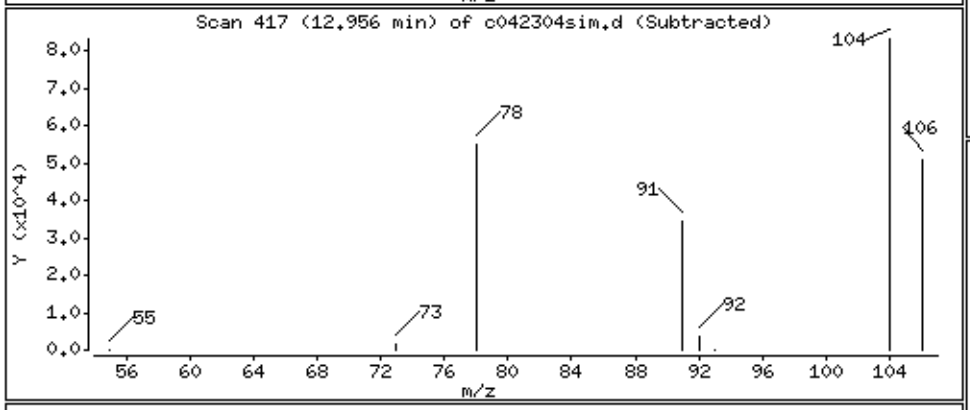
Column diameter: 0.25

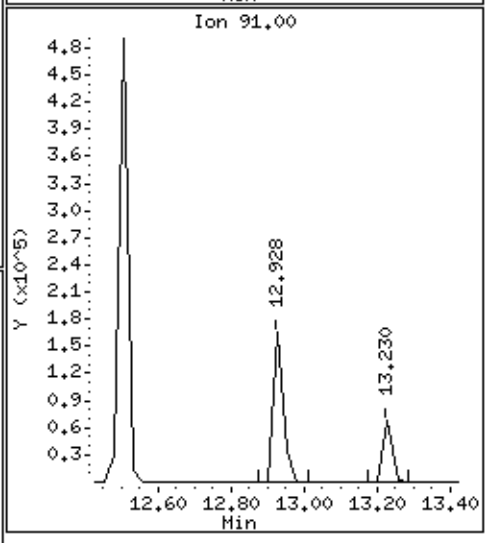
34 o-Xylene

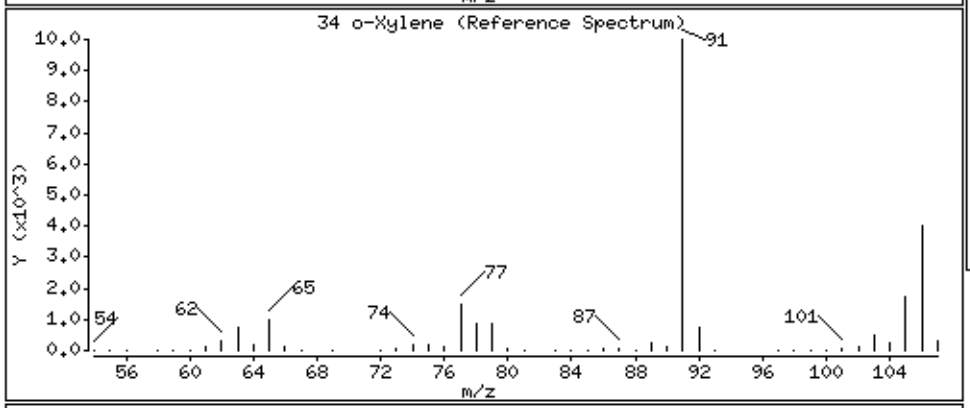
Concentration: 7.10558 ug

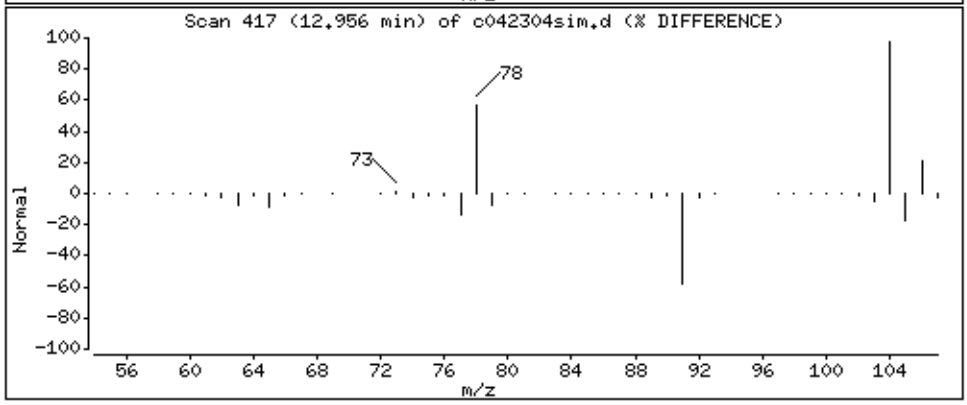












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

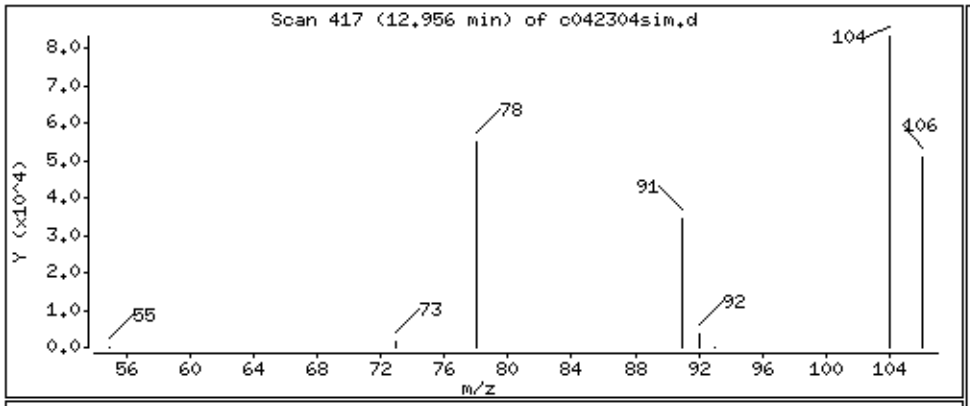
Operator: gm

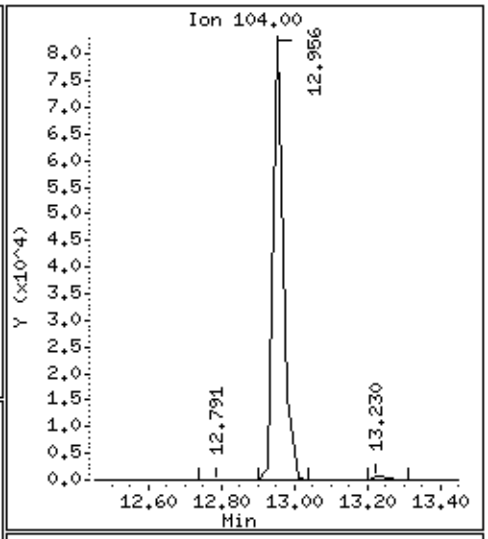
Column phase: DB-5.625

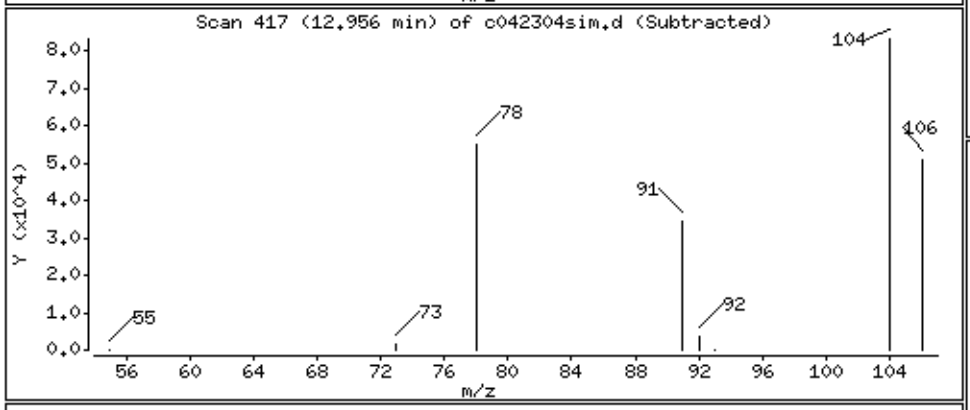
Column diameter: 0.25

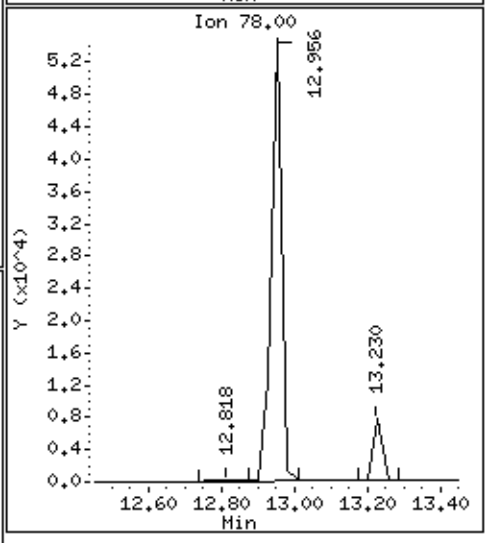
35 Styrene

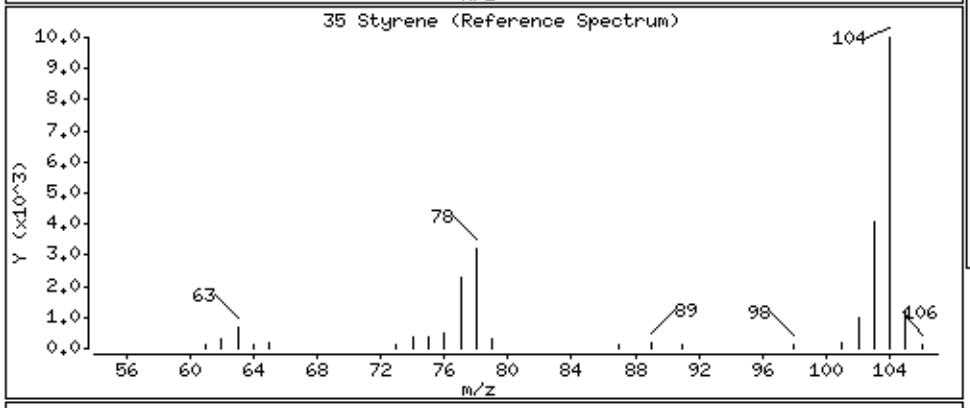
Concentration: 5.22508 ug

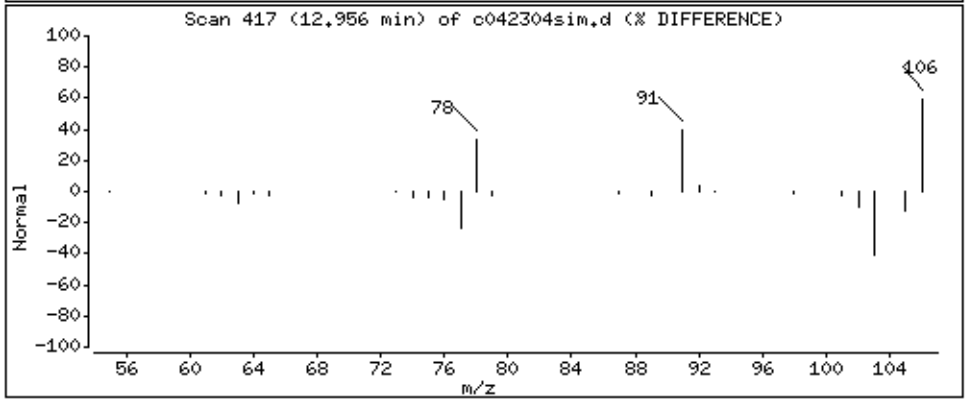












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

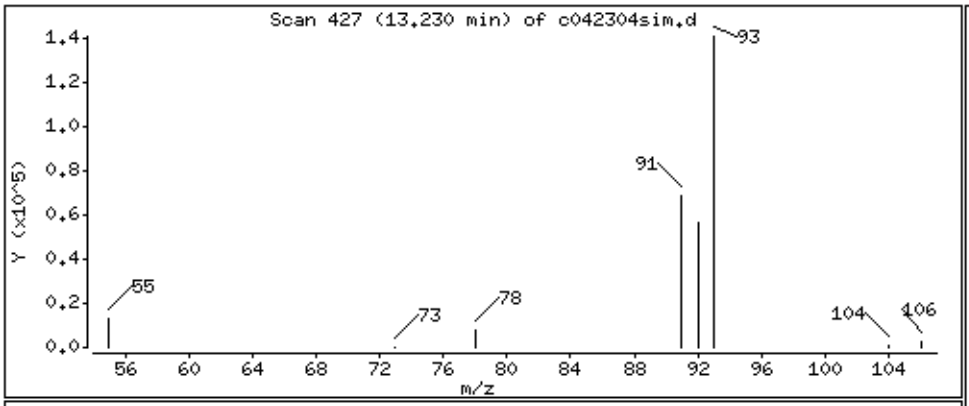
Operator: gm

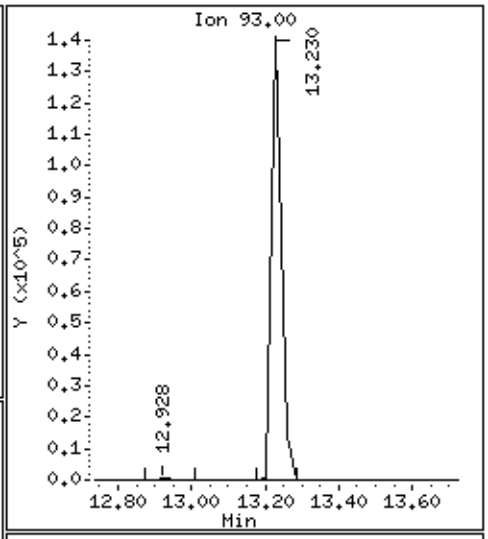
Column phase: DB-5.625

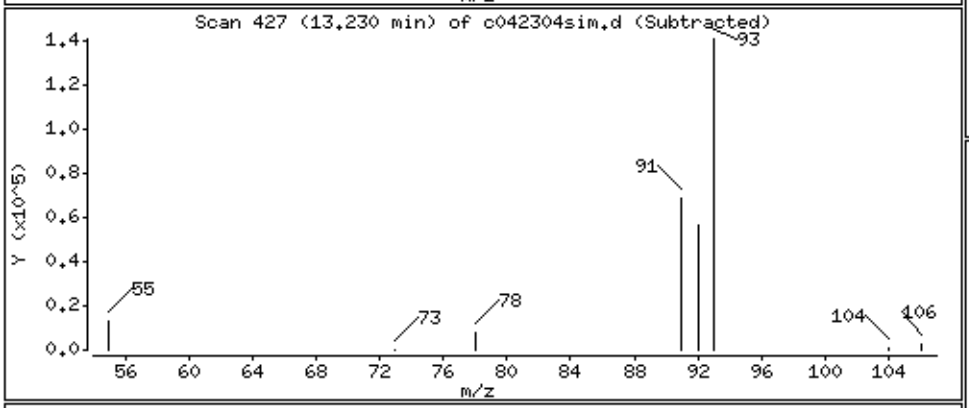
Column diameter: 0.25

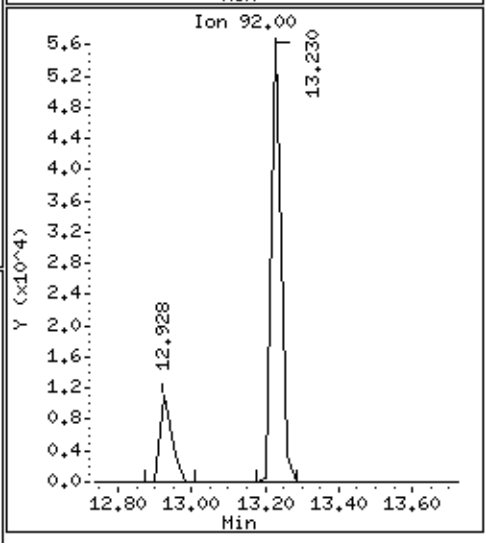
36 a-Pinene

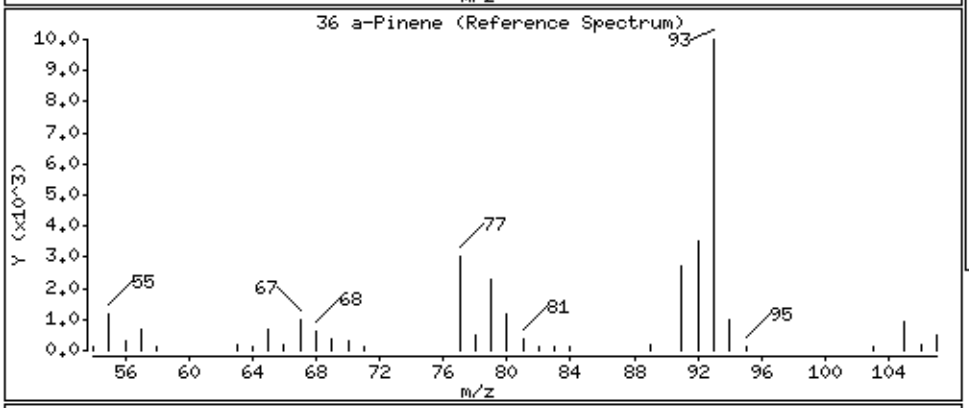
Concentration: 11.5502 ug

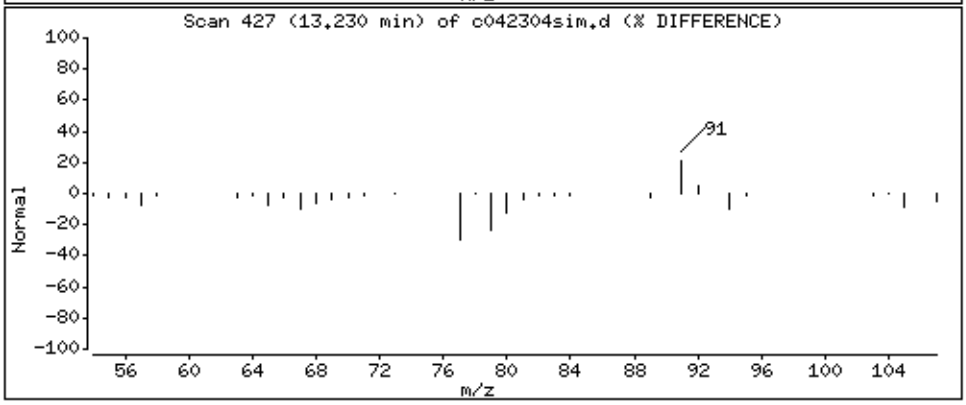












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

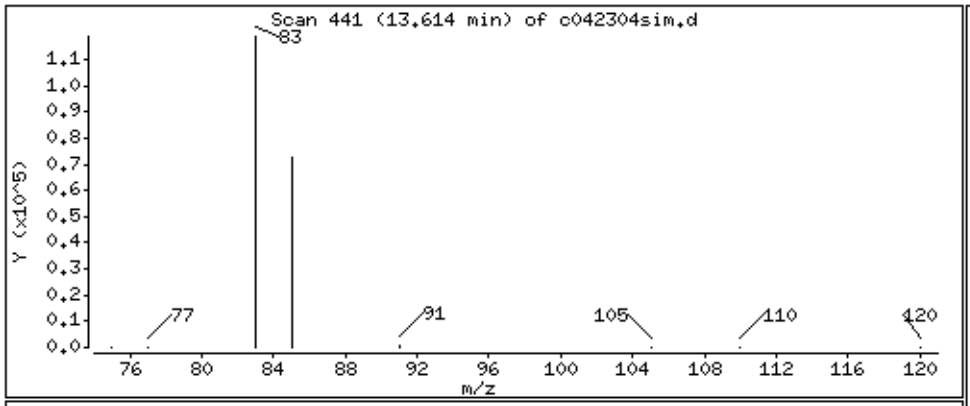
Operator: gm

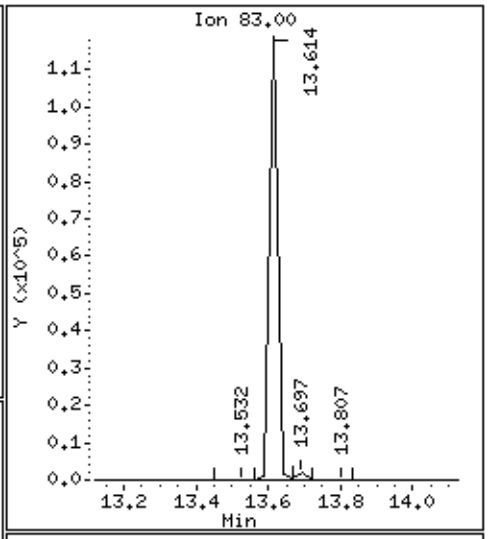
Column phase: DB-5.625

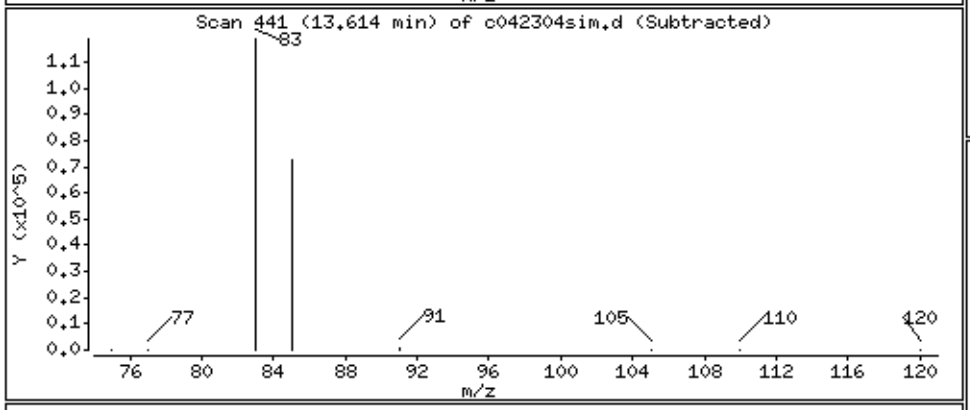
Column diameter: 0.25

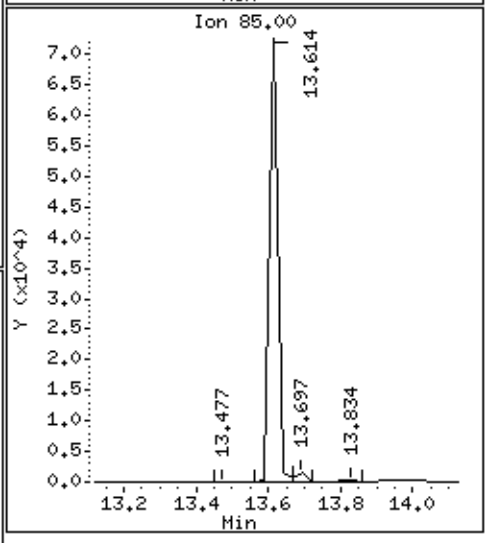
37 1,1,2,2-Tetrachloroethane-SPC

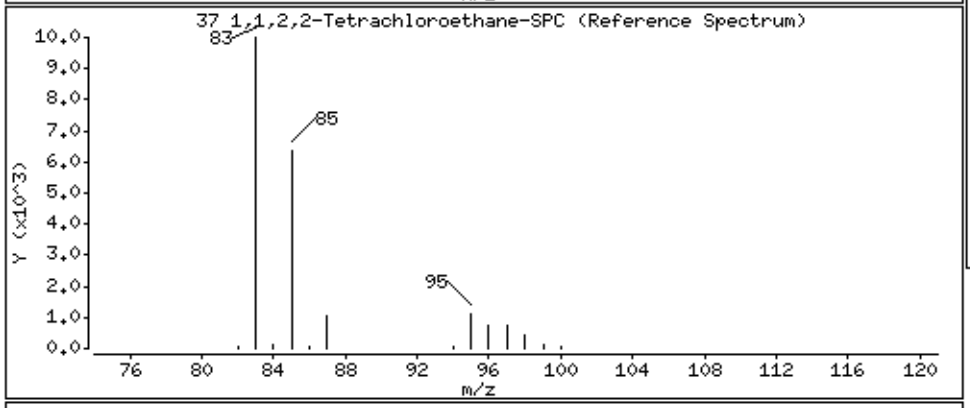
Concentration: 8.57836 ug

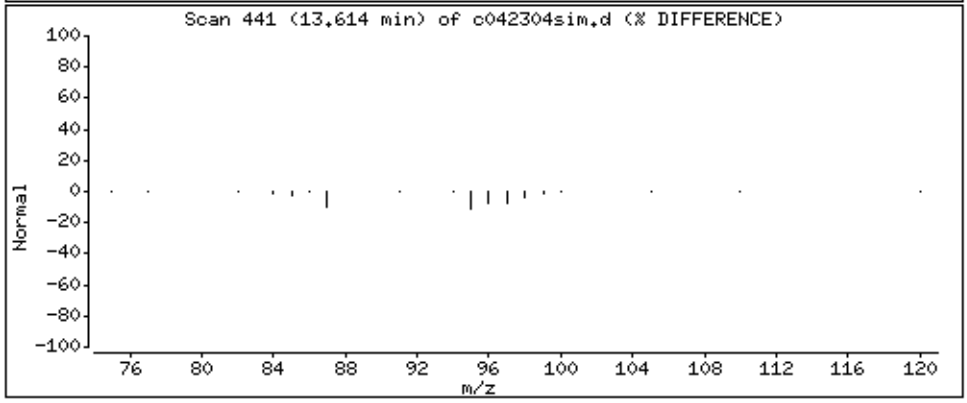












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

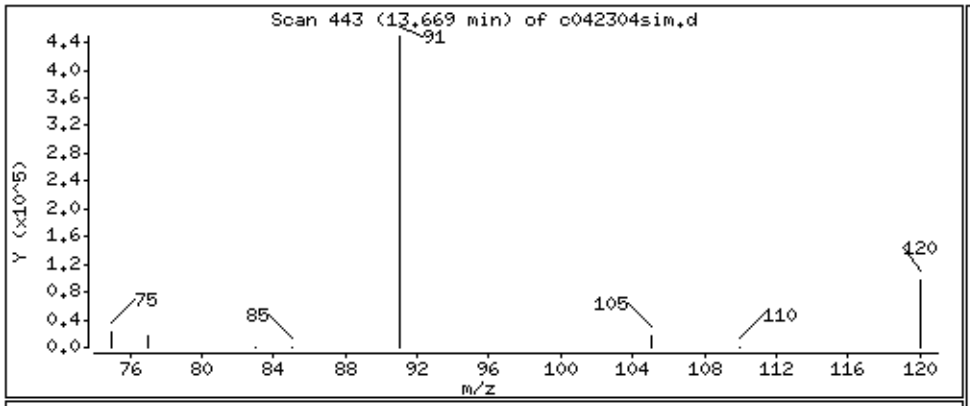
Operator: gm

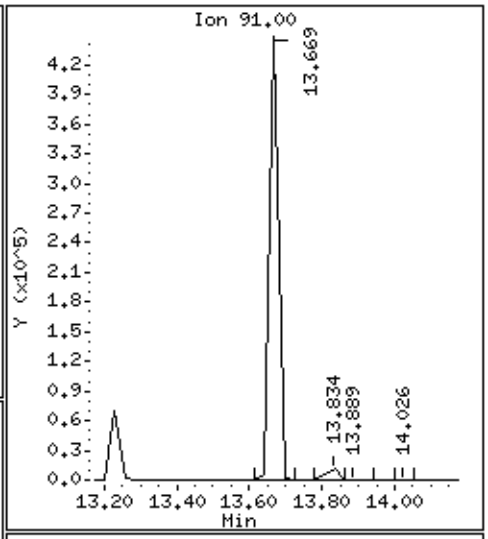
Column phase: DB-5.625

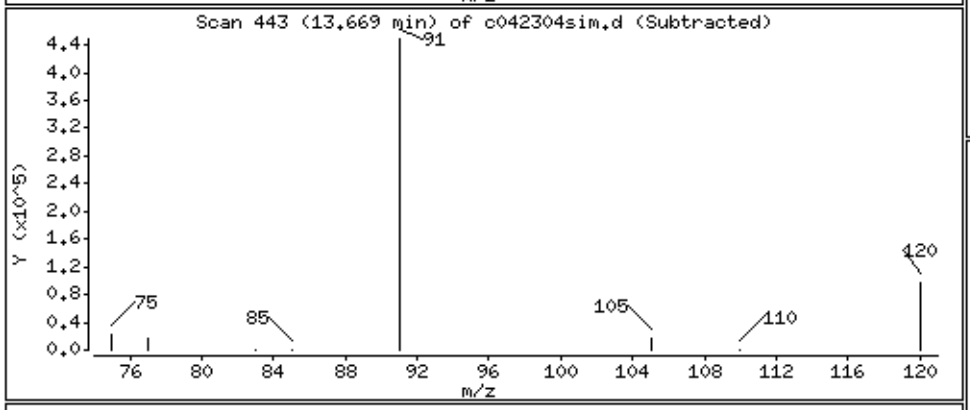
Column diameter: 0.25

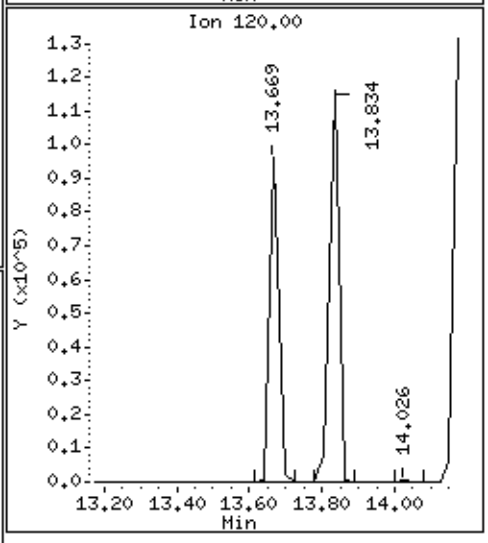
38 Propylbenzene

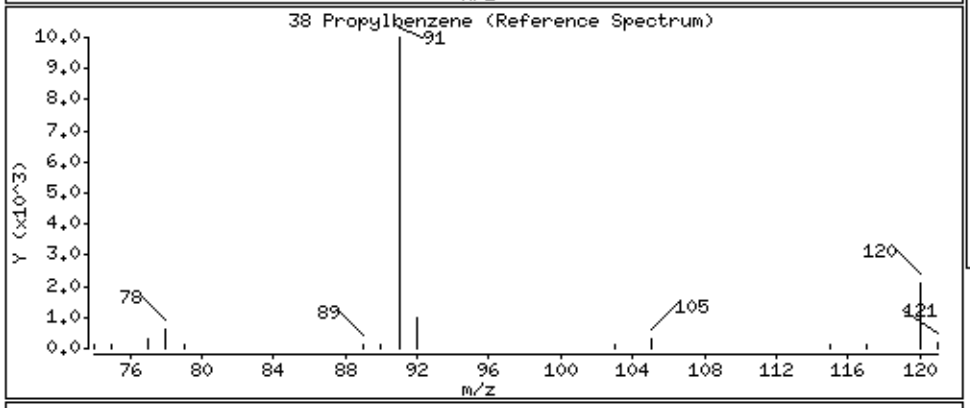
Concentration: 8.31506 ug

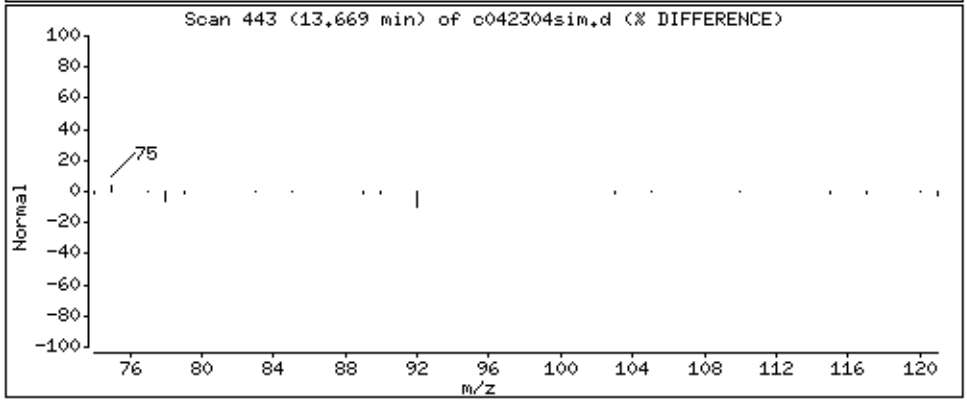












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

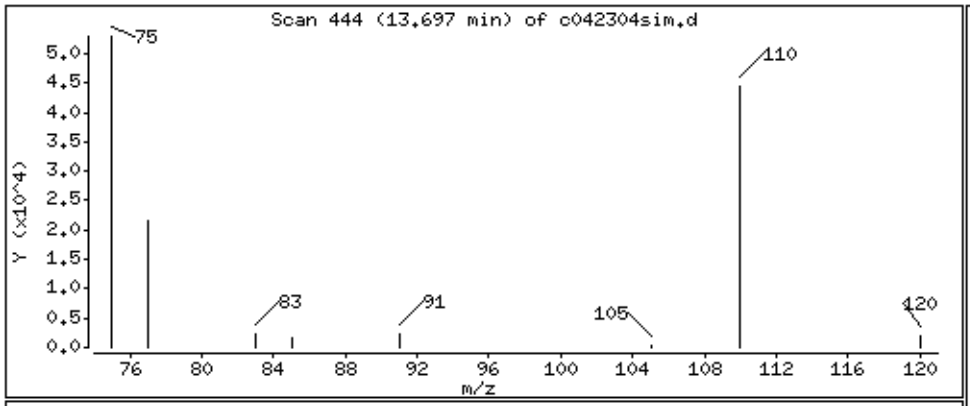
Operator: gm

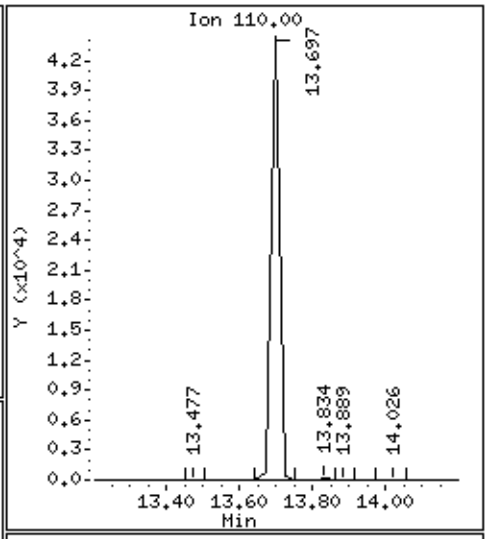
Column phase: DB-5.625

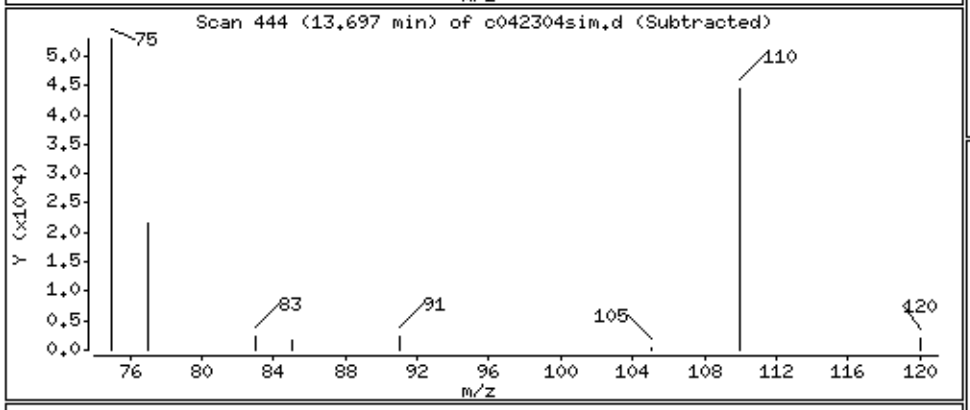
Column diameter: 0.25

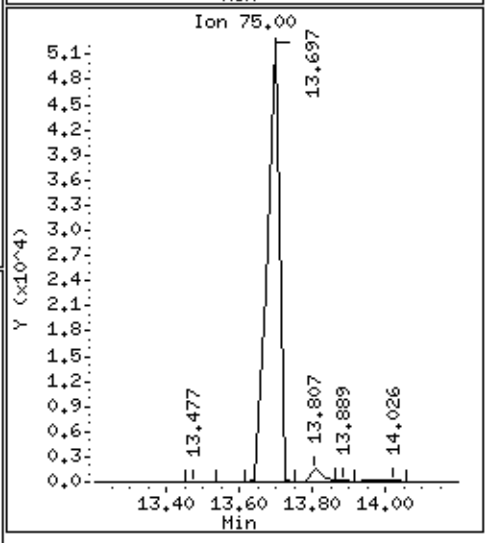
39 1,2,3-Trichloropropane

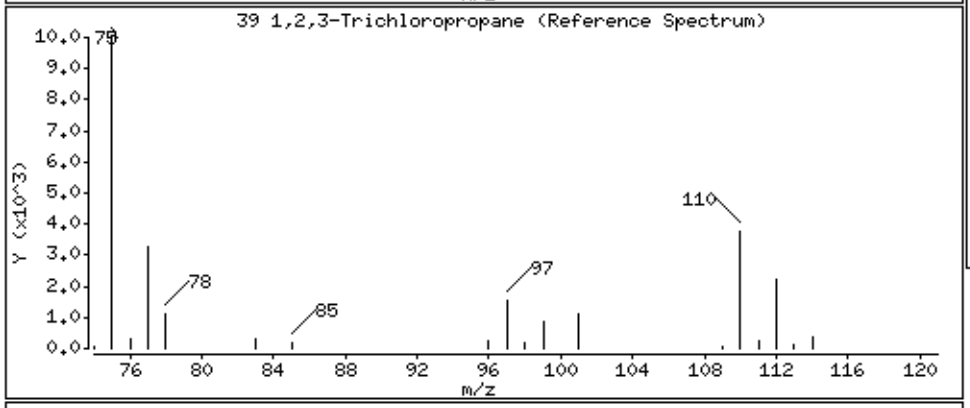
Concentration: 8.25945 ug

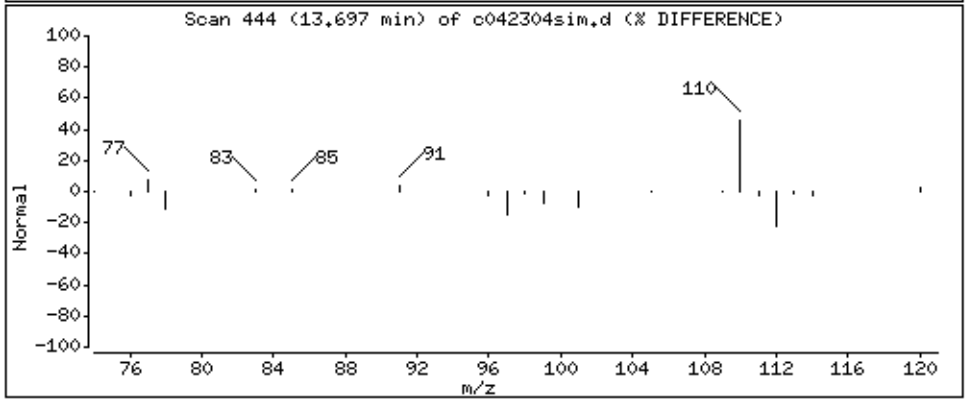












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

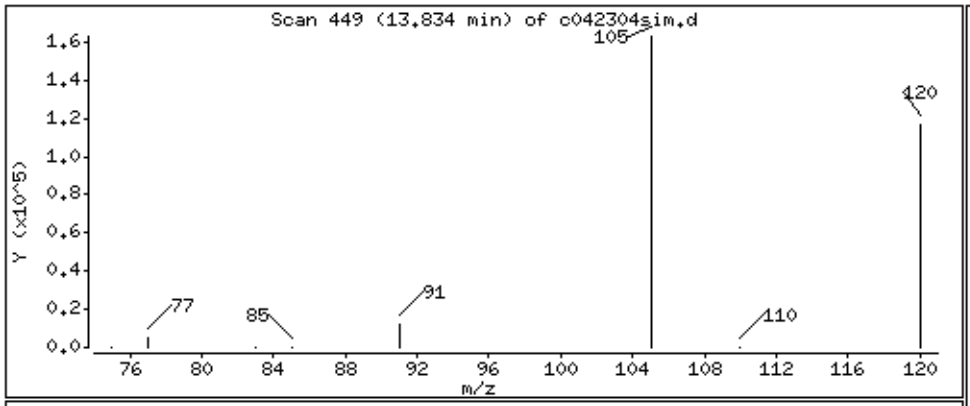
Operator: gm

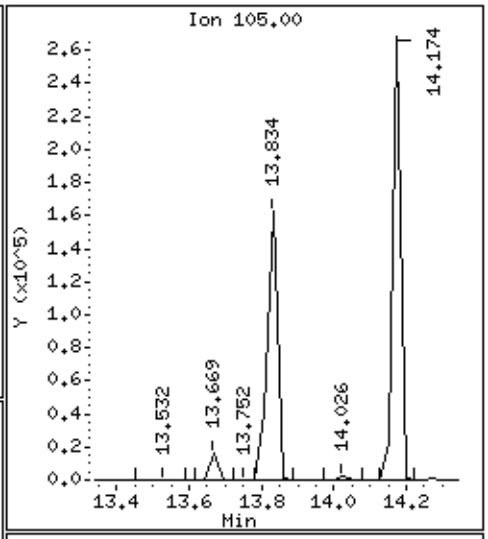
Column phase: DB-5.625

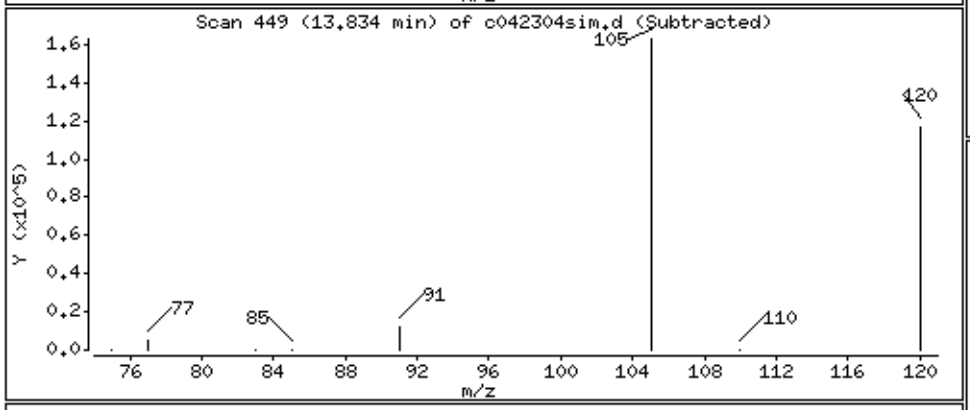
Column diameter: 0.25

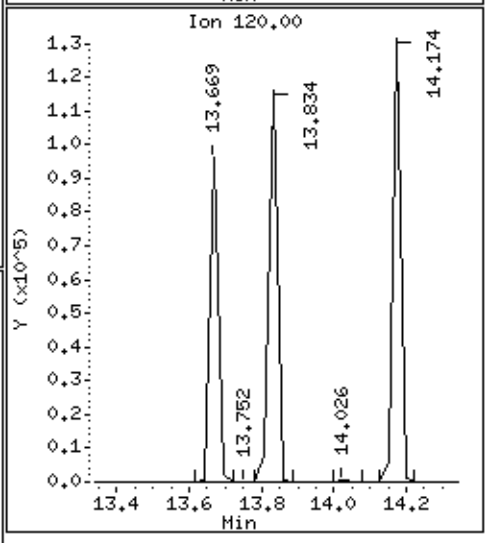
40 1,3,5-Trimethylbenzene

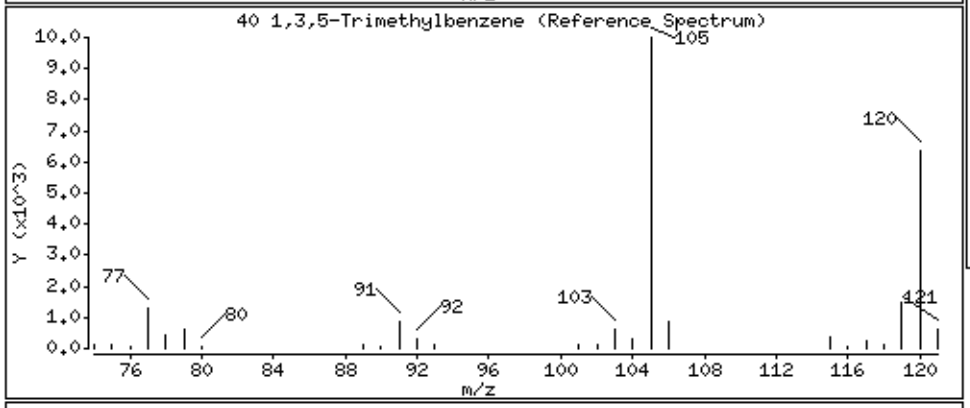
Concentration: 7.85247 ug

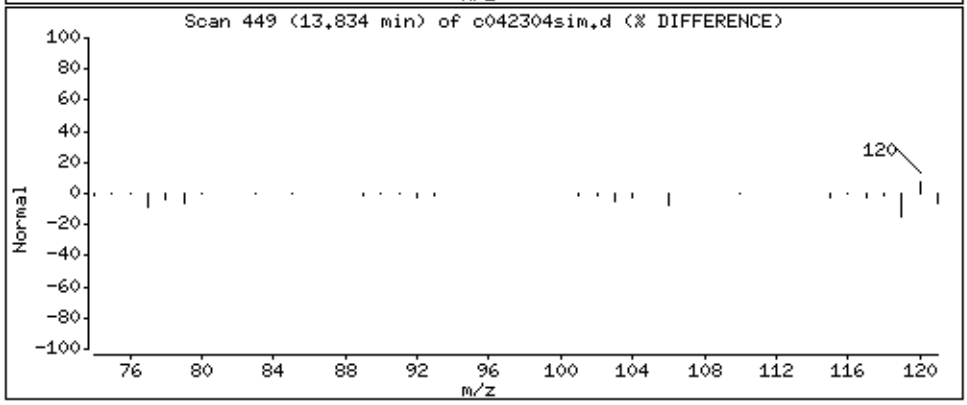












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

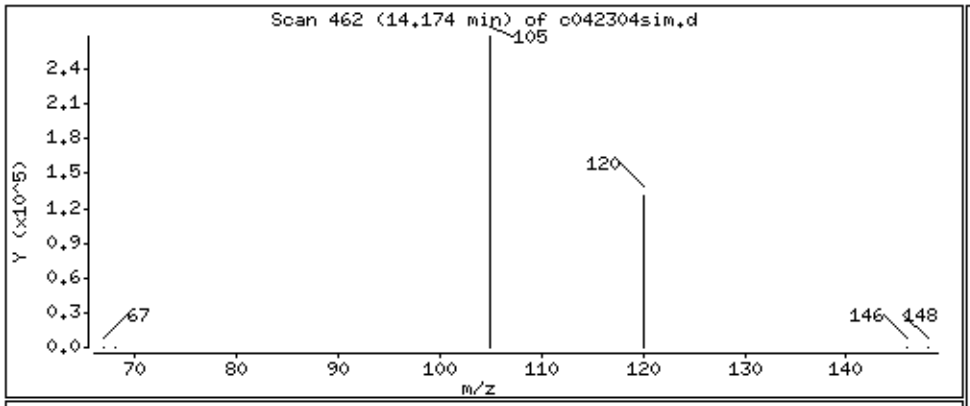
Operator: gm

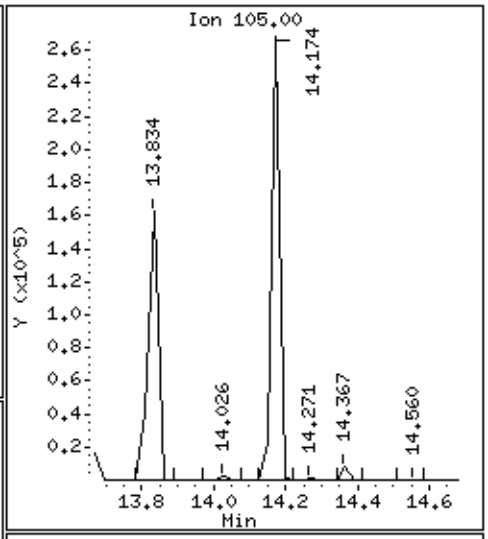
Column phase: DB-5.625

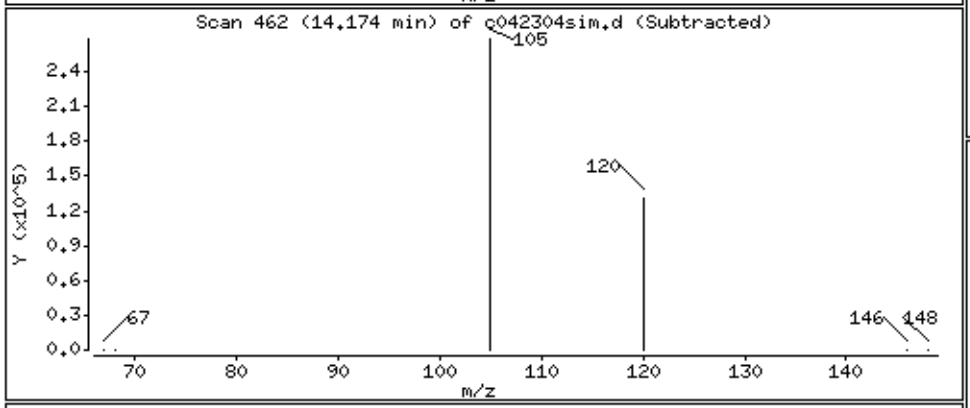
Column diameter: 0.25

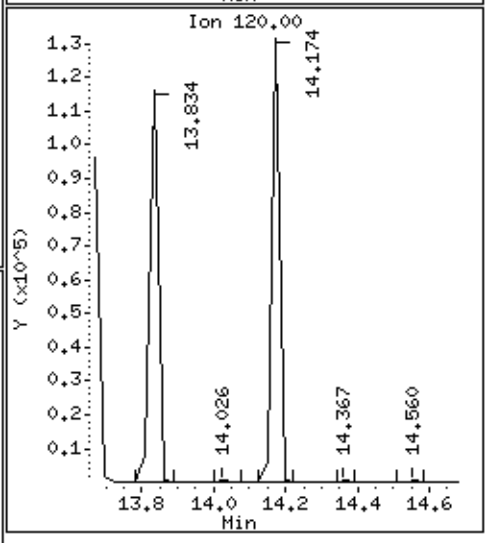
41 1,2,4-Trimethylbenzene

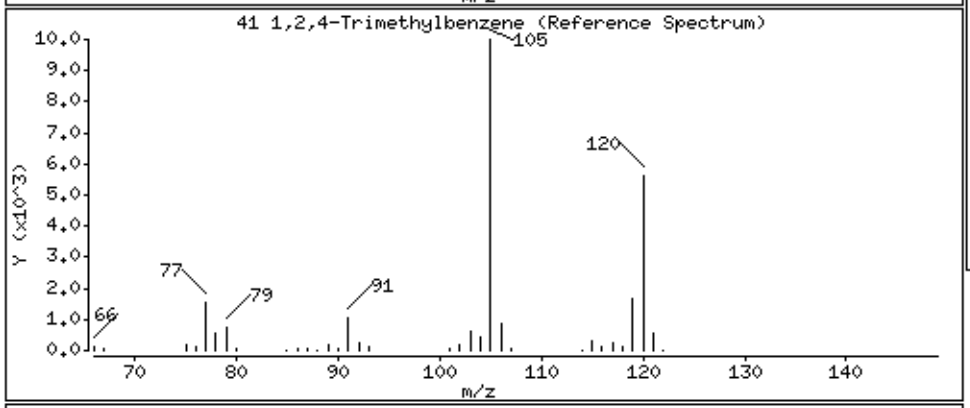
Concentration: 7.82015 ug

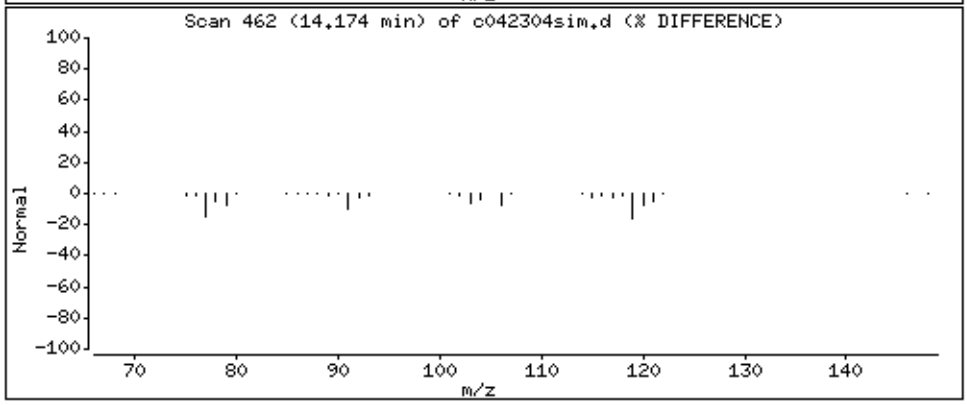












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

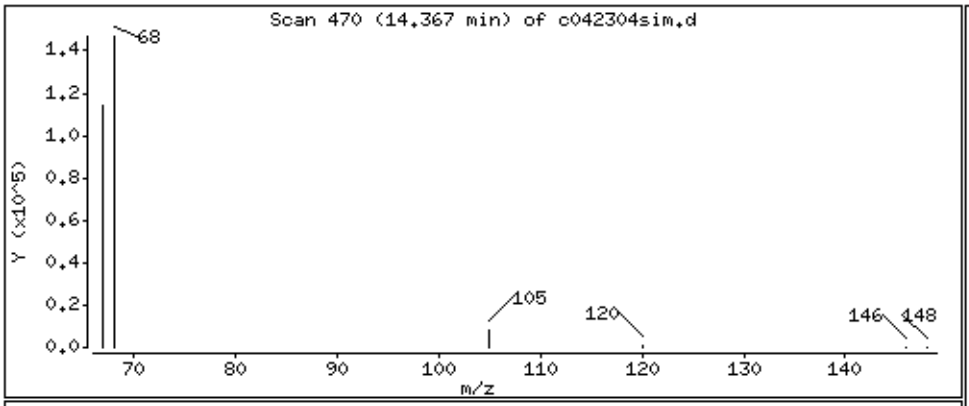
Operator: gm

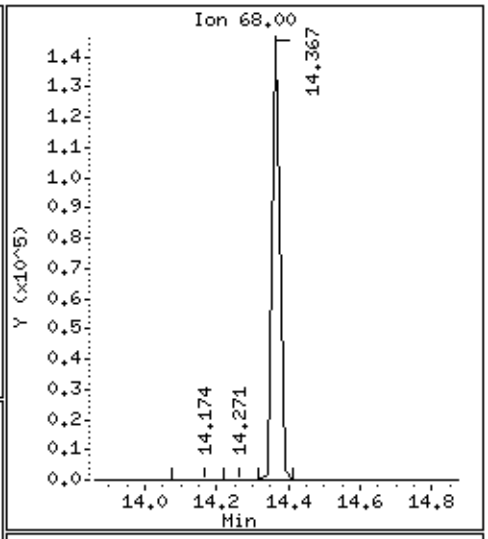
Column phase: DB-5.625

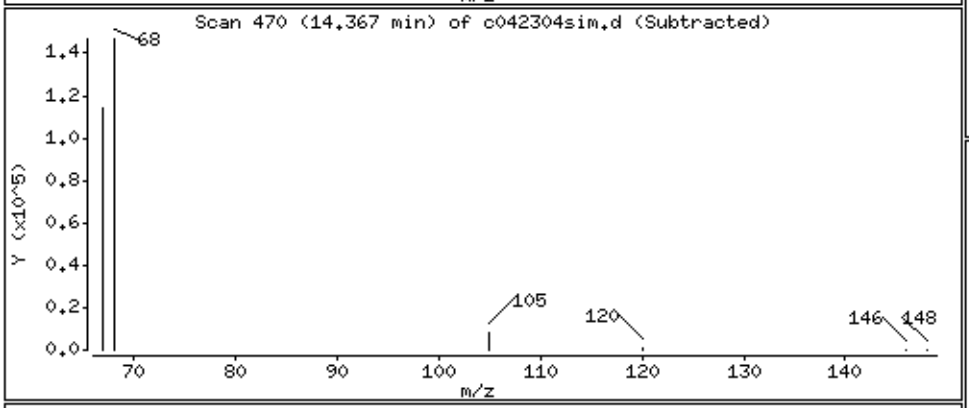
Column diameter: 0.25

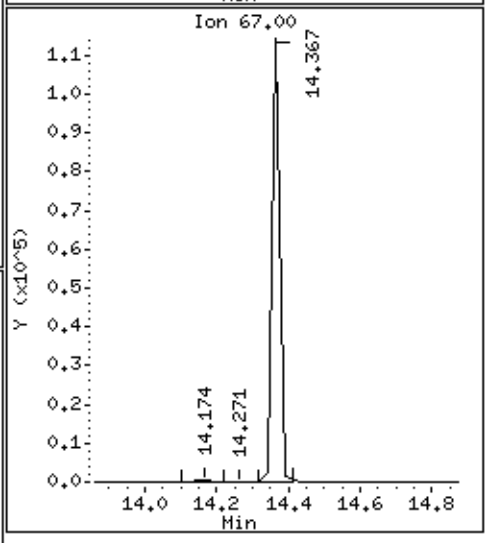
42 R-(+)-Limonene

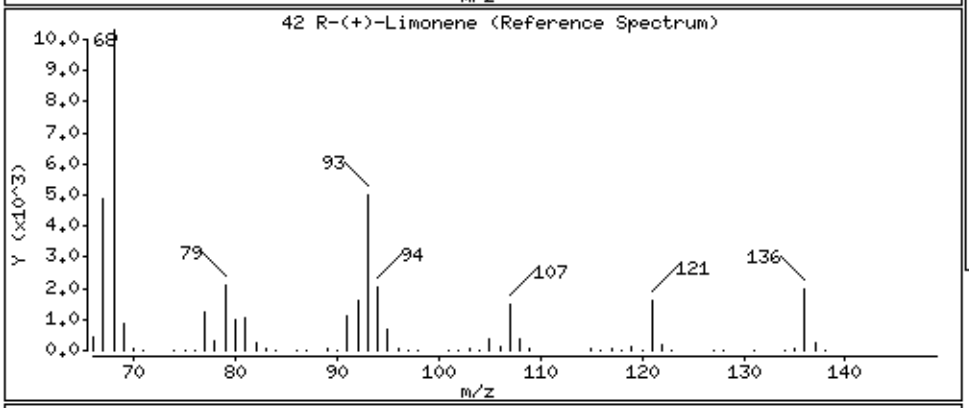
Concentration: 9.69708 ug

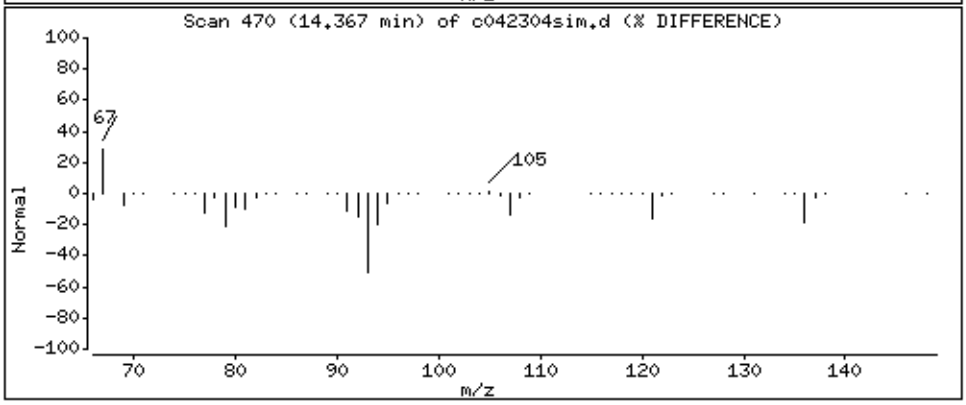












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

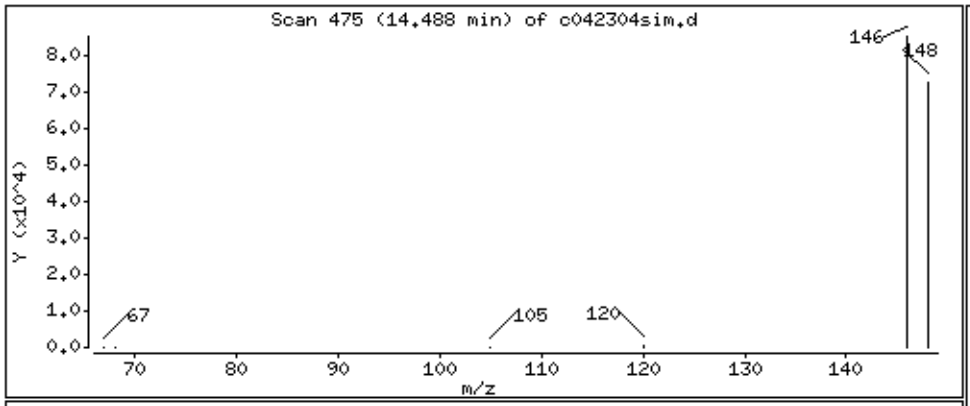
Operator: gm

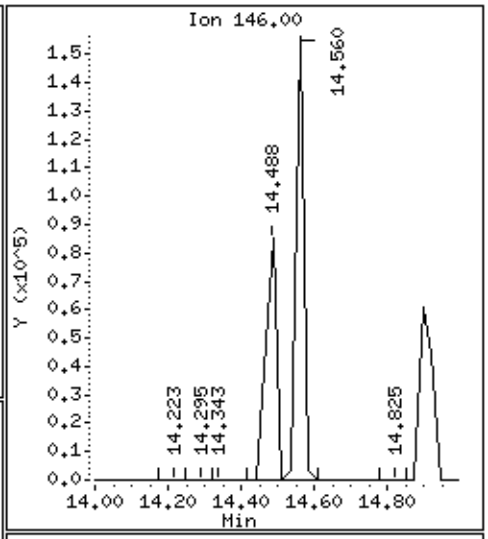
Column phase: DB-5.625

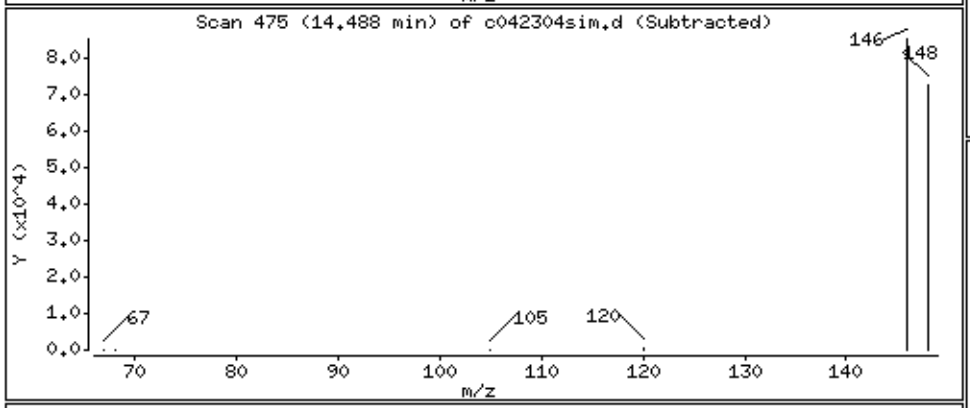
Column diameter: 0.25

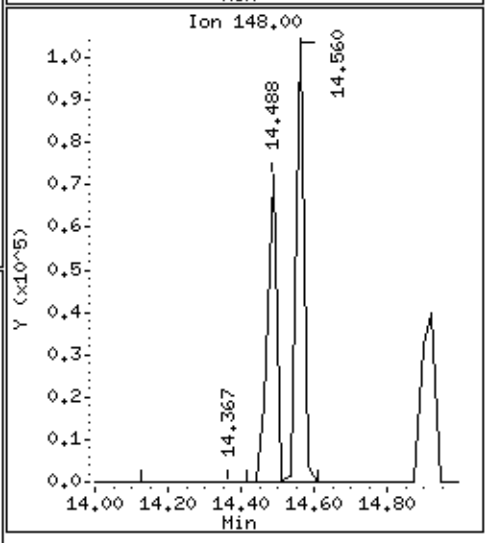
43 1,3-Dichlorobenzene

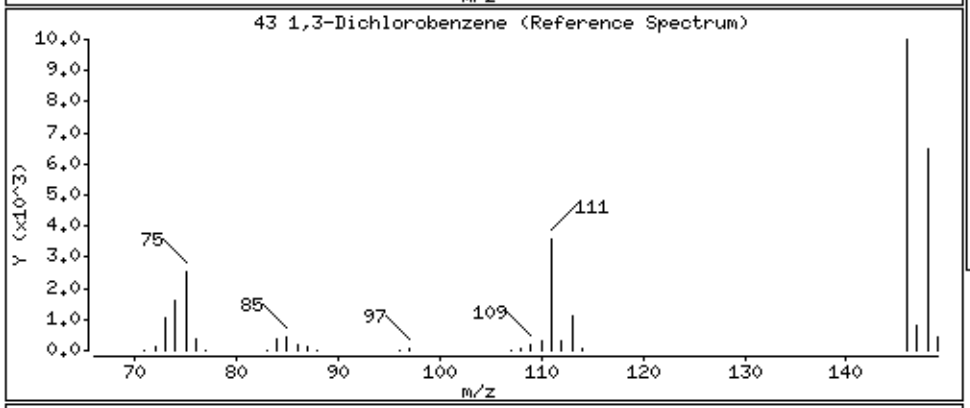
Concentration: 6.13372 ug

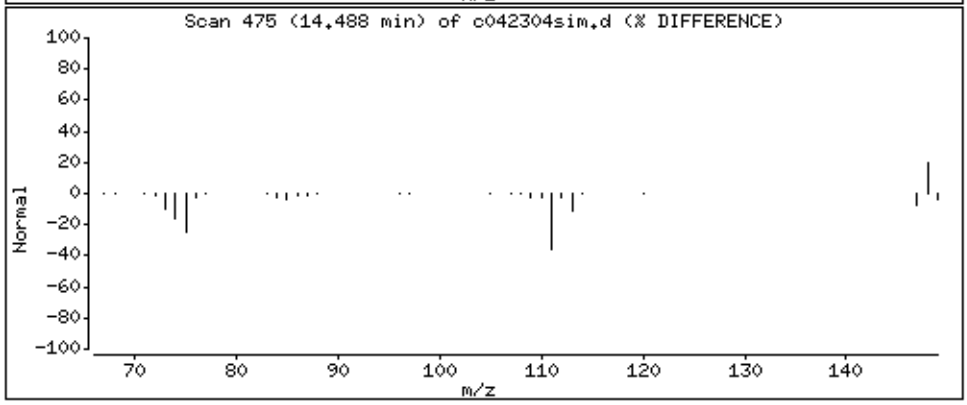












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

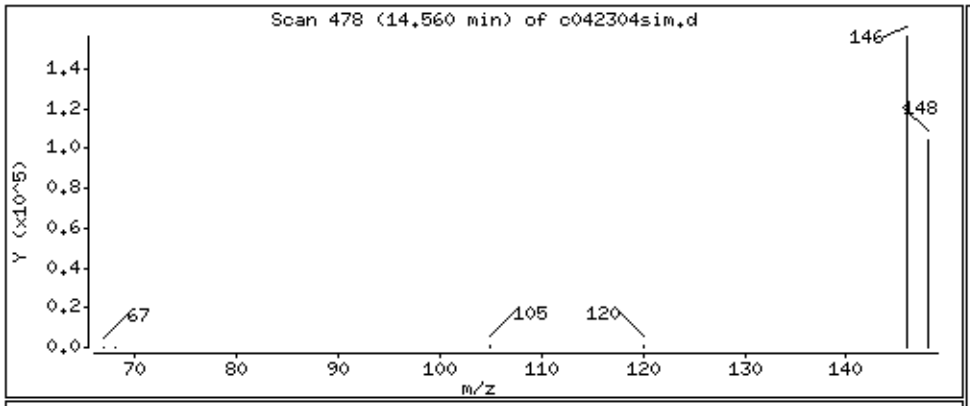
Operator: gm

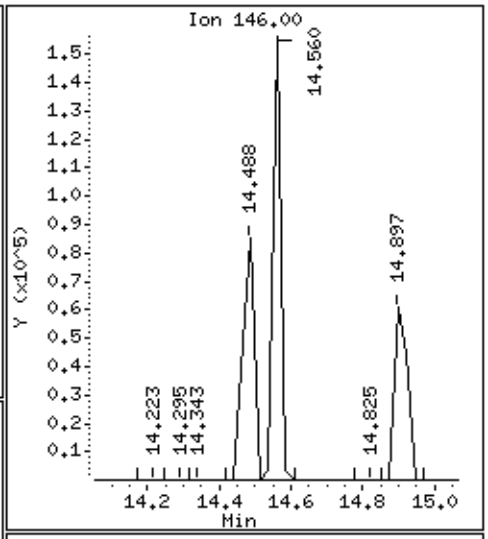
Column phase: DB-5.625

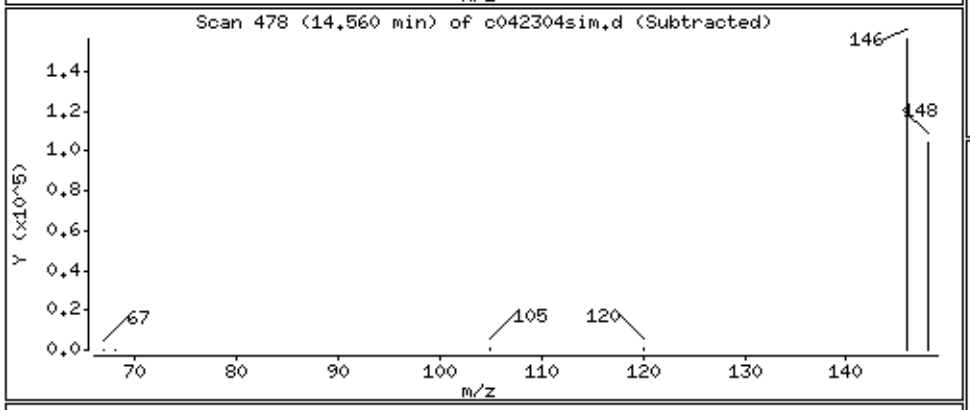
Column diameter: 0.25

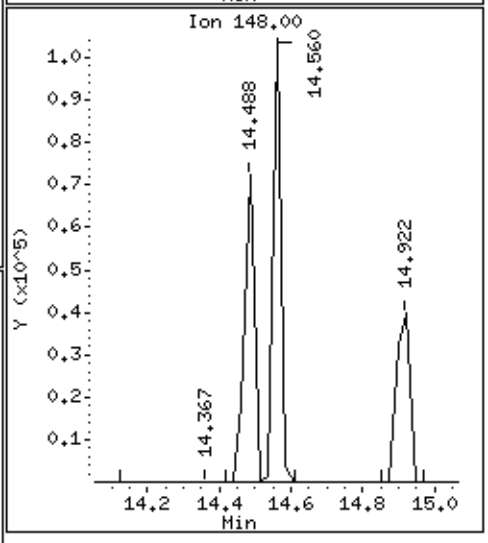
44 1,4-Dichlorobenzene

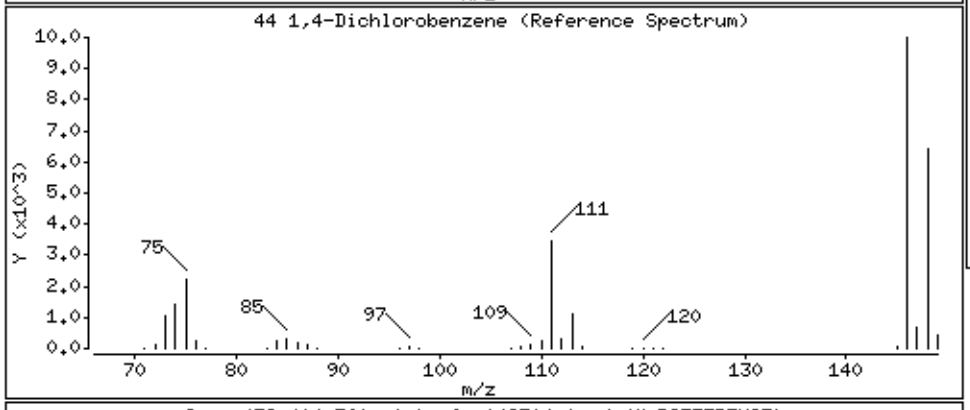
Concentration: 6.18585 ug

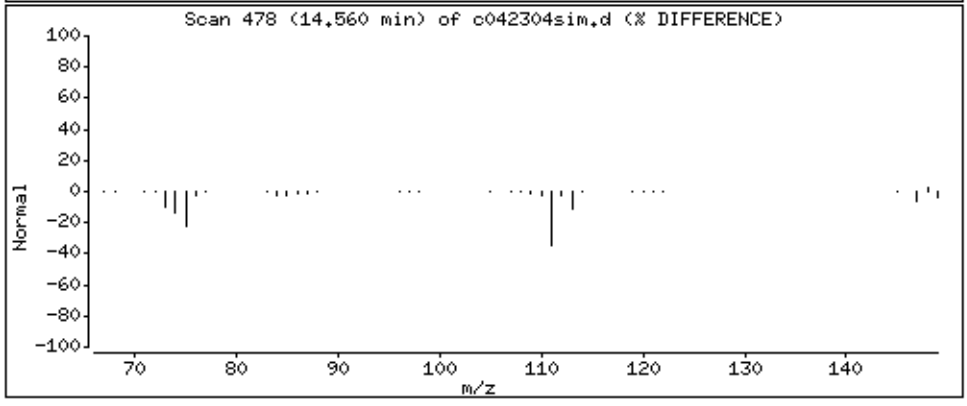












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

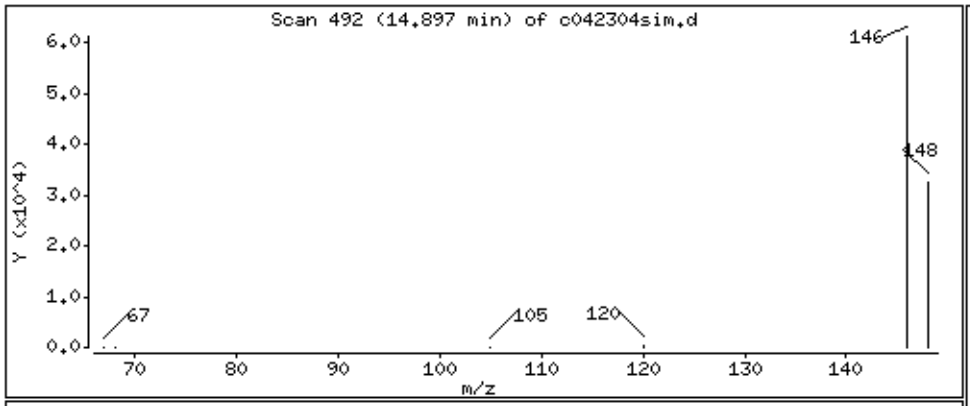
Operator: gm

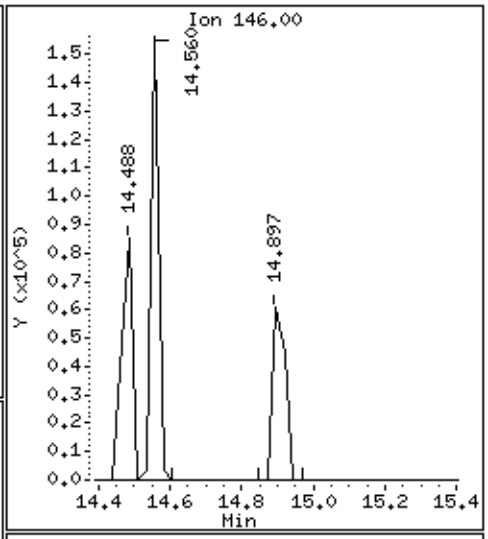
Column phase: DB-5.625

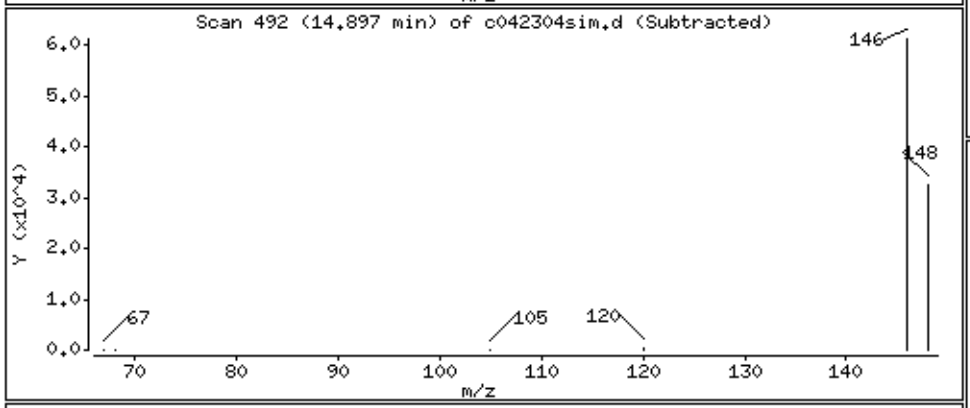
Column diameter: 0.25

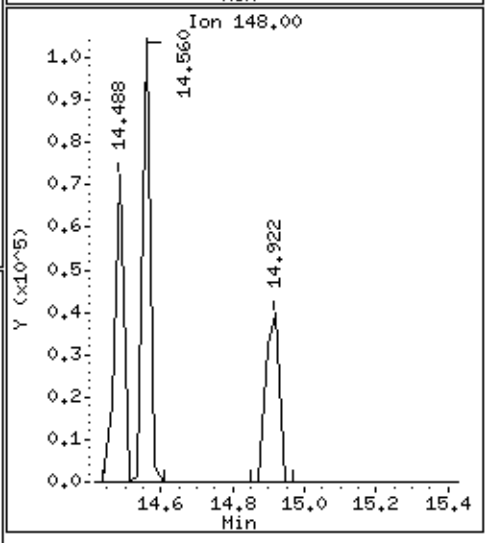
45 1,2-Dichlorobenzene

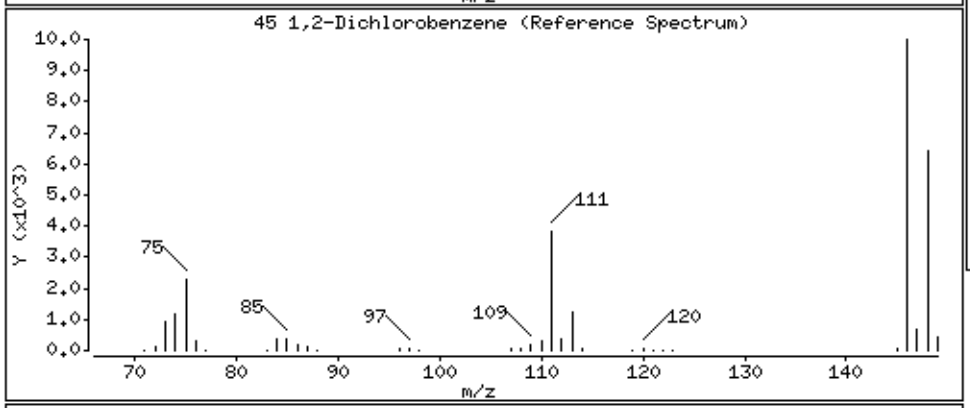
Concentration: 5.68329 ug

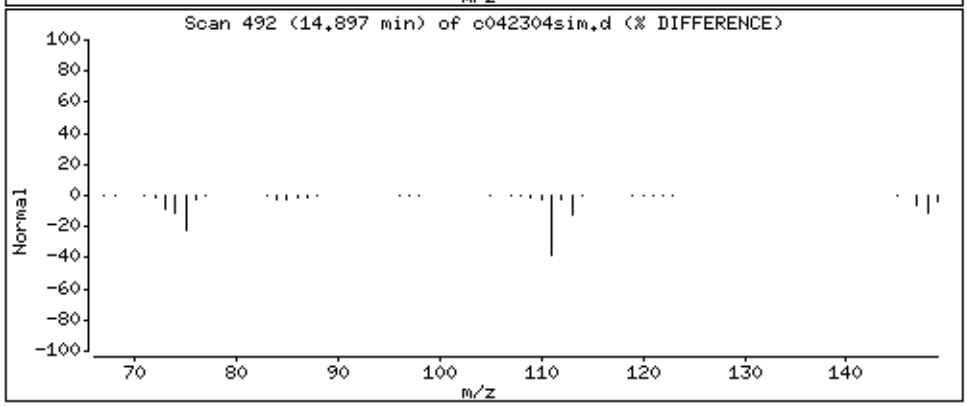












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

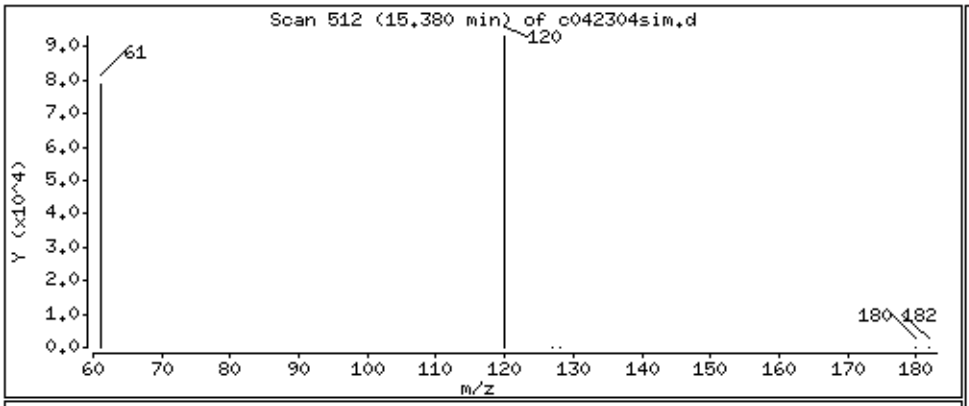
Operator: gm

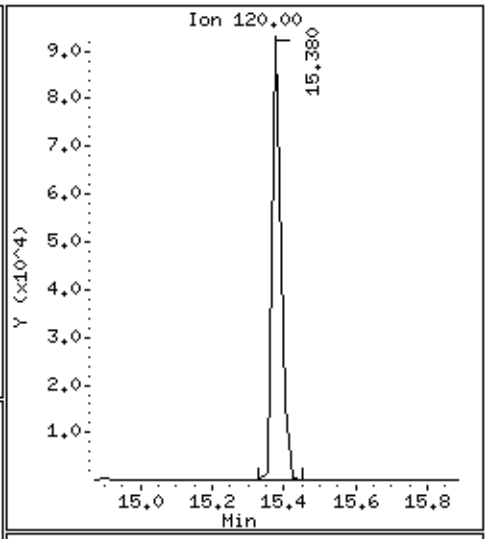
Column phase: DB-5.625

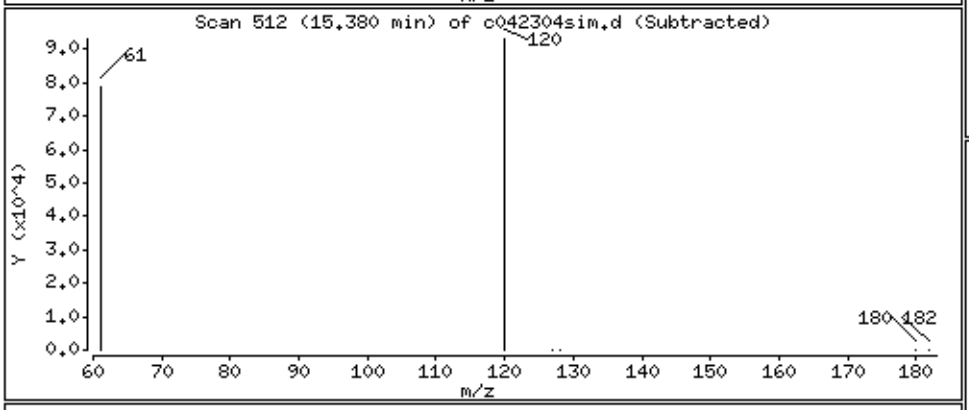
Column diameter: 0.25

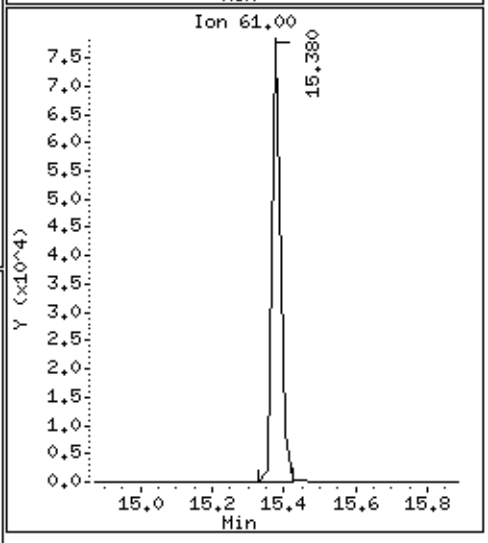
46 1,4-Dithiane

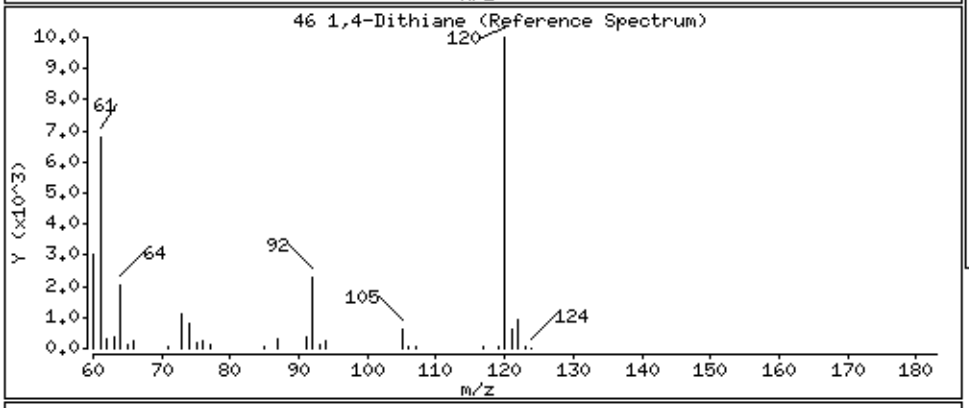
Concentration: 7.41653 ug

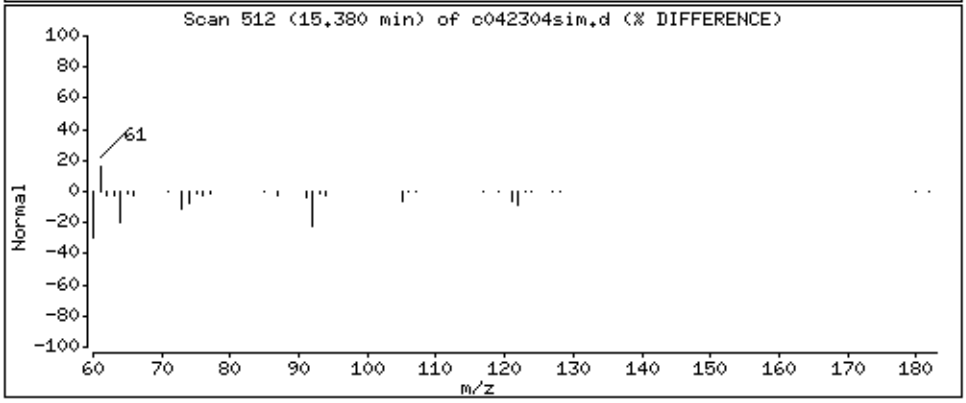












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

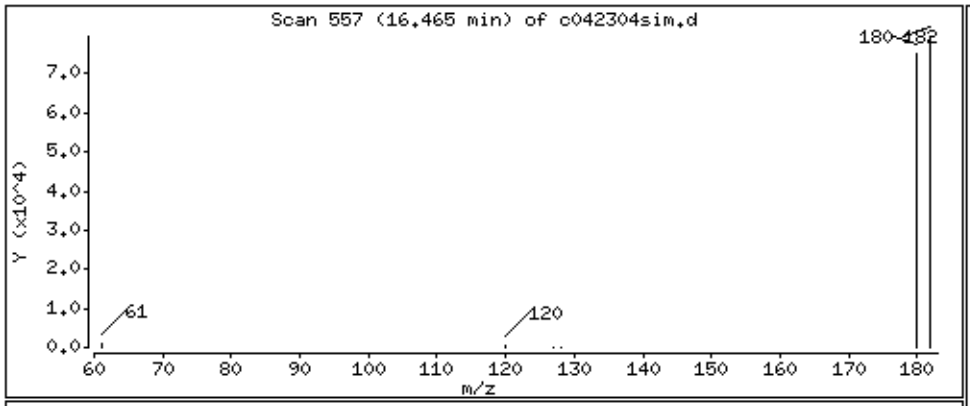
Operator: gm

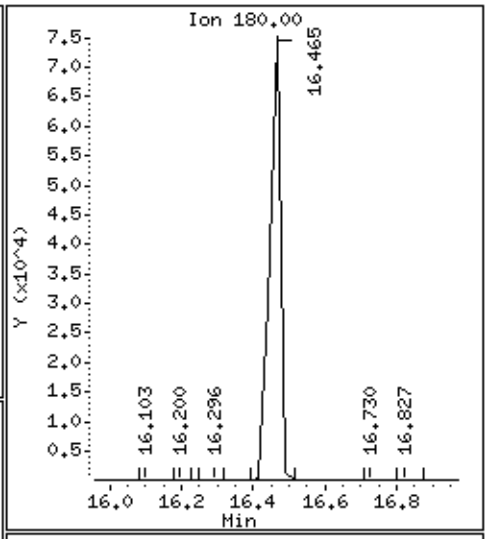
Column phase: DB-5.625

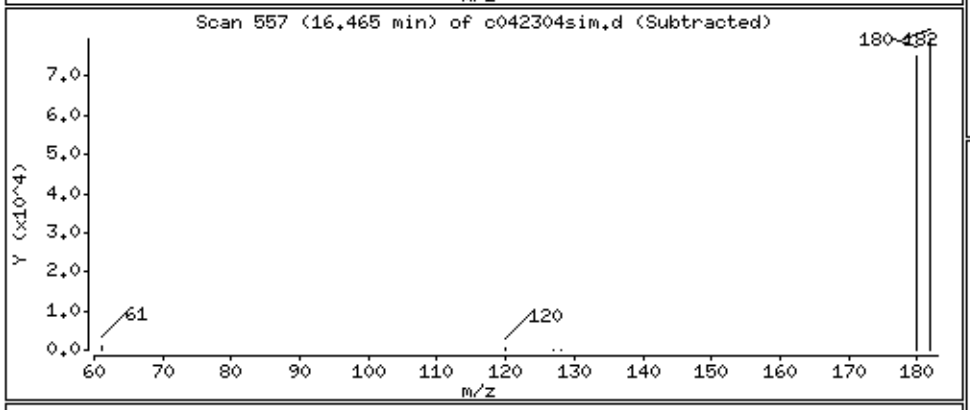
Column diameter: 0.25

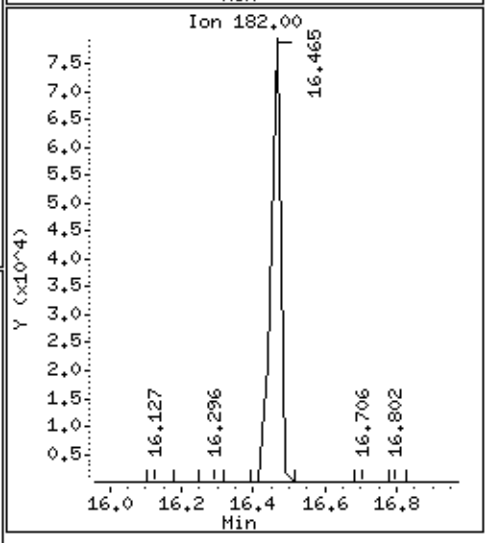
47 1,2,4-Trichlorobenzene

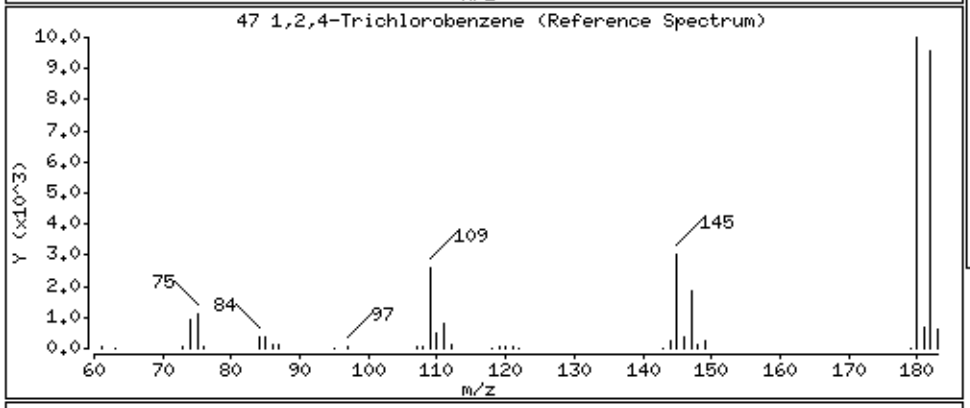
Concentration: 5.00176 ug

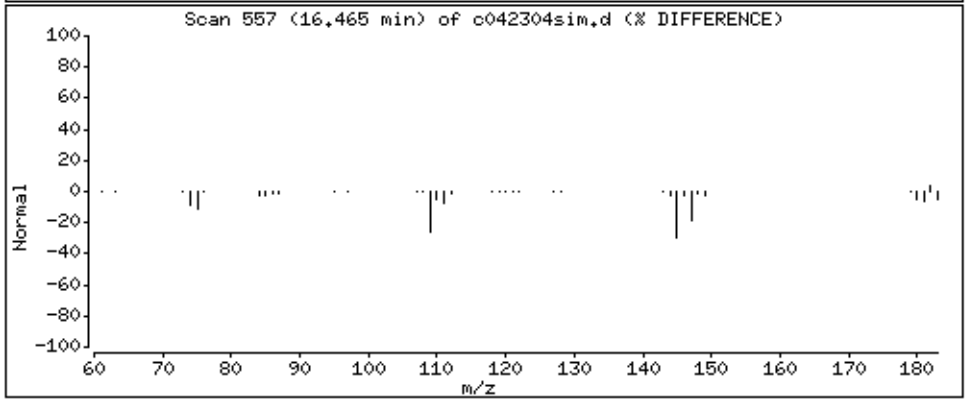












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

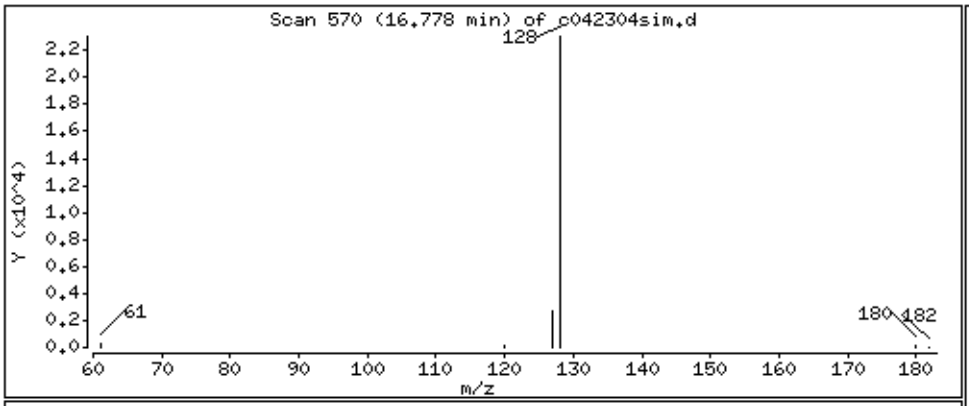
Operator: gm

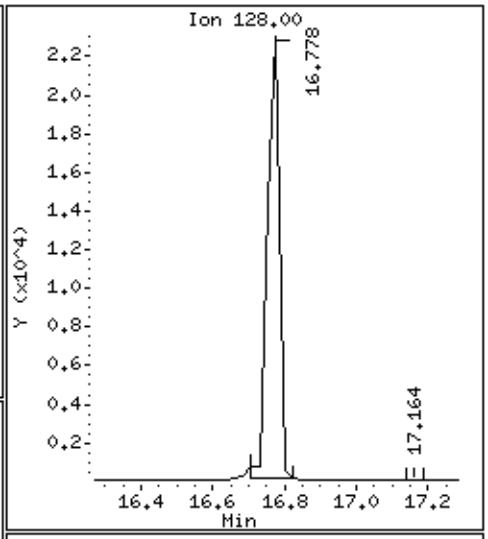
Column phase: DB-5.625

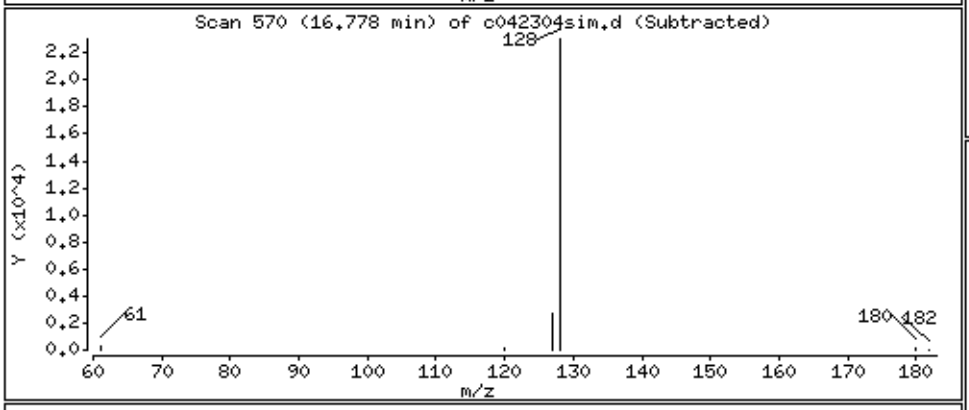
Column diameter: 0.25

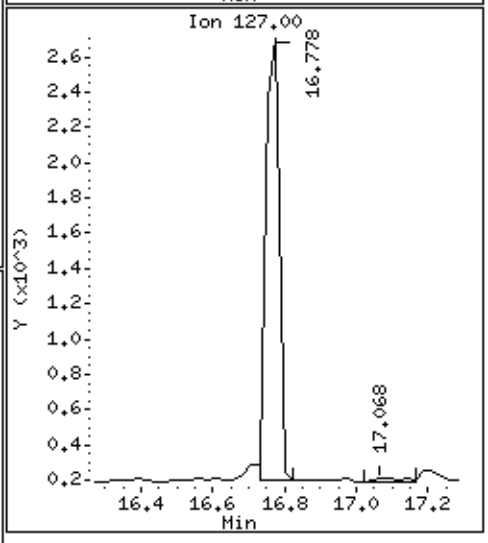
48 Naphthalene

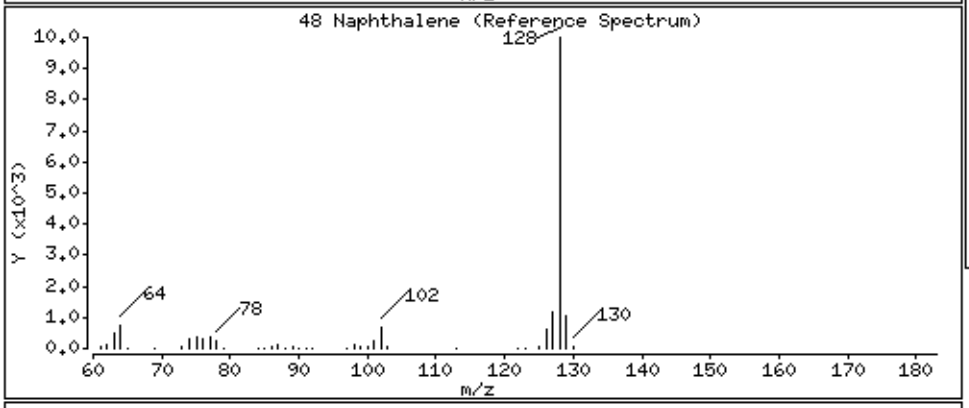
Concentration: 0.832735 ug

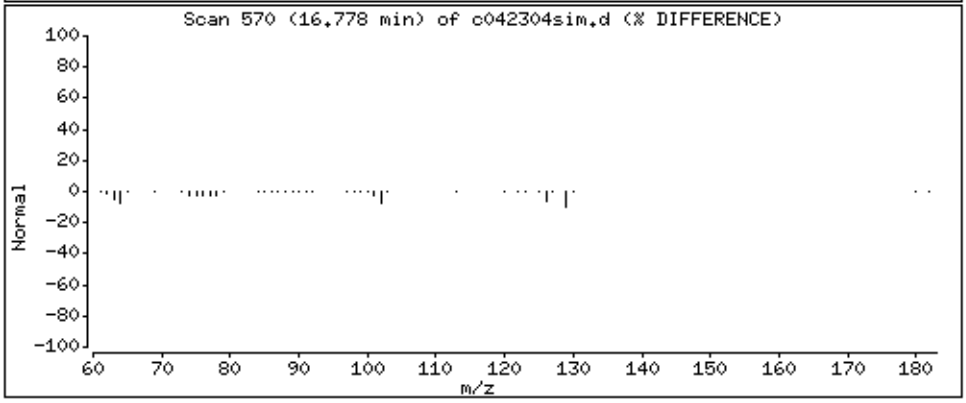












Data File: /chem/msdc.i/23Apr2015.b/c042304sim.d

Date : 23-APR-2015 09:57

Client ID: LCS

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCS

Volume Injected (uL): 1.0

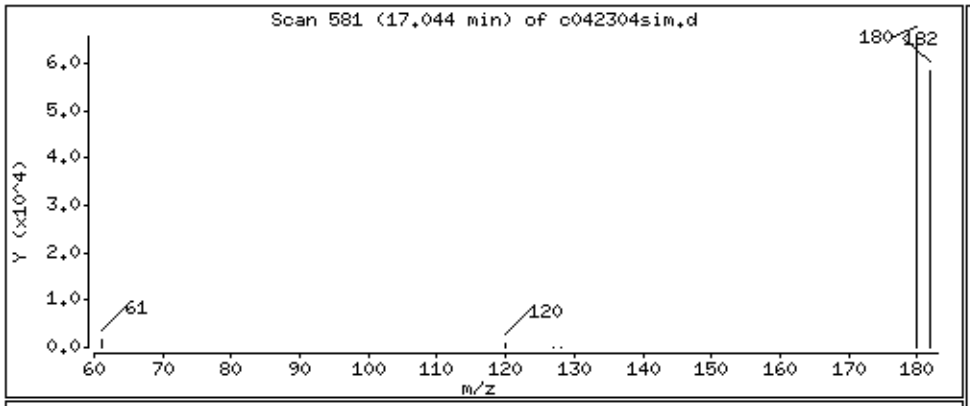
Operator: gm

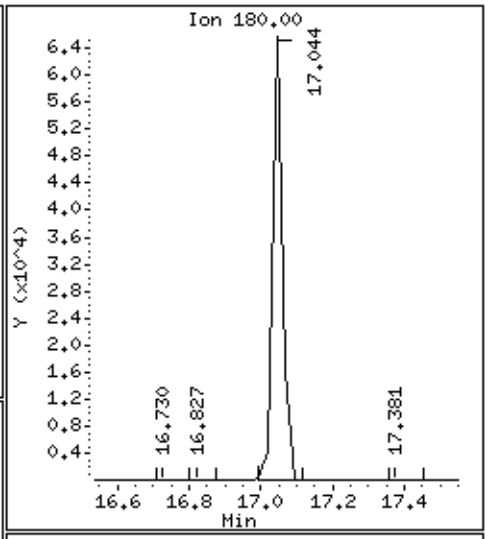
Column phase: DB-5.625

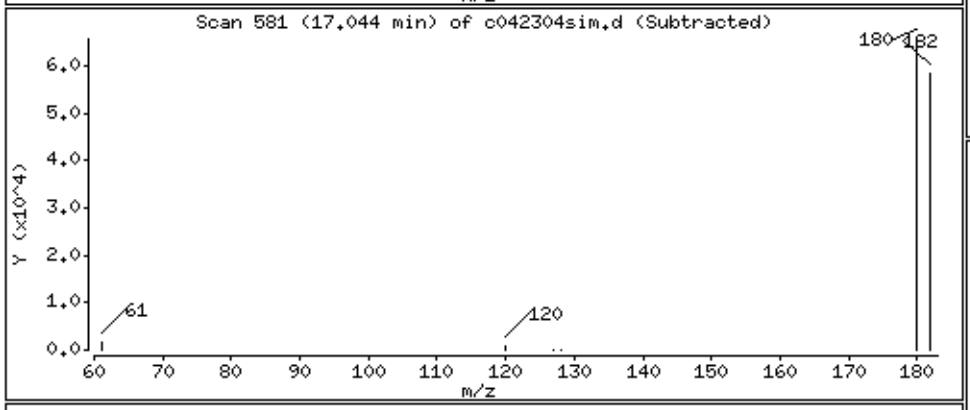
Column diameter: 0.25

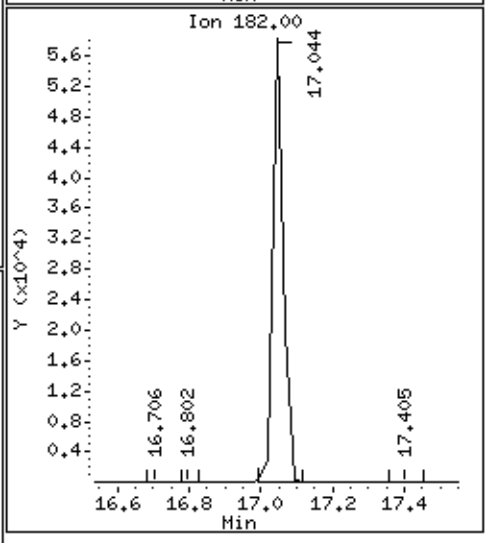
49 1,2,3-Trichlorobenzene

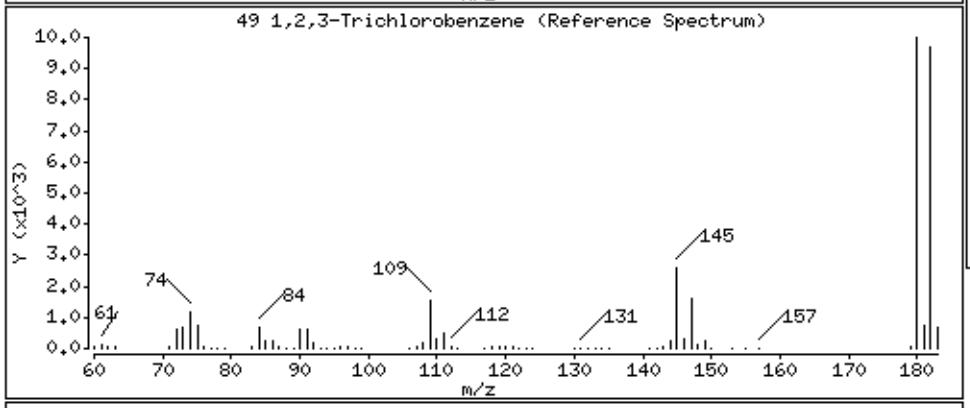
Concentration: 4.10012 ug

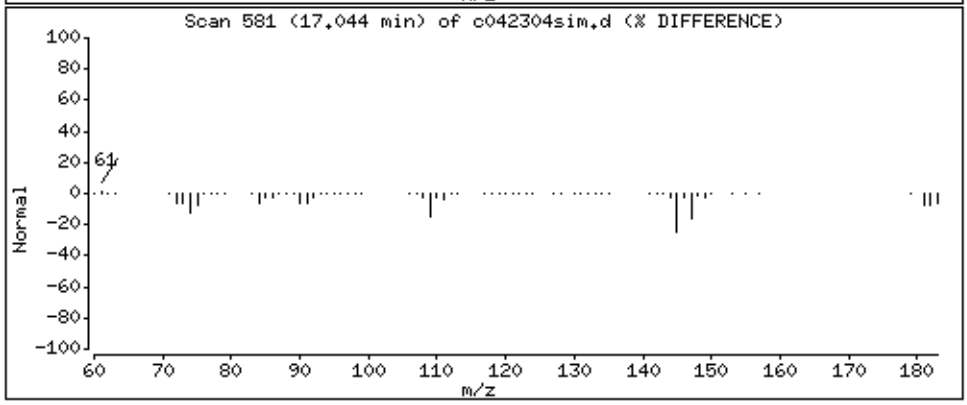












eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1504309R2-11AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c042305sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/23/15 10:21 AM**	
		Date of Extraction: 4/23/15	

Compound	%Recovery	Method Limits
1,1,1-Trichloroethane	88	70-130
Benzene	100	70-130
1,2-Dichloroethane	93	70-130
Trichloroethene	85	70-130
Toluene	92	70-130
Tetrachloroethene	84	70-130
Ethyl Benzene	93	70-130
m,p-Xylene	89	70-130
o-Xylene	74	70-130
Naphthalene	8.3	5-80
1,1-Dichloroethane	95	70-130
1,1-Dichloroethene	109	70-130
cis-1,2-Dichloroethene	91	70-130
trans-1,2-Dichloroethene	84	70-130
1,1,2-Trichloroethane	89	70-130
1,2,4-Trimethylbenzene	82	70-130
1,3,5-Trimethylbenzene	82	70-130
Vinyl Chloride	91	50-140

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	115	70-130

Report Date: 23-Apr-2015 10:57

Eurofins Air Toxics Inc.

RECOVERY REPORT

Client Name: Client SDG: 23Apr2015
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1504275/309/364/379 Client Smp ID: LCSD
Level: MED Operator: gm
Data Type: MS DATA SampleType: LCSD
SpikeList File: RadLCS-CM.spk Quant Type: ISTD
Sublist File: all-cm.sub
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

	SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
2	Vinyl Chloride	10.0000	9.10019	91.00	50-140
3	Ethanol	10.0000	5.30173	53.02	50-130
4	1,1-Dichloroethene	10.0000	10.9021	109.02	70-130
5	Acetone	10.0000	8.25865	82.59	70-130
7	MTBE	10.0000	9.35295	93.53	70-130
8	trans-1,2-Dichloro	10.0000	8.41284	84.13	70-130
9	Hexane	10.0000	11.9560	119.56	70-130
10	Halothane	10.0000	9.11521	91.15	70-130
11	1,1-Dichloroethane	10.0000	9.53236	95.32	70-130
12	Ethyl Acetate	10.0000	9.35525	93.55	70-130
13	2-Butanone	10.0000	9.11369	91.14	70-130
14	cis-1,2-Dichloroet	10.0000	9.06208	90.62	70-130
15	Chloroform-CCC	10.0000	9.22360	92.24	70-130
16	Cyclohexane	10.0000	10.2030	102.03	70-130
17	1,1,1-Trichloroeth	10.0000	8.77372	87.74	70-130
18	Carbon Tetrachlori	10.0000	8.11343	81.13	70-130
19	Benzene	10.0000	9.97927	99.79	70-130
20	1,2-Dichloroethane	10.0000	9.26261	92.63	70-130
21	Heptane	10.0000	10.4751	104.75	70-130
22	Trichloroethene	10.0000	8.52756	85.28	70-130
23	Methyl Methacrylat	10.0000	8.80609	88.06	70-130
24	4-Methyl-2-pentano	10.0000	9.88092	98.81	70-130
26	Toluene-CCC	10.0000	9.15603	91.56	70-130
28	1,1,2-Trichloroeth	10.0000	8.86053	88.61	70-130
29	Tetrachloroethene	10.0000	8.35074	83.51	70-130
30	Chlorobenzene	10.0000	8.00754	80.08	70-130
31	Ethylbenzene-CCC	10.0000	9.28306	92.83	70-130
32	1,1,1,2-Tetrachlor	10.0000	8.28973	82.90	70-130
33	m,p-Xylene	20.0000	17.8621	89.31	70-130
34	o-Xylene	10.0000	7.37432	73.74	70-130
35	Styrene	10.0000	5.32708	53.27	20-100
36	a-Pinene	10.0000	11.7322	117.32	70-130
37	1,1,2,2-Tetrachlor	10.0000	8.89187	88.92	70-130

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
38 Propylbenzene	10.0000	8.98959	89.90	70-130
39 1,2,3-Trichloropro	10.0000	8.72105	87.21	70-130
40 1,3,5-Trimethylben	10.0000	8.23459	82.35	70-130
41 1,2,4-Trimethylben	10.0000	8.22414	82.24	70-130
42 R-(+)-Limonene	10.0000	10.2050	102.05	70-130
43 1,3-Dichlorobenzen	10.0000	6.51056	65.11	50-110
44 1,4-Dichlorobenzen	10.0000	6.67738	66.77	50-110
45 1,2-Dichlorobenzen	10.0000	5.97327	59.73	50-110
46 1,4-Dithiane	10.0000	8.10989	81.10	50-110
47 1,2,4-Trichloroben	10.0000	5.42602	54.26	20-110
48 Naphthalene	10.0000	0.834298	8.34	5-80
49 1,2,3-Trichloroben	10.0000	4.52485	45.25	20-110

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 25 Toluene-d8	10.0000	11.5229	115.23	70-130

Eurofins Air Toxics Inc.

Passive SE GC/MS

Data file : /chem/msdc.i/23Apr2015.b/c042305sim.d
Lab Smp Id: 1504275/309/364/379 Client Smp ID: LCSD
Inj Date : 23-APR-2015 10:21
Operator : gm Inst ID: msdc.i
Smp Info : ;1504275/309/364/379;LCSD
Misc Info : ,NOTICS
Comment : GC/MS
Method : /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Meth Date : 23-Apr-2015 09:36 gmash Quant Type: ISTD
Cal Date : 15-APR-2015 11:23 Cal File: c041509sim.d
Als bottle: 3 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-cm.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * Vt * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
2 Vinyl Chloride	62	3.444	3.444	(0.313)	54515	4.55010	9.10019
3 Ethanol	45	5.009	4.985	(0.456)	14014	2.65087	5.30173
4 1,1-Dichloroethene-CCC	96	5.454	5.454	(0.496)	40129	5.45106	10.9021
5 Acetone	58	5.588	5.588	(0.508)	33494	4.12933	8.25865
7 MTBE	73	6.528	6.528	(0.594)	155550	4.67648	9.35295
8 trans-1,2-Dichloroethene	96	6.555	6.583	(0.596)	48481	4.20642	8.41284
9 Hexane	57	6.747	6.775	(0.614)	205245	5.97799	11.9560
10 Halothane	117	6.960	6.985	(0.633)	34365	4.55760	9.11521
11 1,1-Dichloroethane-SPCC	63	7.057	7.057	(0.642)	120112	4.76618	9.53236
12 Ethyl Acetate	70	7.662	7.662	(0.697)	16309	4.67762	9.35525
13 2-Butanone	72	7.662	7.662	(0.697)	34902	4.55685	9.11369
14 cis-1,2-Dichloroethene	96	7.662	7.684	(0.697)	56572	4.53104	9.06208
15 Chloroform-CCC	83	7.987	7.987	(0.726)	97950	4.61180	9.22360
16 Cyclohexane	84	8.172	8.203	(0.743)	109394	5.10148	10.2030
17 1,1,1-Trichloroethane	97	8.203	8.203	(0.746)	86437	4.38686	8.77372
18 Carbon Tetrachloride	117	8.357	8.357	(0.760)	80326	4.05671	8.11343

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug)
	19	Benzene	78	8.603	8.603	(0.783)	240643	4.98963	9.97927
	20	1,2-Dichloroethane	62	8.696	8.696	(0.791)	102636	4.63130	9.26261
	21	Heptane	71	8.726	8.726	(0.794)	94565	5.23755	10.4751
	22	Trichloroethene	130	9.331	9.331	(0.849)	67884	4.26378	8.52756
	23	Methyl Methacrylate	69	9.644	9.644	(0.877)	69661	4.40304	8.80609
	24	4-Methyl-2-pentanone	85	10.512	10.511	(0.956)	30772	4.94046	9.88092
$	25	Toluene-d8	98	10.656	10.656	(0.969)	263356	5.76144	11.5229
	26	Toluene-CCC	92	10.728	10.728	(0.976)	180757	4.57802	9.15603
*	27	2-Fluorotoluene	109	10.993	10.993	(1.000)	277701	5.00000	
	28	1,1,2-Trichloroethane	97	11.234	11.234	(1.022)	70415	4.43027	8.86053
	29	Tetrachloroethene	164	11.331	11.331	(1.031)	75843	4.17537	8.35074
	30	Chlorobenzene	112	12.325	12.325	(1.121)	187245	4.00377	8.00754
	31	Ethylbenzene-CCC	106	12.377	12.377	(1.126)	117843	4.64153	9.28306
	32	1,1,1,2-Tetrachloroethane	131	12.403	12.402	(1.128)	68747	4.14487	8.28973
	33	m,p-Xylene	106	12.506	12.506	(1.138)	317296	8.93105	17.8621
	34	o-Xylene	106	12.956	12.956	(1.178)	104106	3.68716	7.37432
	35	Styrene	104	12.956	12.956	(1.178)	126338	2.66354	5.32708
	36	a-Pinene	93	13.230	13.230	(1.203)	194307	5.86609	11.7322
	37	1,1,2,2-Tetrachloroethane-SPC	83	13.614	13.614	(1.238)	154605	4.44594	8.89187
	38	Propylbenzene	91	13.669	13.669	(1.243)	608489	4.49480	8.98959
	39	1,2,3-Trichloropropane	110	13.697	13.697	(1.246)	59256	4.36053	8.72105
	40	1,3,5-Trimethylbenzene	105	13.834	13.834	(1.258)	262431	4.11729	8.23459
	41	1,2,4-Trimethylbenzene	105	14.174	14.174	(1.289)	330533	4.11207	8.22414
	42	R-(+)-Limonene	68	14.367	14.367	(1.307)	171577	5.10251	10.2050
	43	1,3-Dichlorobenzene	146	14.488	14.488	(1.318)	142377	3.25528	6.51056
	44	1,4-Dichlorobenzene	146	14.560	14.560	(1.324)	189434	3.33869	6.67738
	45	1,2-Dichlorobenzene	146	14.897	14.897	(1.355)	120128	2.98663	5.97327
	46	1,4-Dithiane	120	15.380	15.380	(1.399)	130982	4.05494	8.10989
	47	1,2,4-Trichlorobenzene	180	16.465	16.465	(1.498)	124049	2.71301	5.42602
	48	Naphthalene	128	16.778	16.778	(1.526)	42088	0.41715	0.834298
	49	1,2,3-Trichlorobenzene	180	17.044	17.044	(1.550)	102550	2.26243	4.52485

Report Date: 23-Apr-2015 10:57

Eurofins Air Toxics Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdc.i
Lab File ID: c042305sim.d
Lab Smp Id: 1504275/309/364/379
Analysis Type: SV
Quant Type: ISTD
Operator: gm
Method File: /chem/msdc.i/23Apr2015.b/C15r0415.m/C15r0415b.m
Misc Info: ,NOTICS

Calibration Date: 23-APR-2015
Calibration Time: 09:09
Client Smp ID: LCSD
Level: MED
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	324554	162277	649108	277701	-14.44

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
27 2-Fluorotoluene	10.99	10.49	11.49	10.99	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

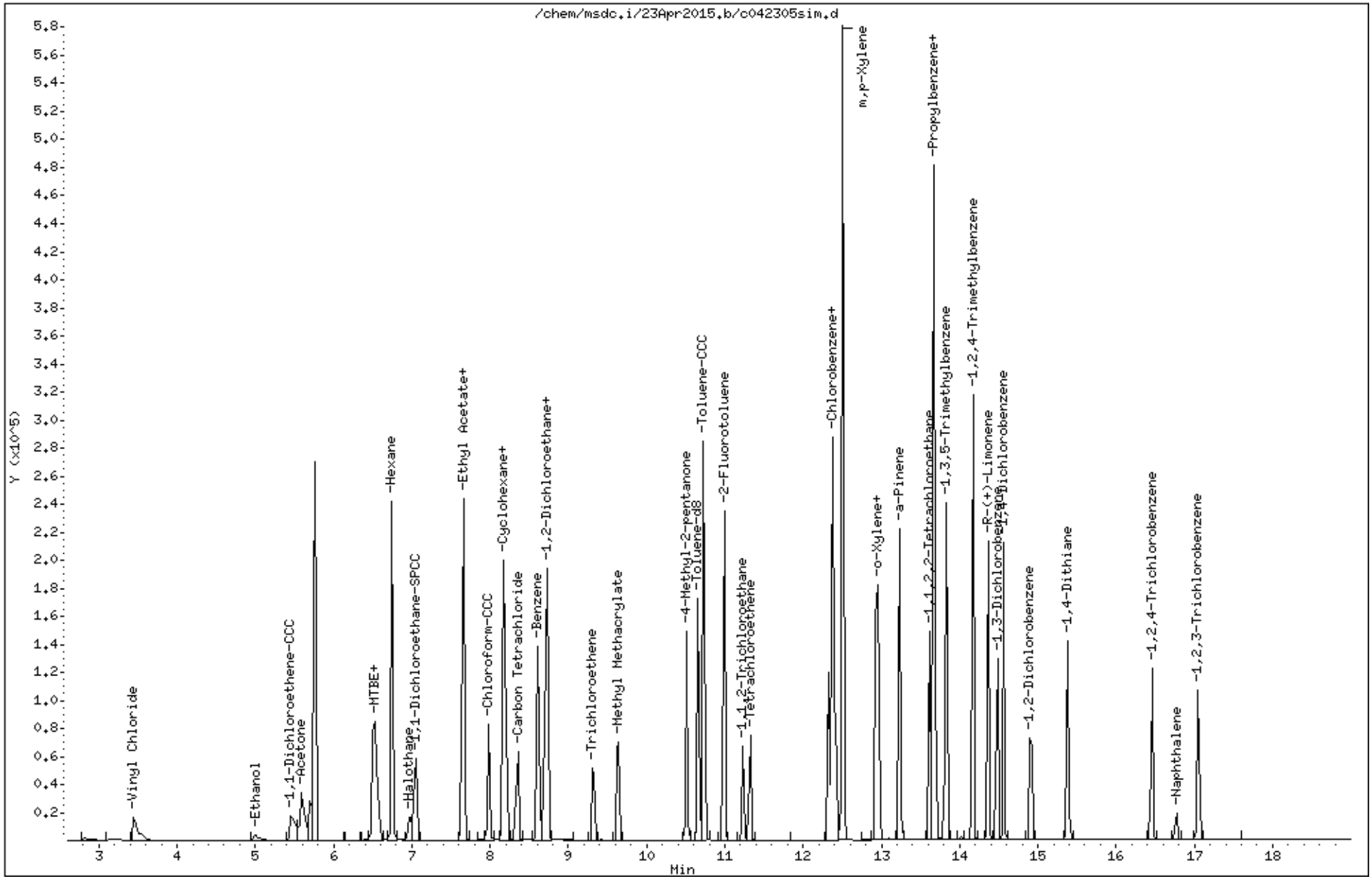
Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

Operator: gm

Column phase: DB-5.625

Column diameter: 0.25



Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

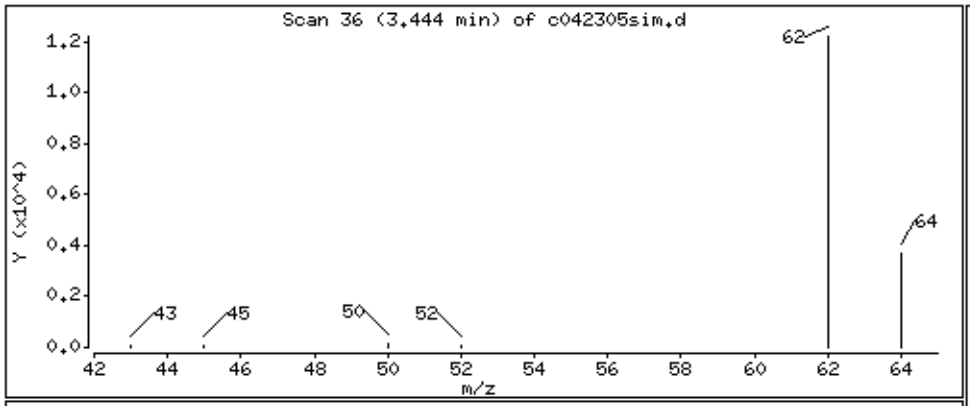
Operator: gm

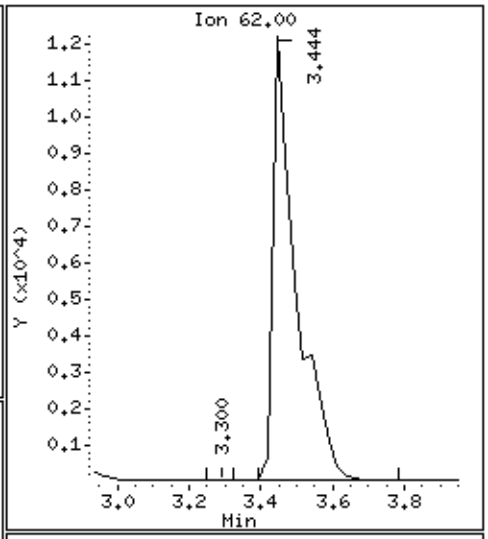
Column phase: DB-5.625

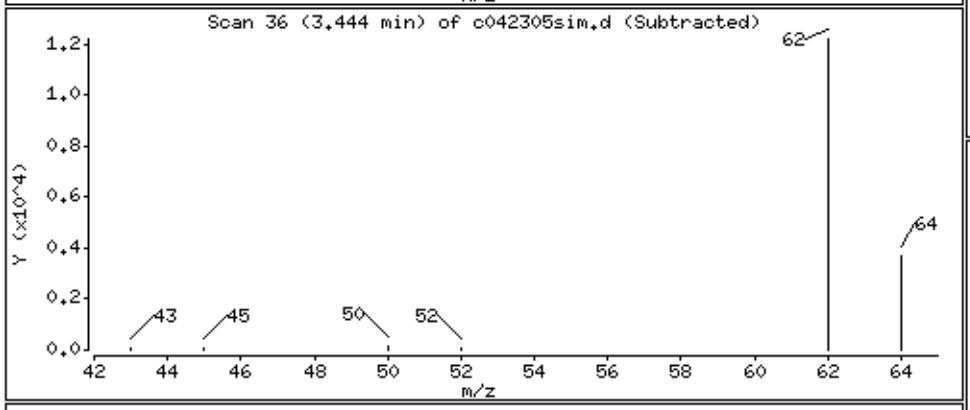
Column diameter: 0.25

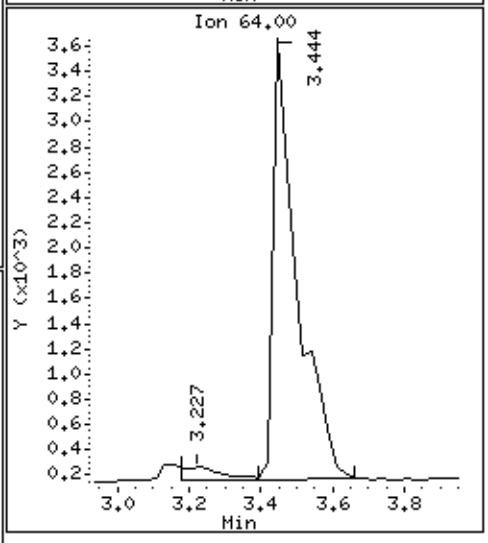
2 Vinyl Chloride

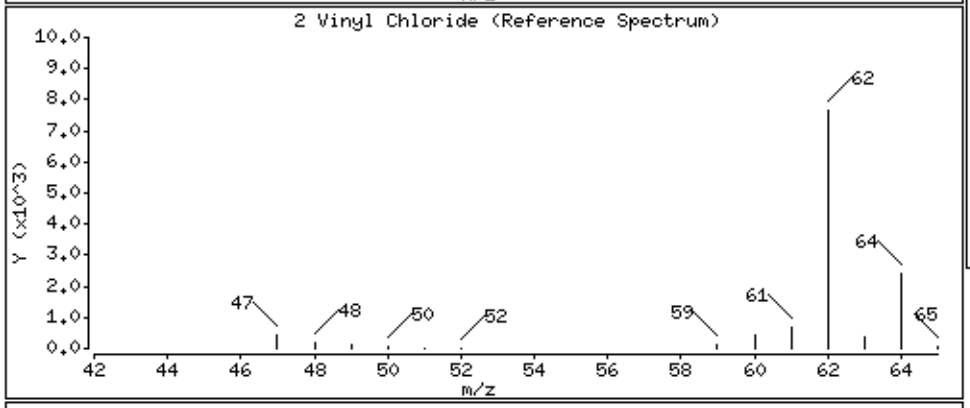
Concentration: 9.10019 ug

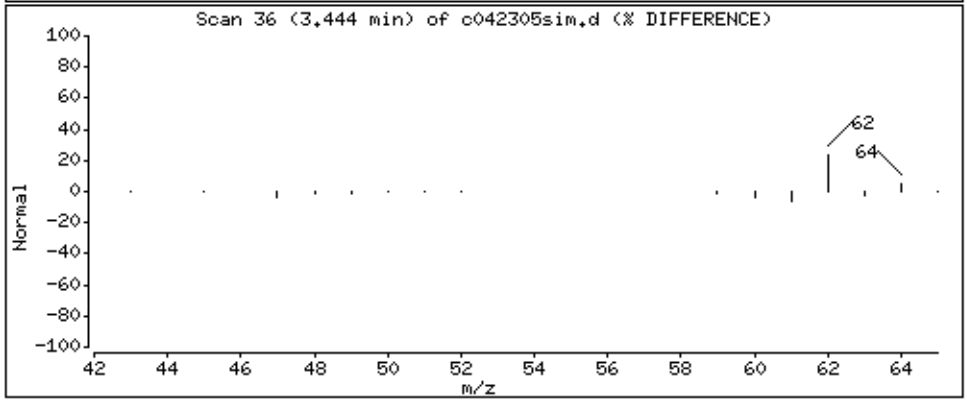












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

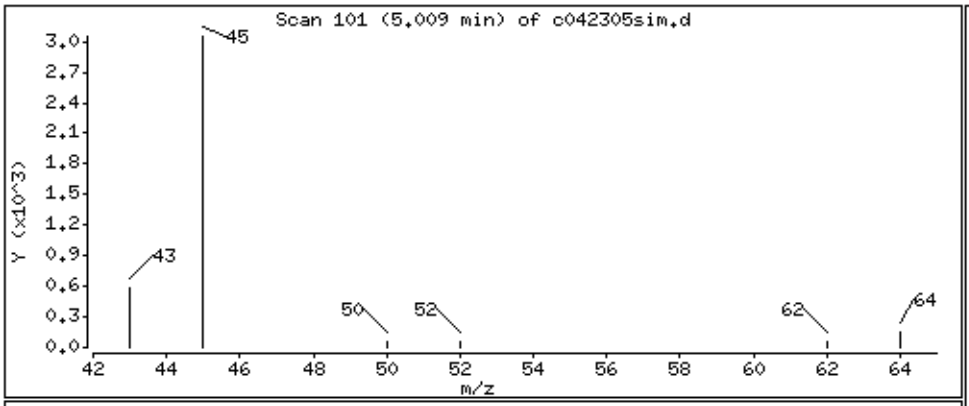
Operator: gm

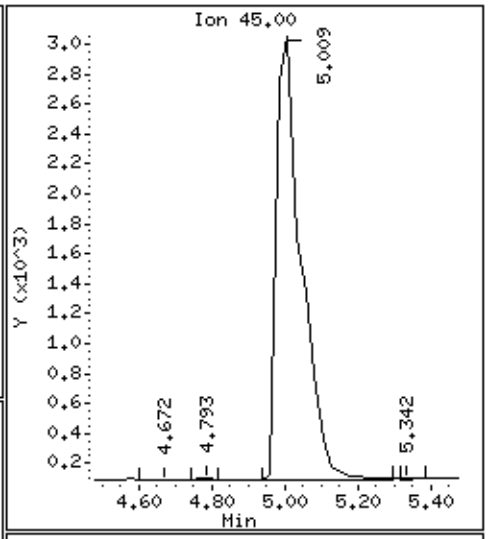
Column phase: DB-5.625

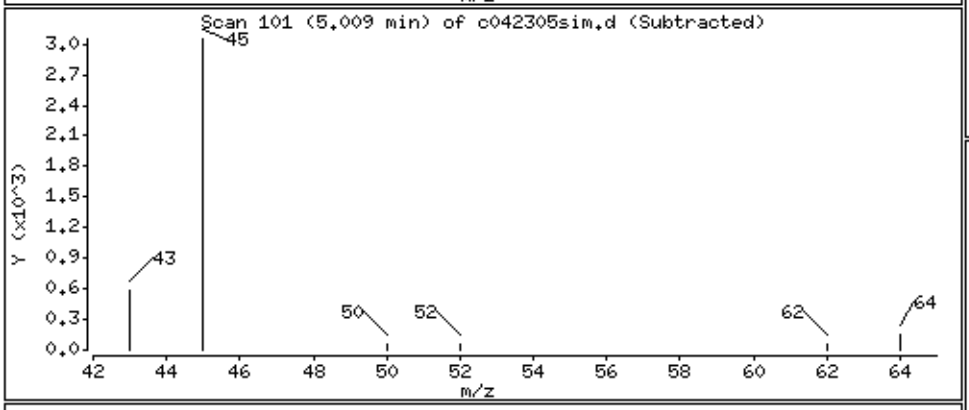
Column diameter: 0.25

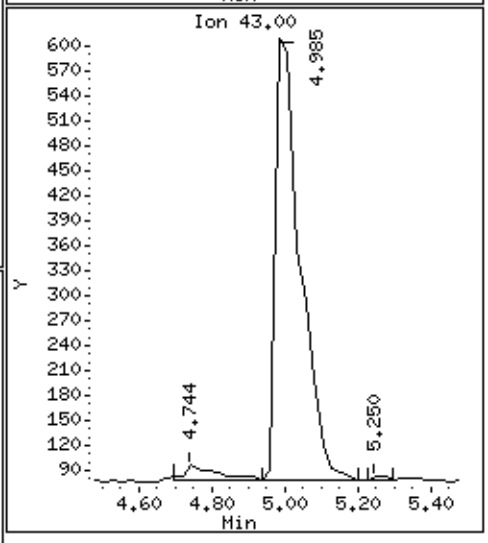
3 Ethanol

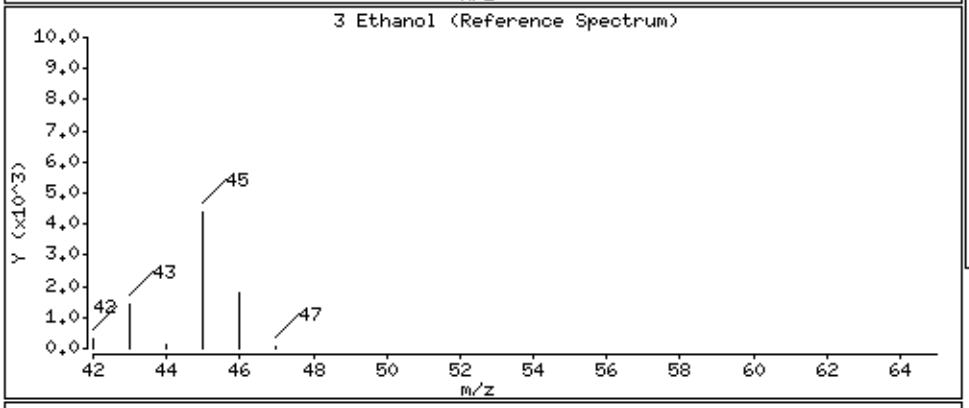
Concentration: 5.30173 ug

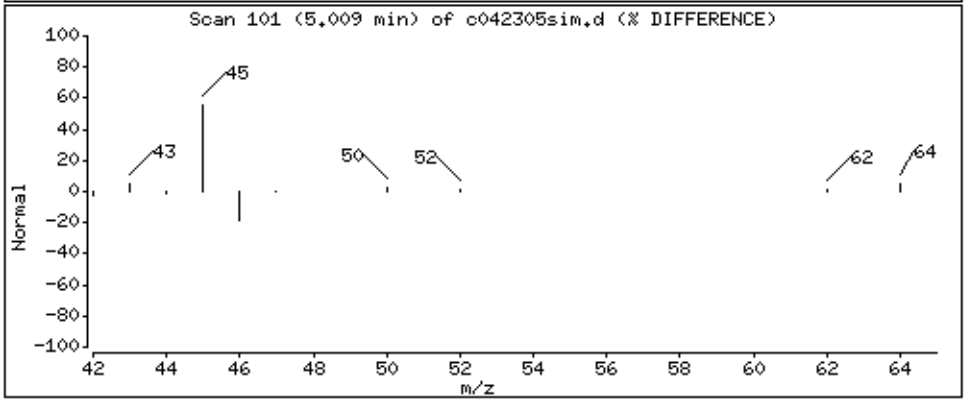












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

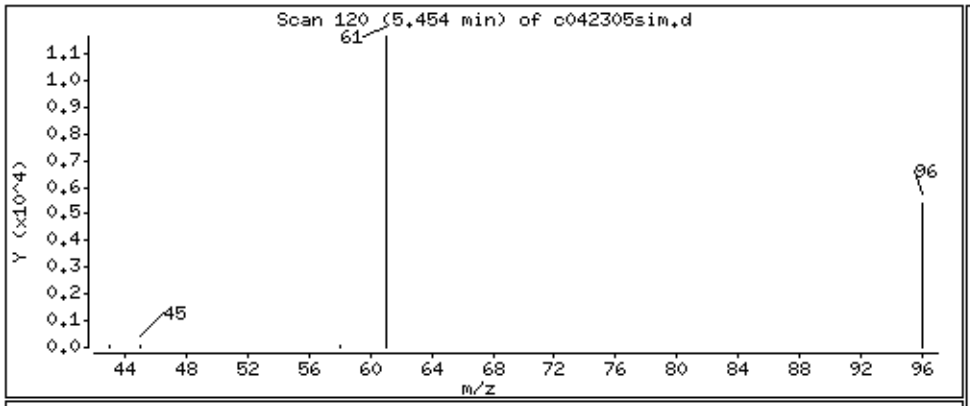
Operator: gm

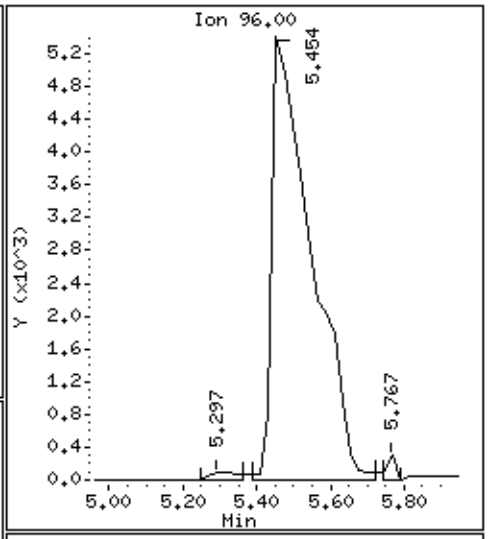
Column phase: DB-5.625

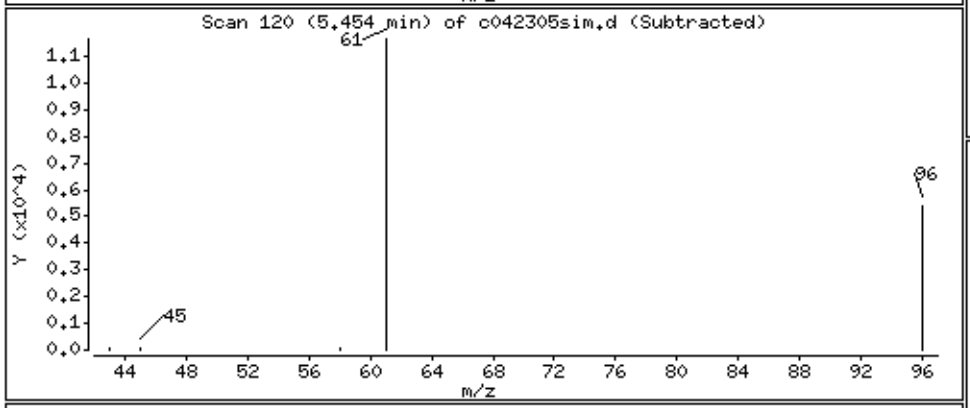
Column diameter: 0.25

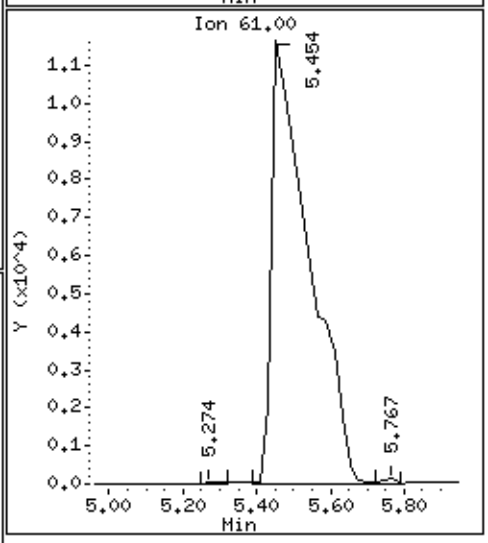
4 1,1-Dichloroethene-CCC

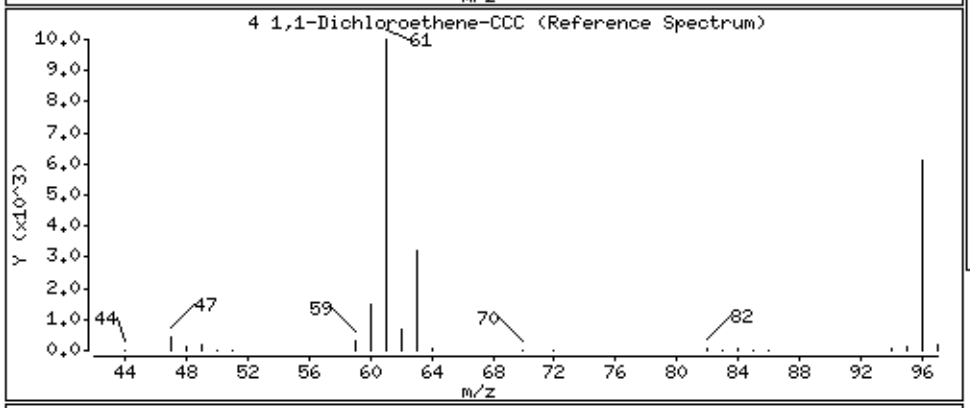
Concentration: 10.9021 ug

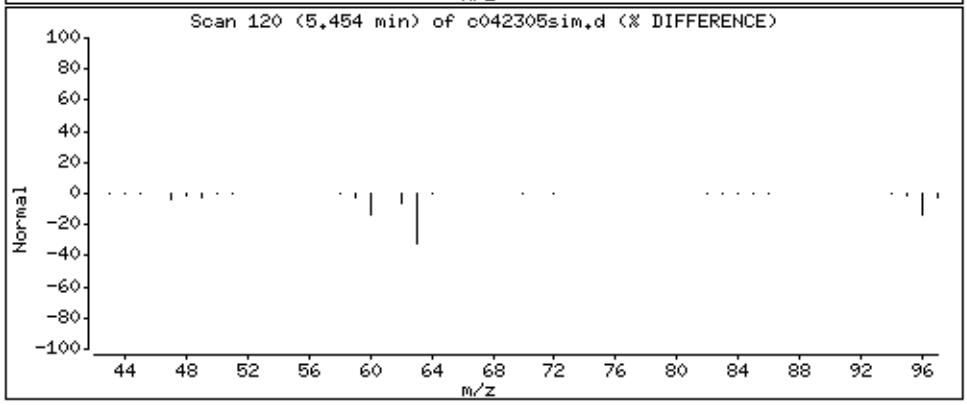












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

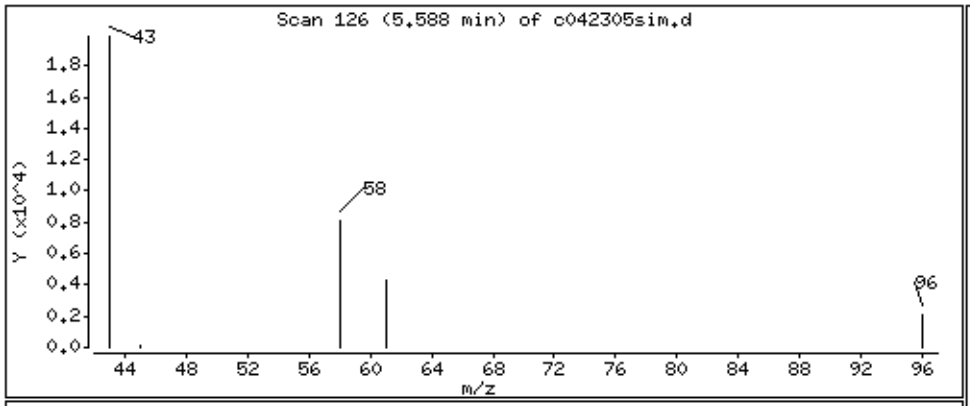
Operator: gm

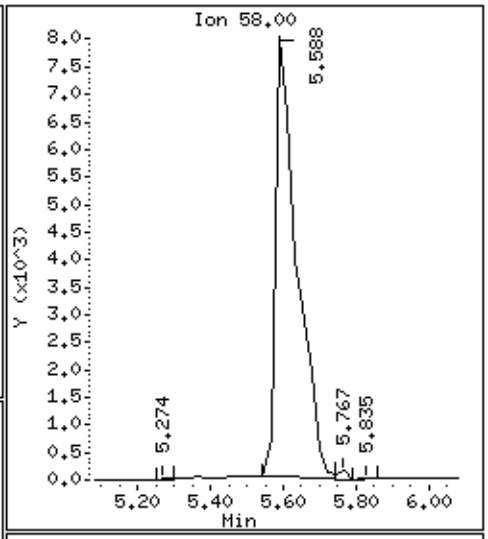
Column phase: DB-5.625

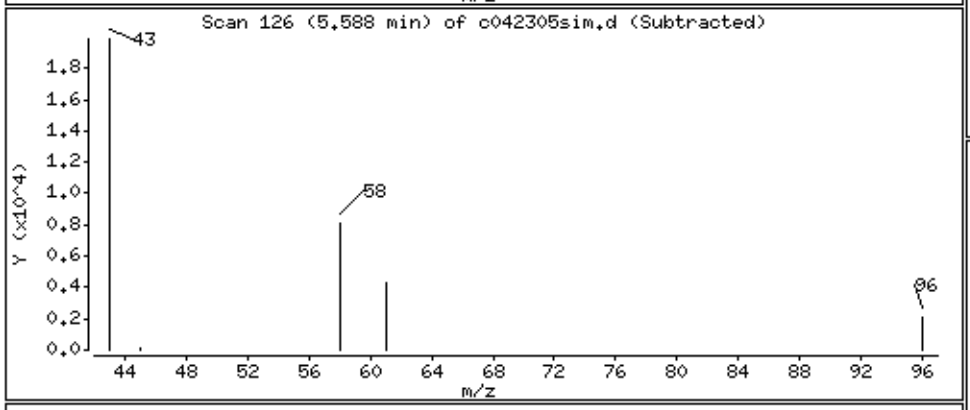
Column diameter: 0.25

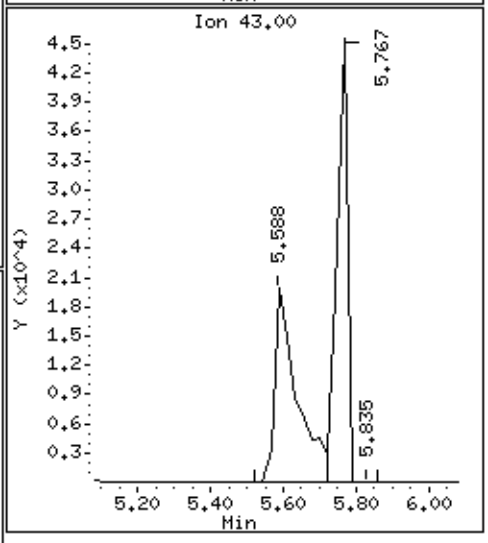
5 Acetone

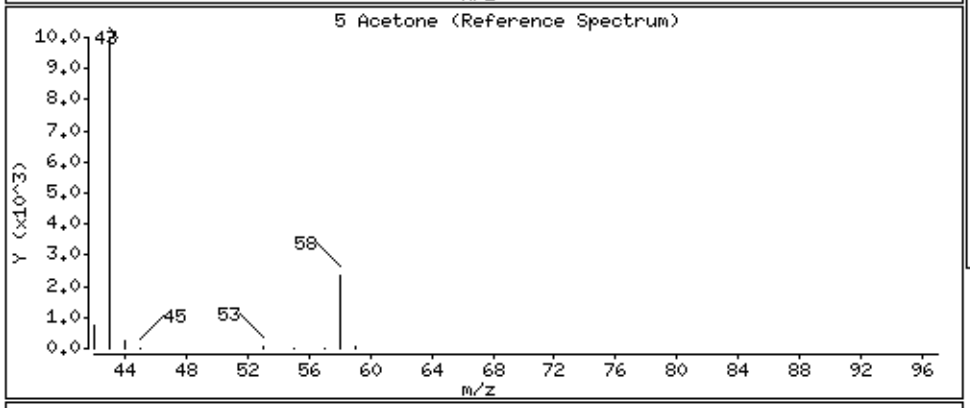
Concentration: 8.25865 ug

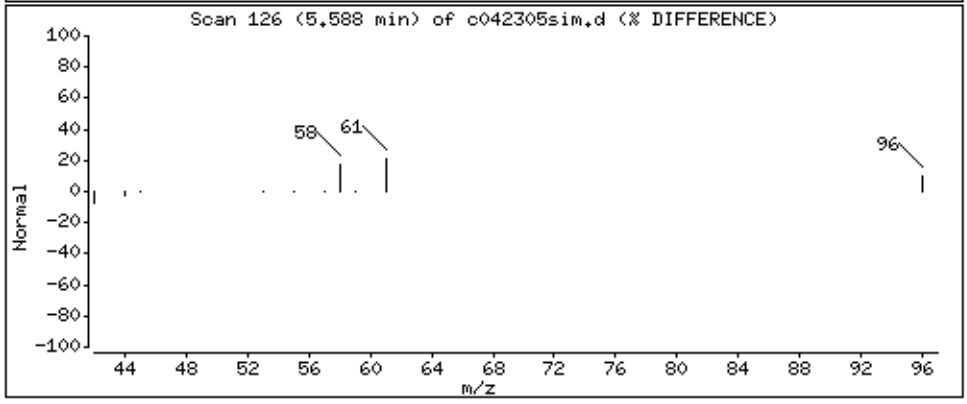












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

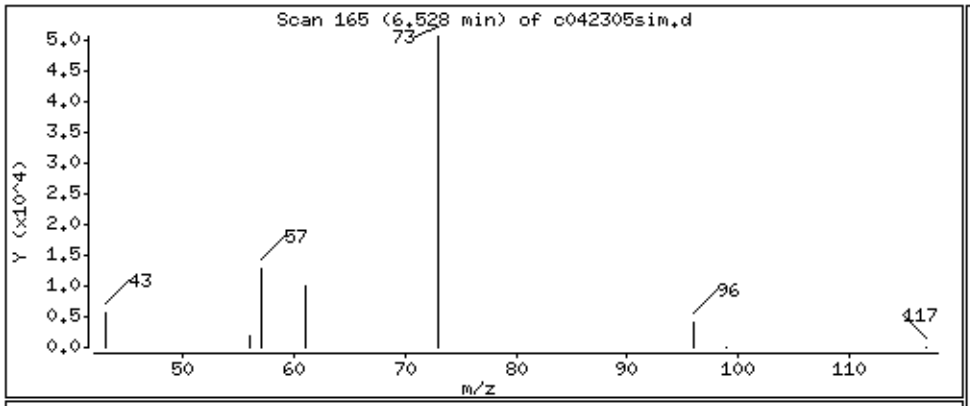
Operator: gm

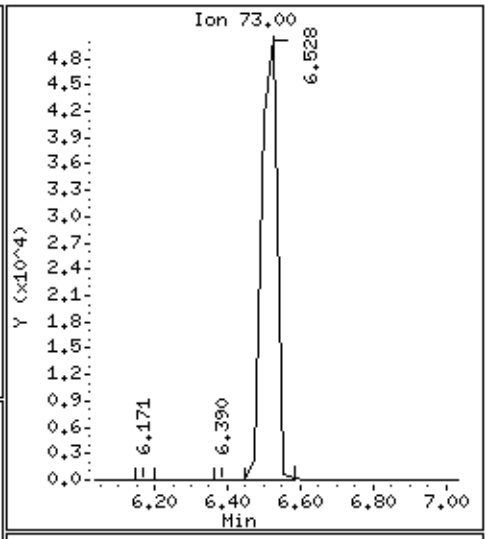
Column phase: DB-5.625

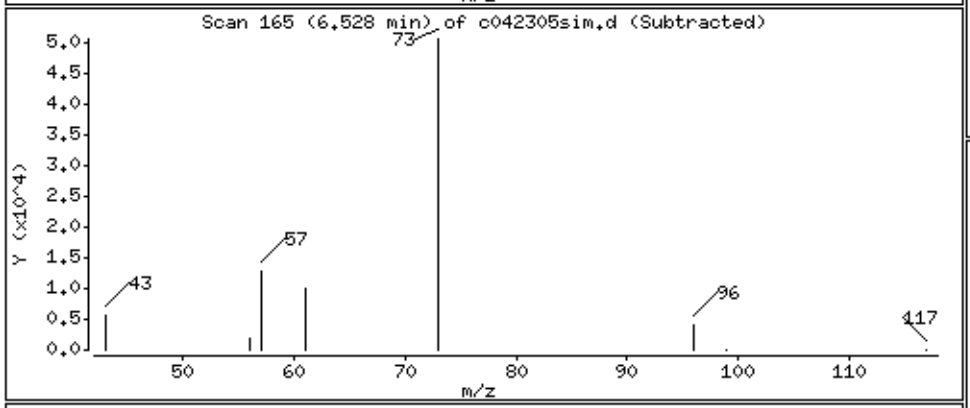
Column diameter: 0.25

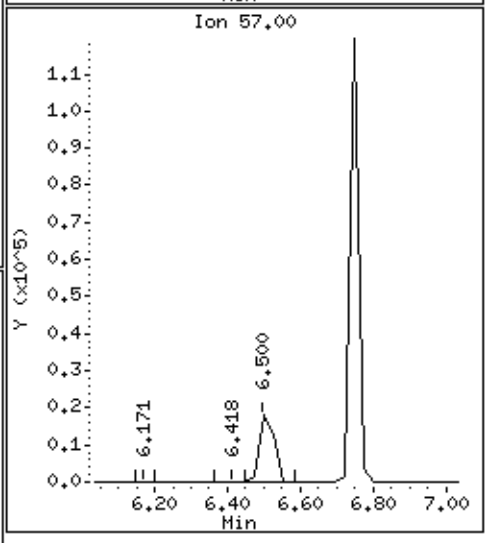
7 MTBE

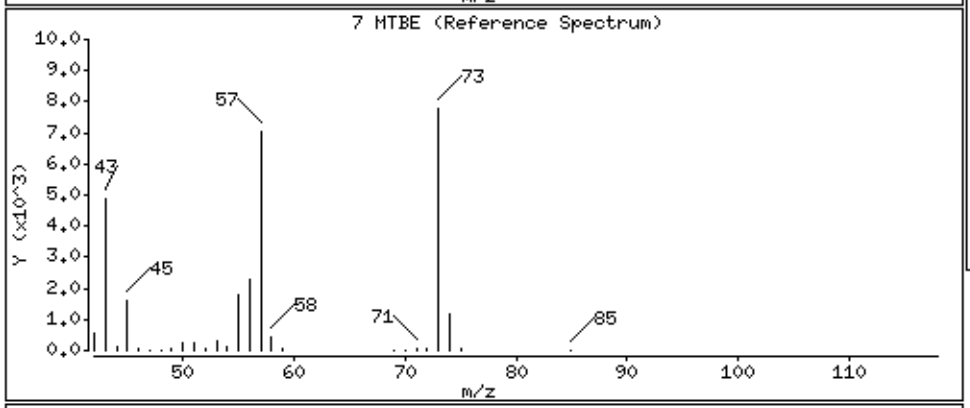
Concentration: 9.35295 ug

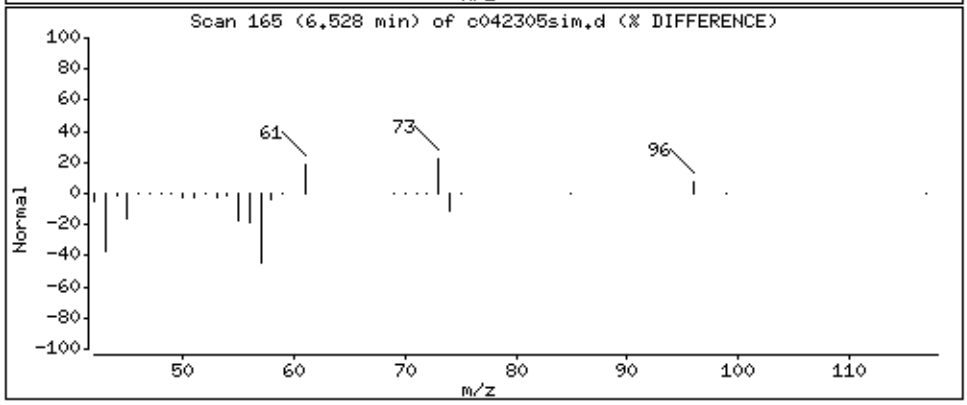












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

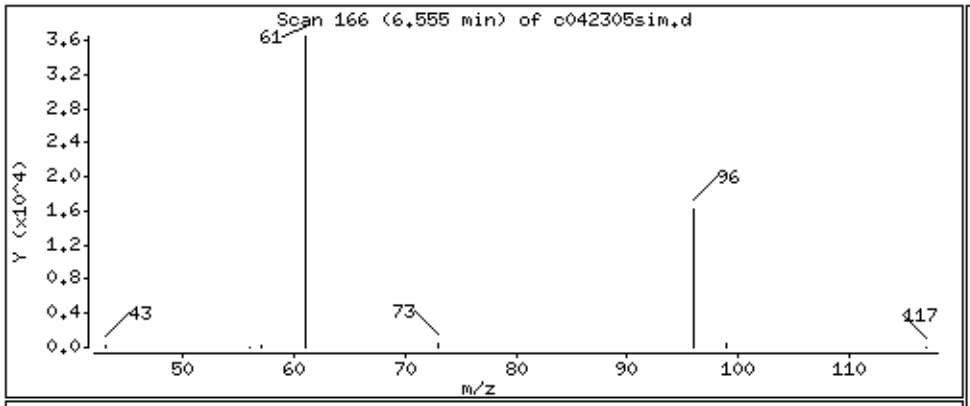
Operator: gm

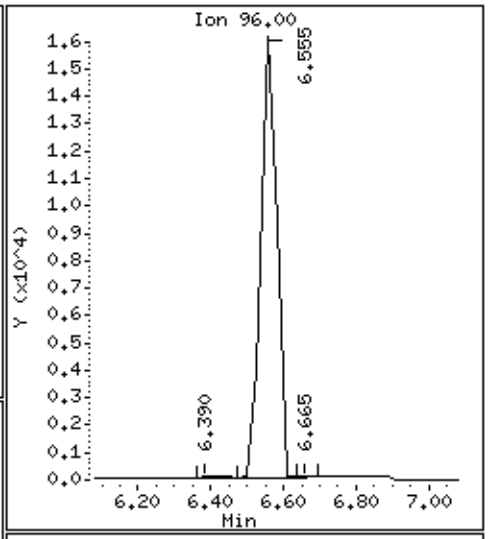
Column phase: DB-5.625

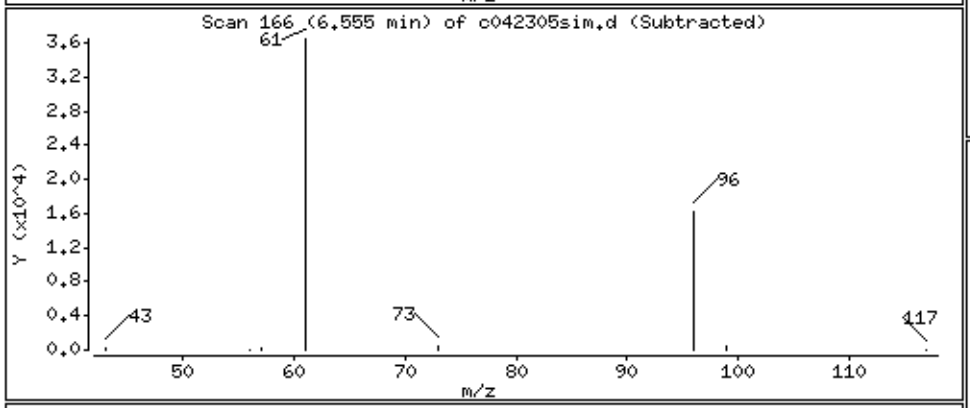
Column diameter: 0.25

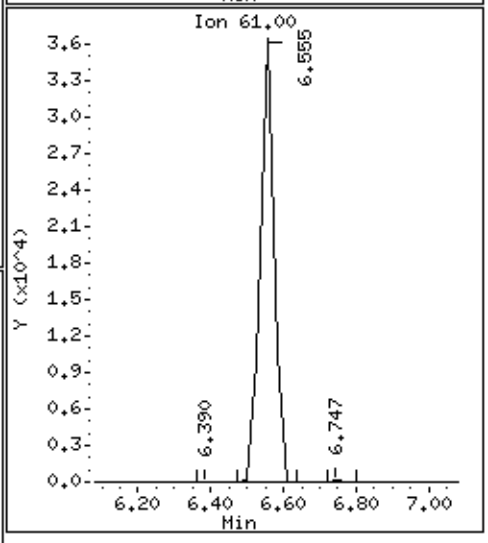
8 trans-1,2-Dichloroethene

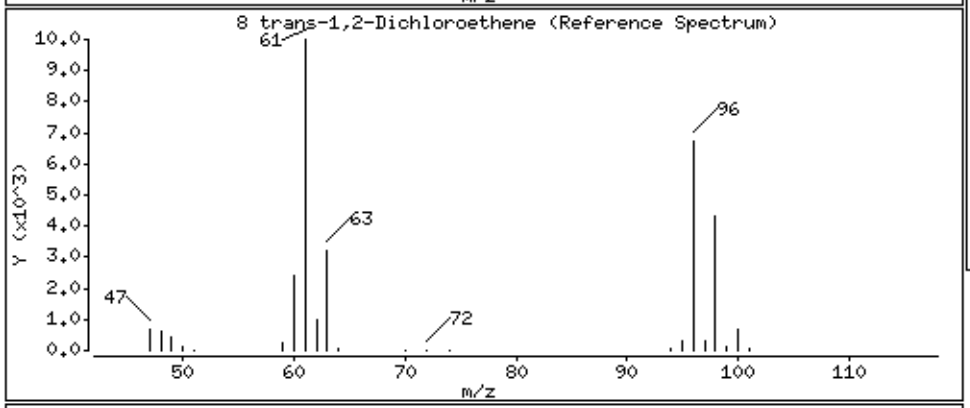
Concentration: 8.41284 ug

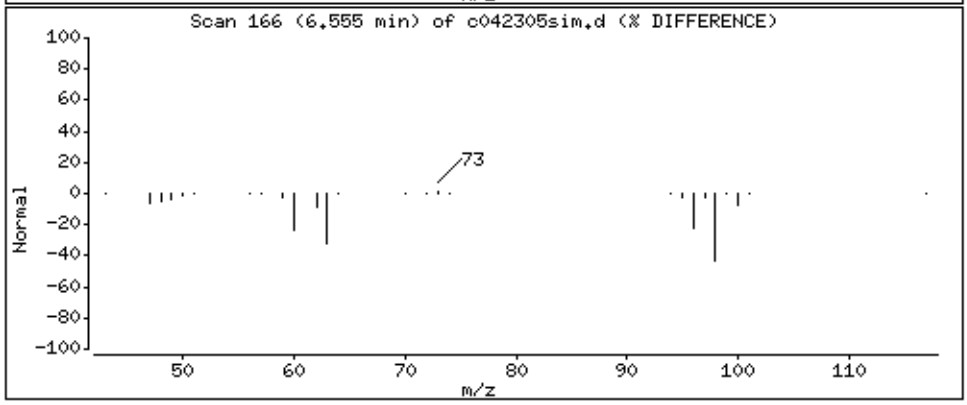












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

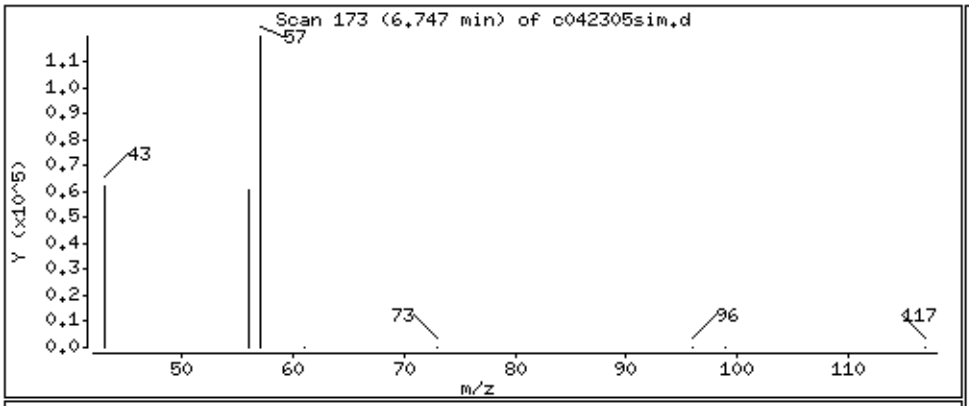
Operator: gm

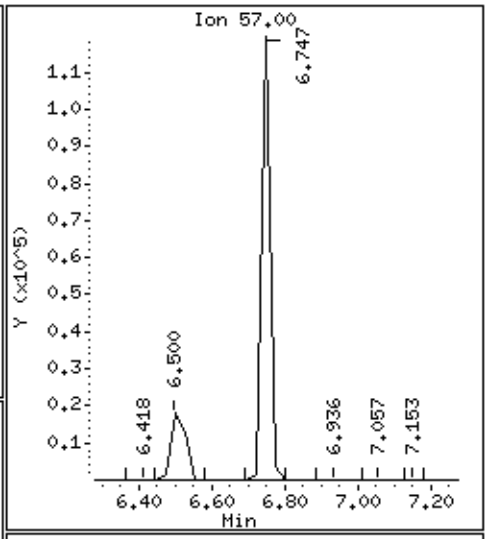
Column phase: DB-5.625

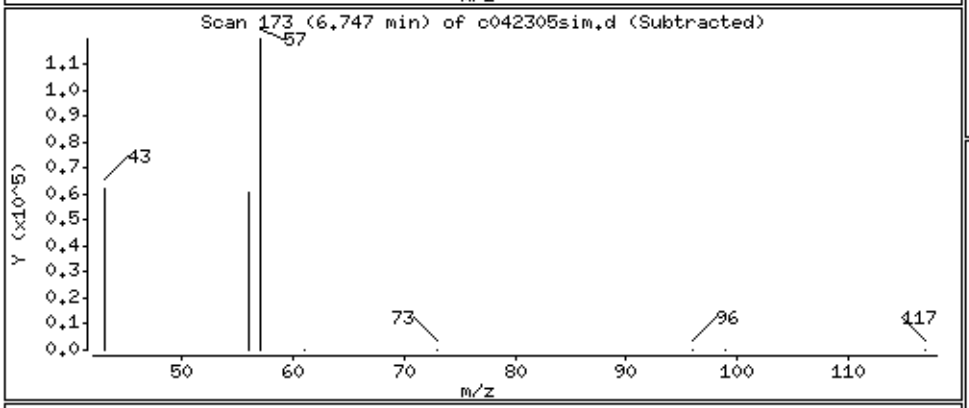
Column diameter: 0.25

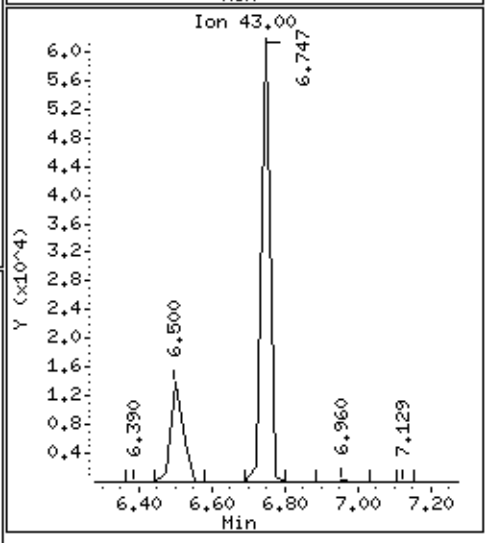
9 Hexane

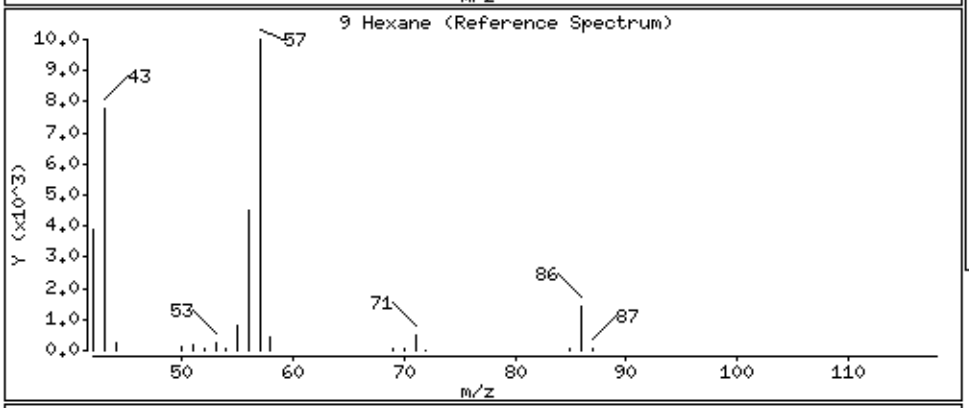
Concentration: 11.9560 ug

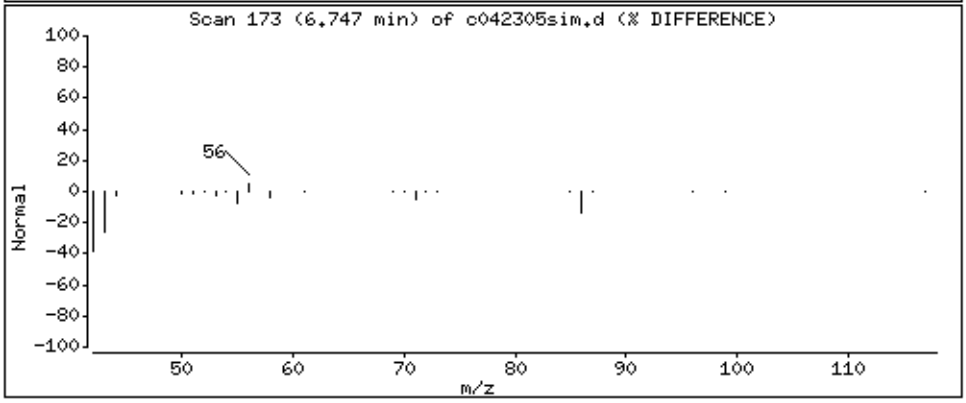












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

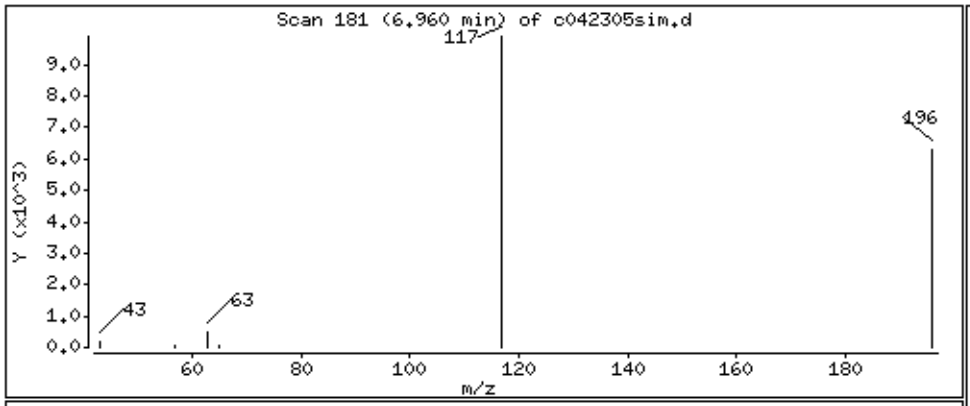
Operator: gm

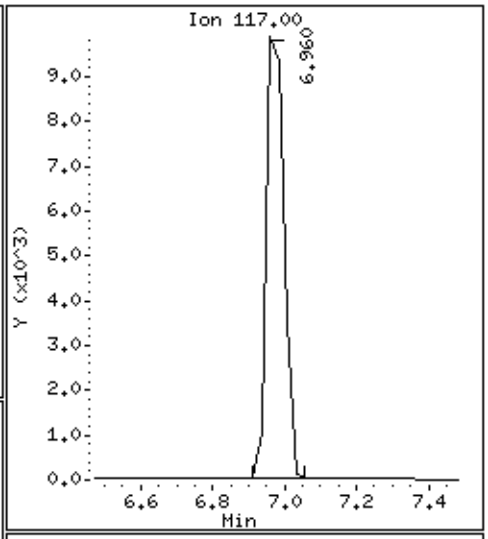
Column phase: DB-5.625

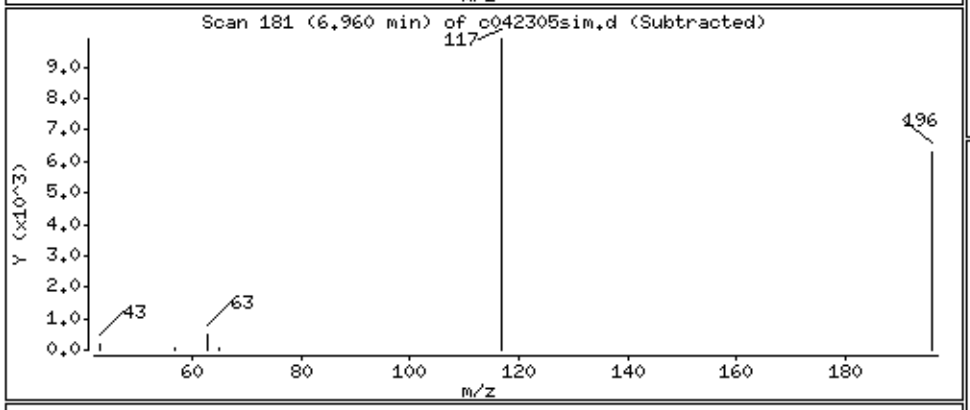
Column diameter: 0.25

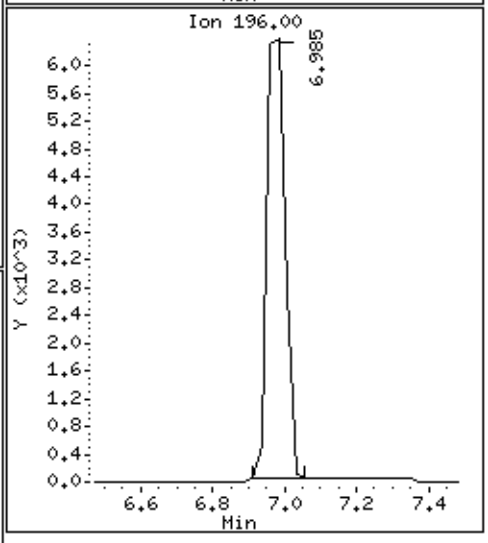
10 Halothane

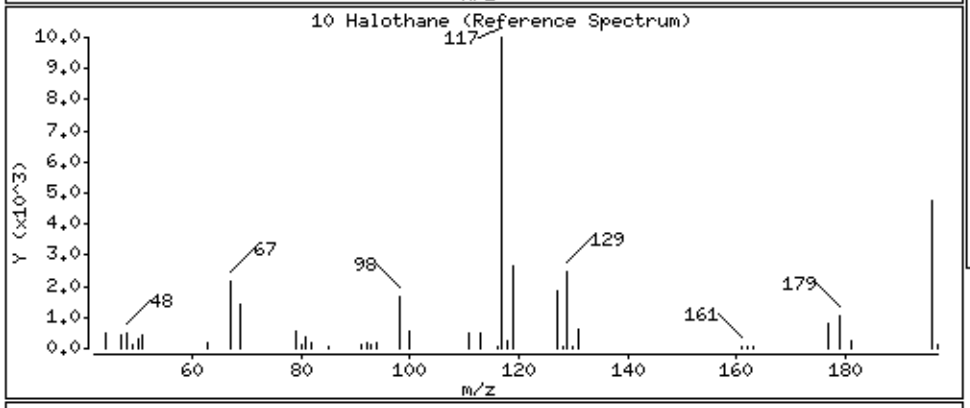
Concentration: 9.11521 ug

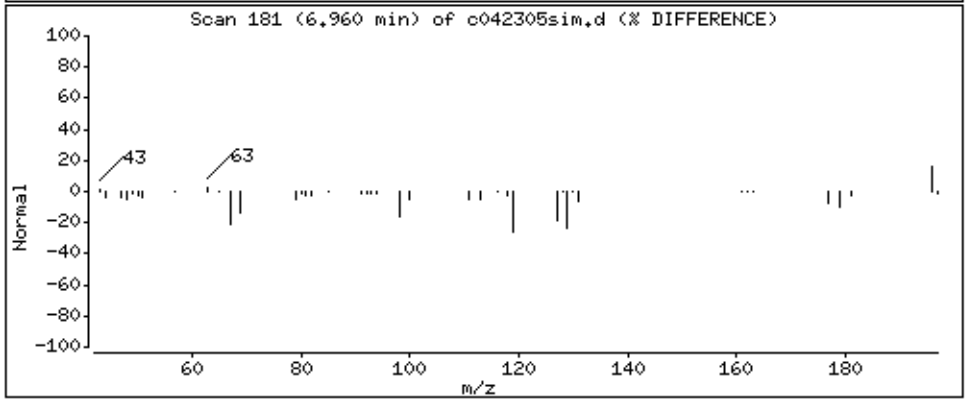












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

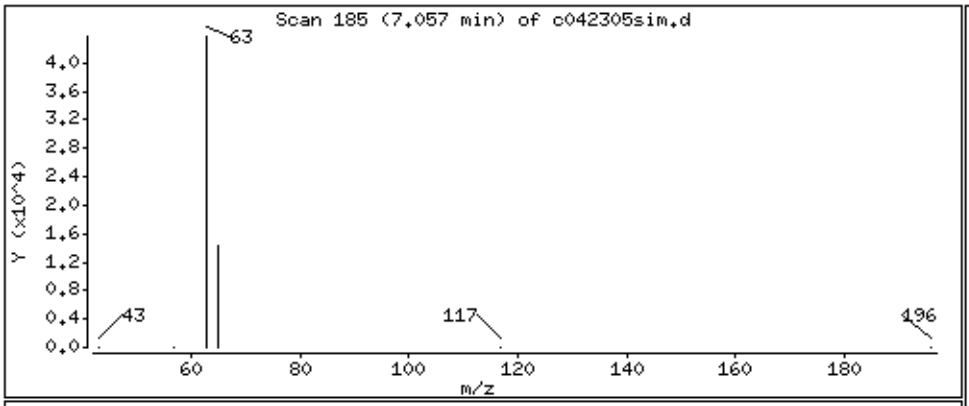
Operator: gm

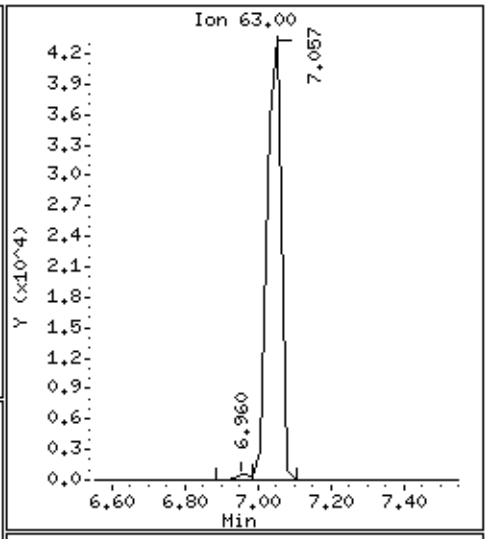
Column phase: DB-5.625

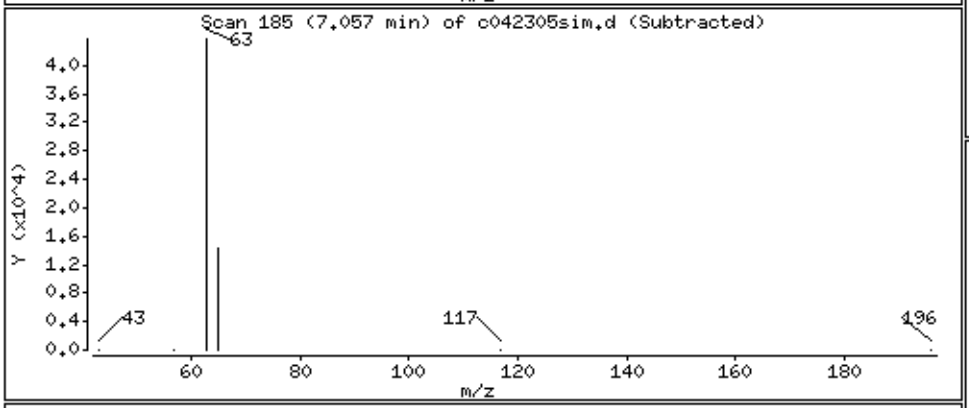
Column diameter: 0.25

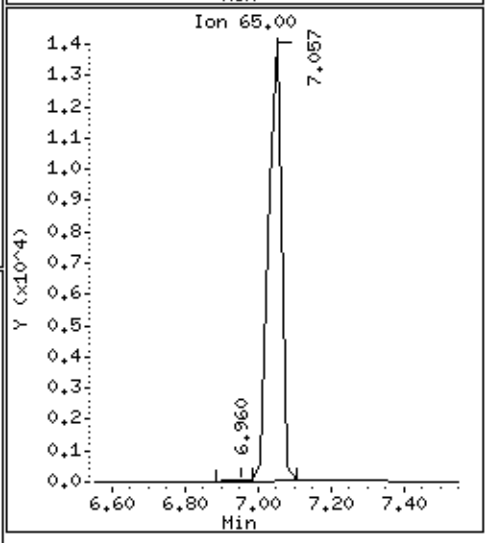
11 1,1-Dichloroethane-SPCC

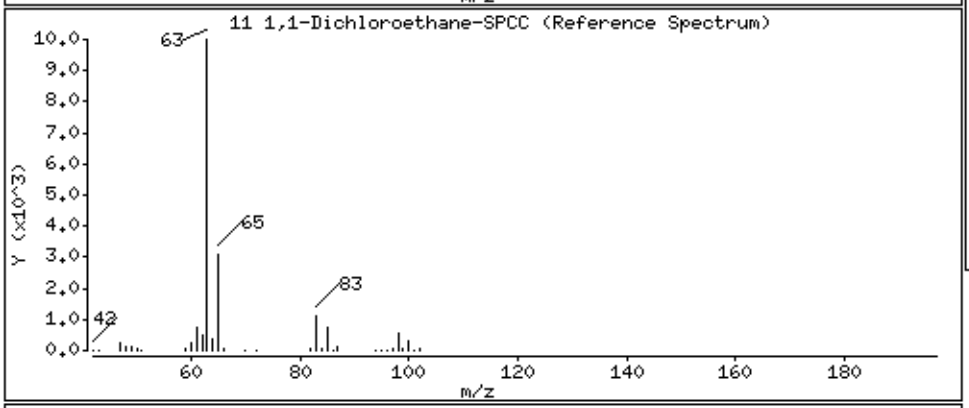
Concentration: 9.53236 ug

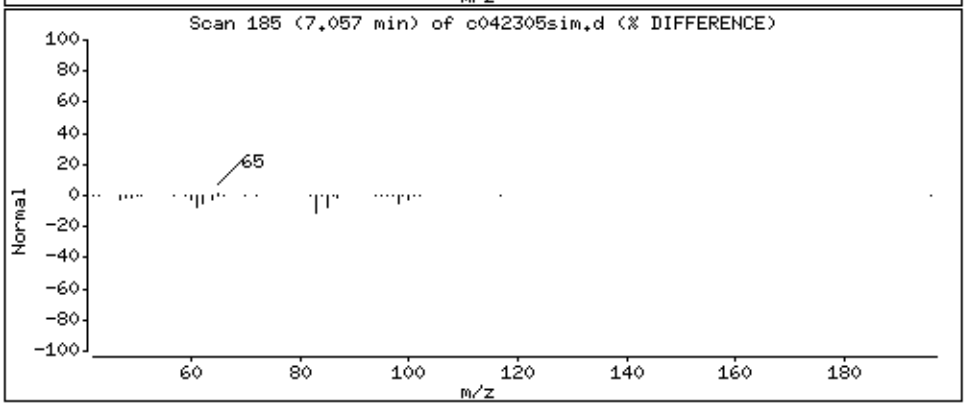












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

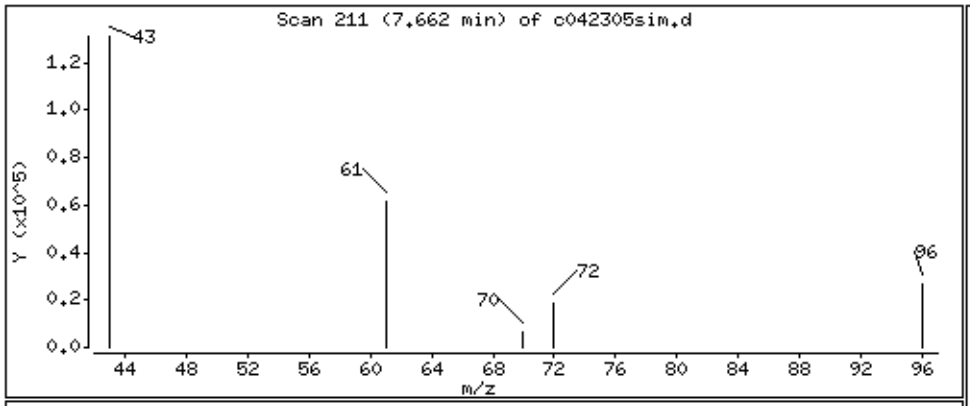
Operator: gm

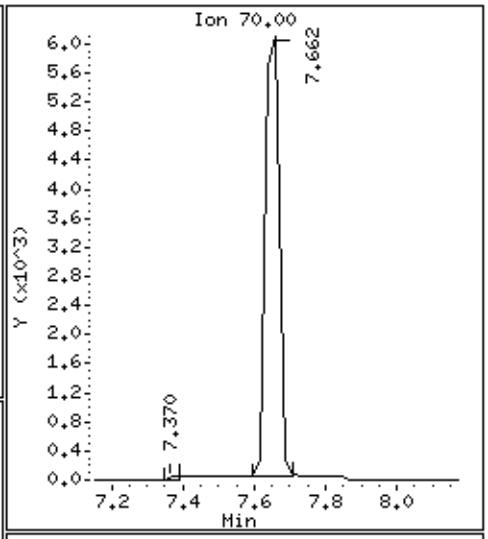
Column phase: DB-5.625

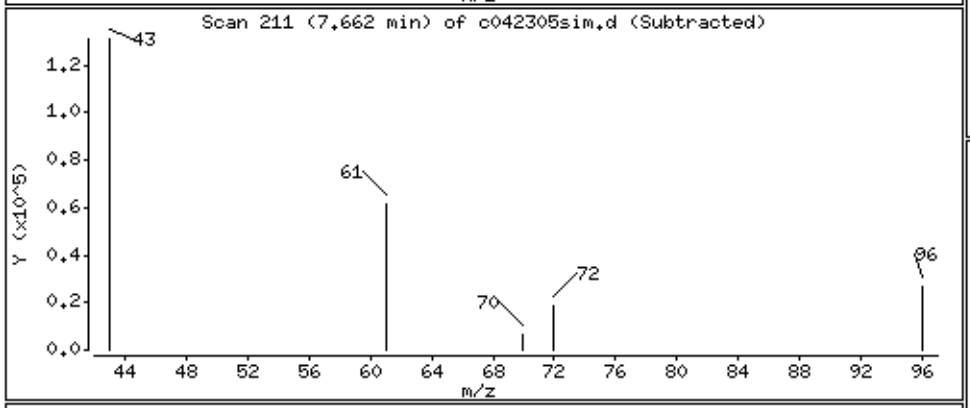
Column diameter: 0.25

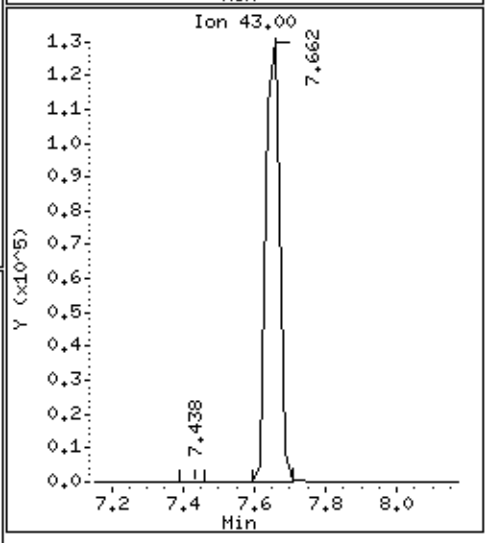
12 Ethyl Acetate

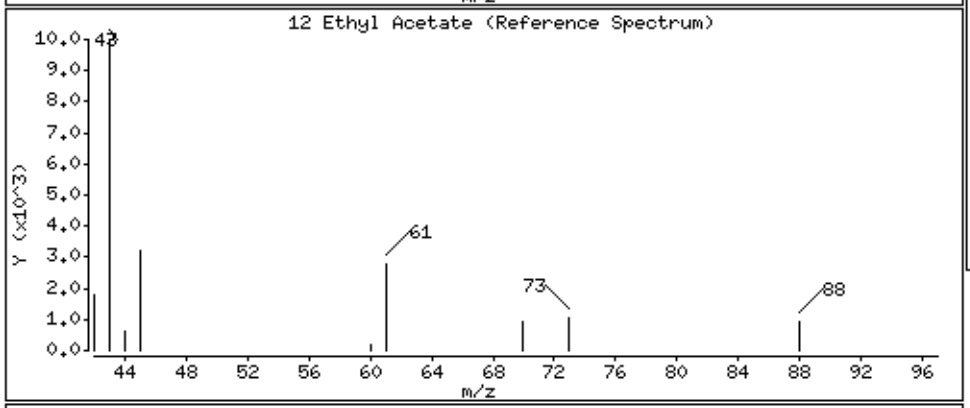
Concentration: 9.35525 ug

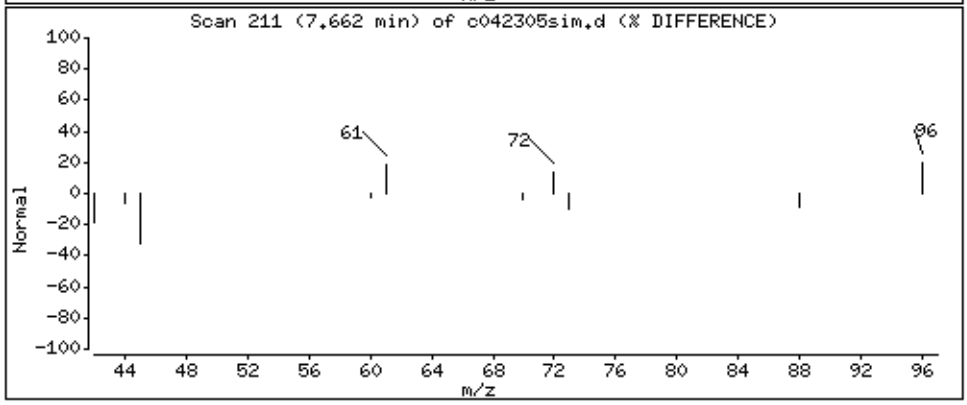












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

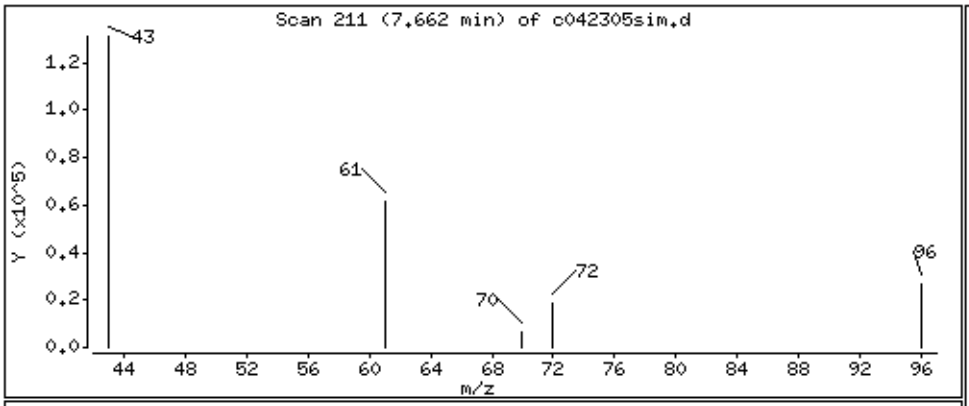
Operator: gm

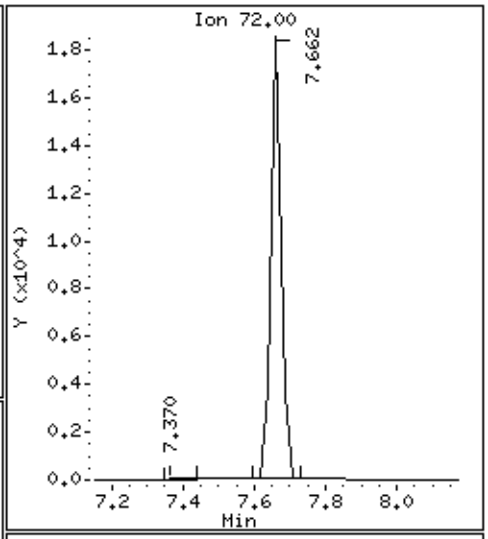
Column phase: DB-5.625

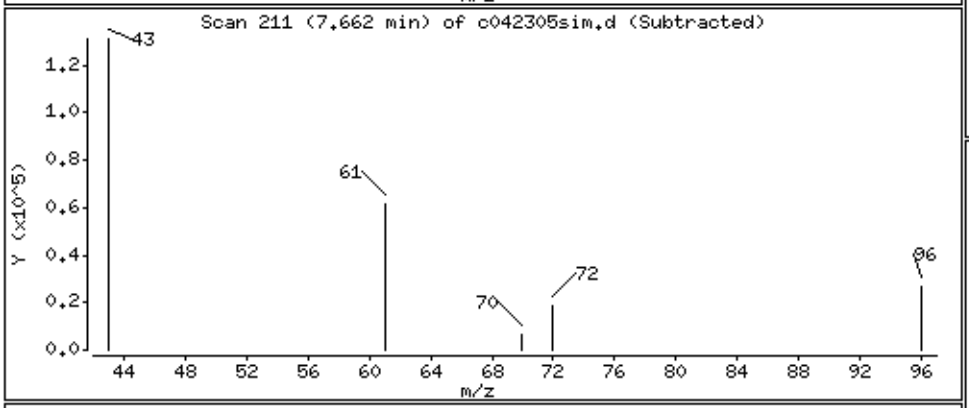
Column diameter: 0.25

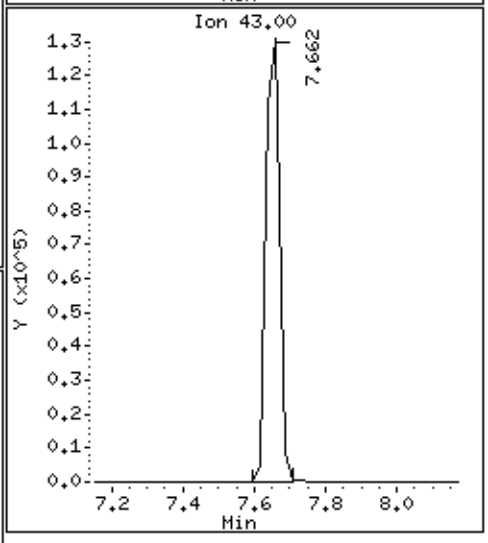
13 2-Butanone

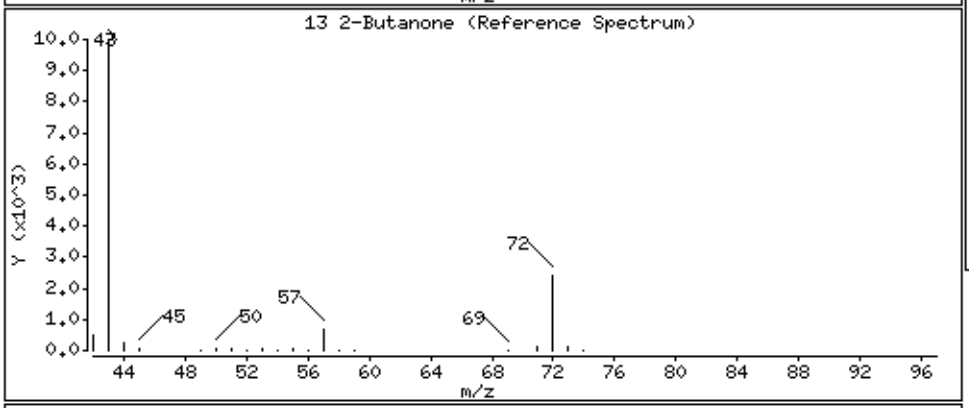
Concentration: 9.11369 ug

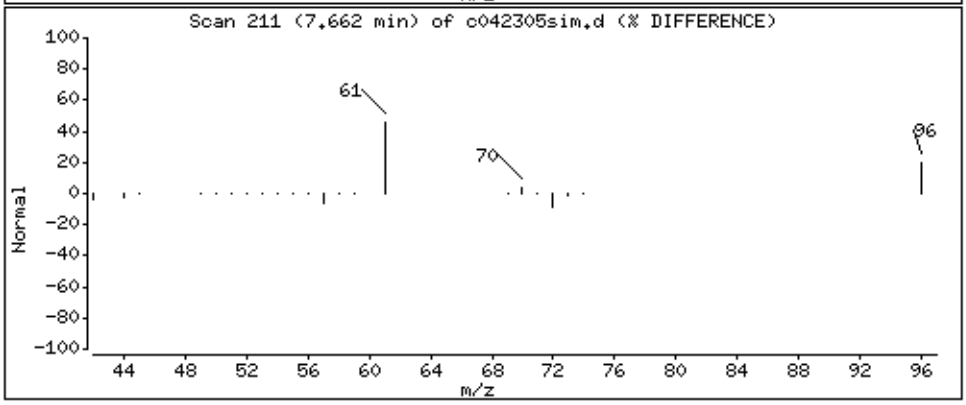












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

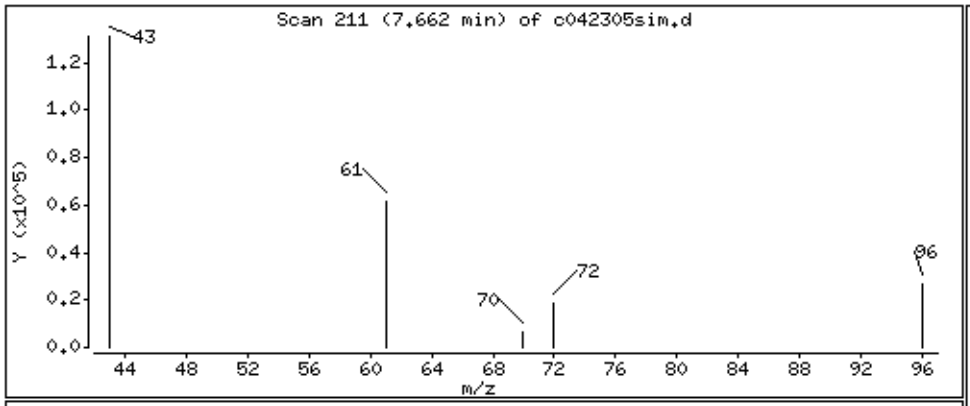
Operator: gm

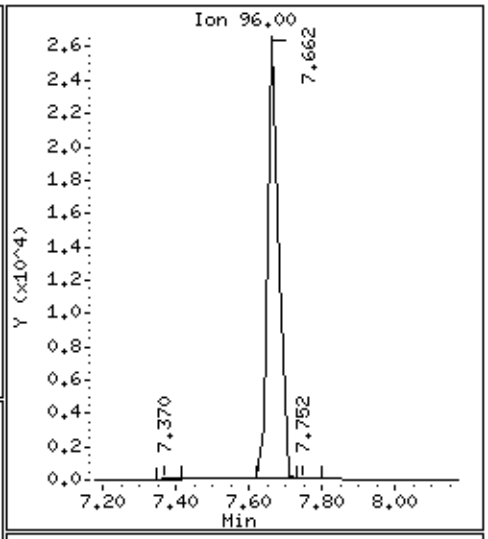
Column phase: DB-5.625

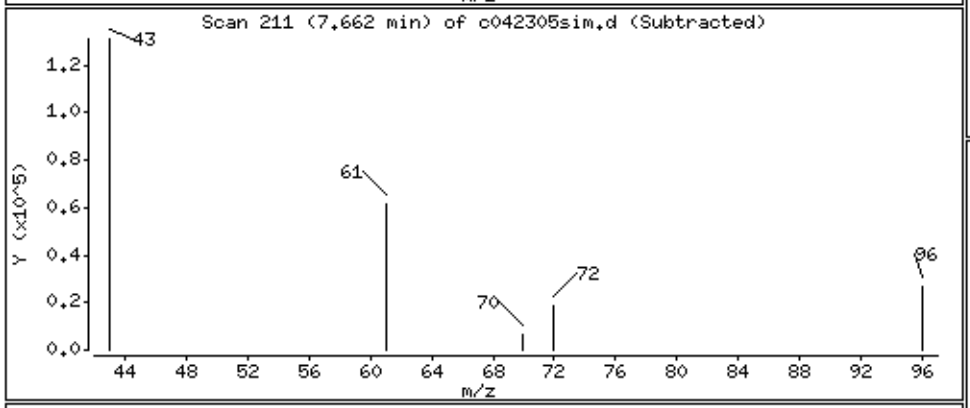
Column diameter: 0.25

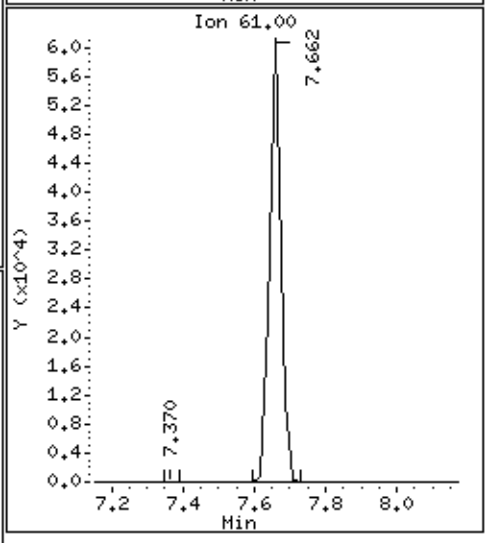
14 cis-1,2-Dichloroethene

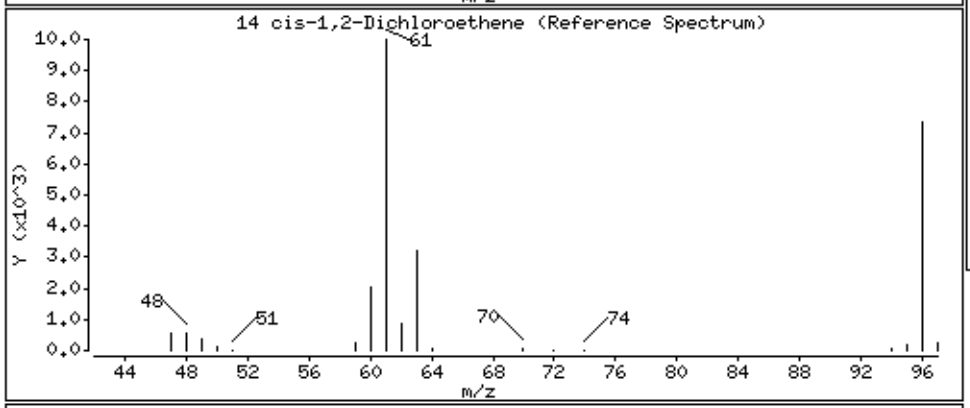
Concentration: 9.06208 ug

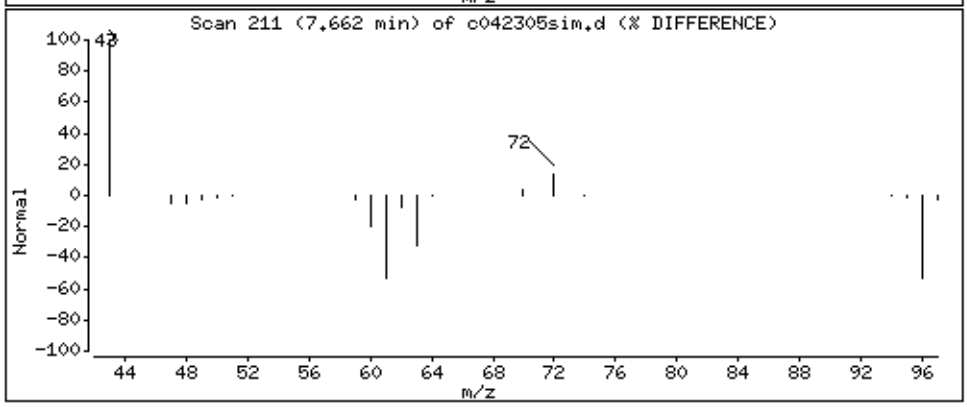












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

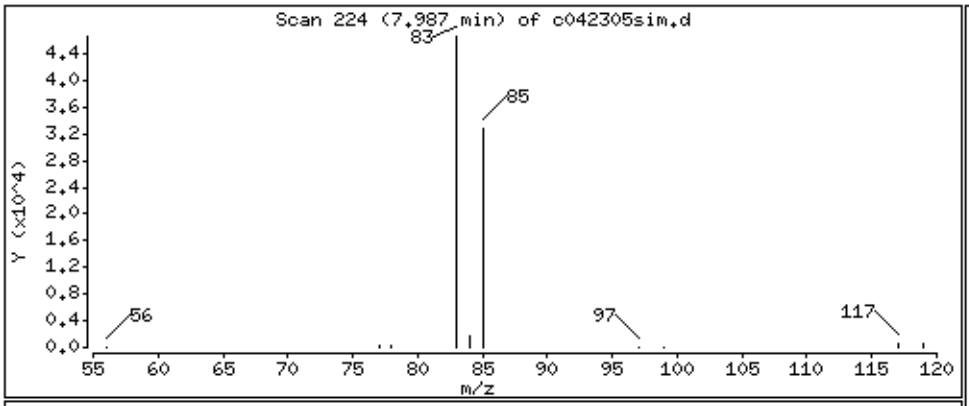
Operator: gm

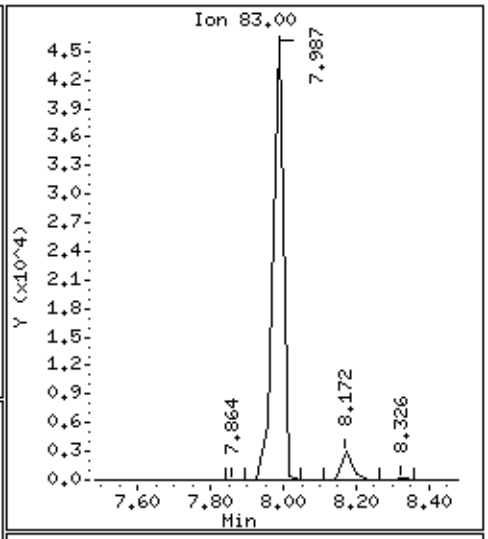
Column phase: DB-5.625

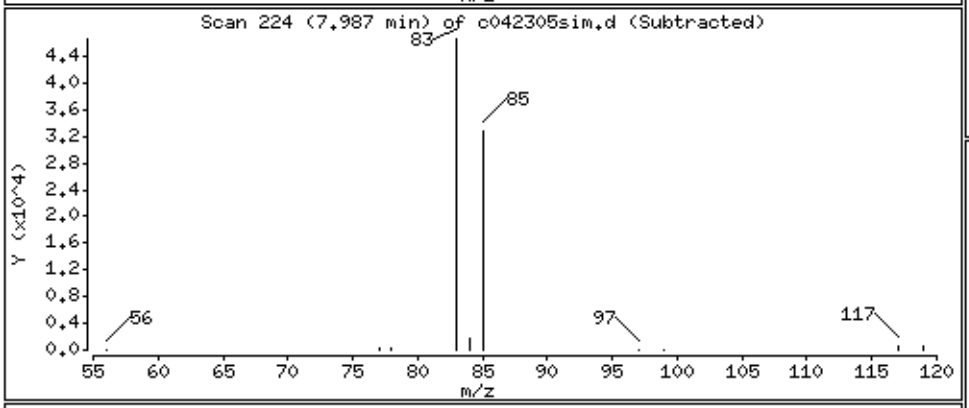
Column diameter: 0.25

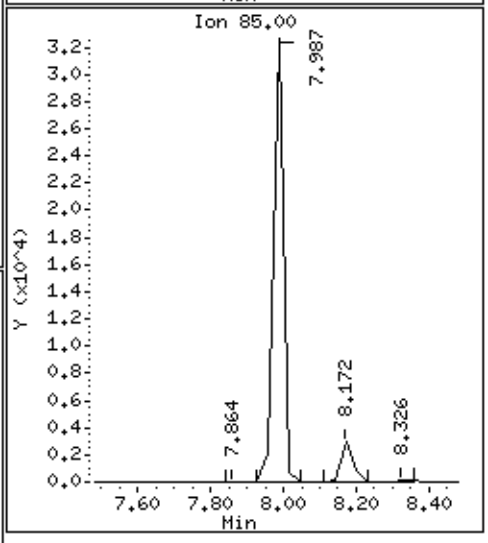
15 Chloroform-CCC

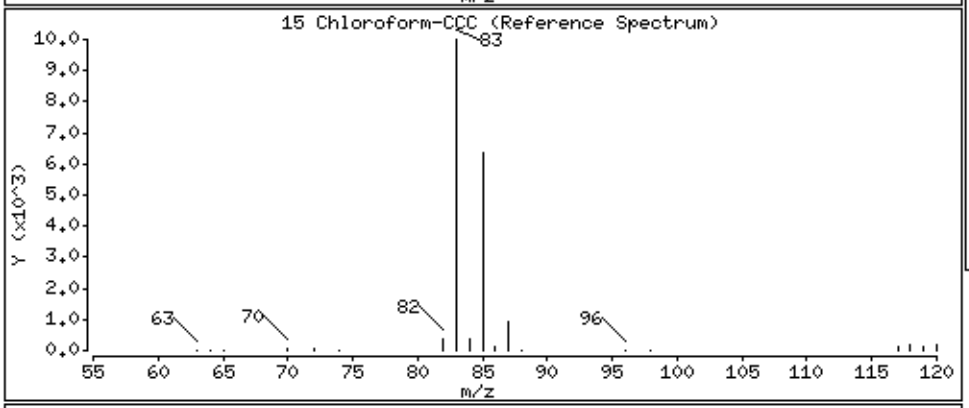
Concentration: 9.22360 ug

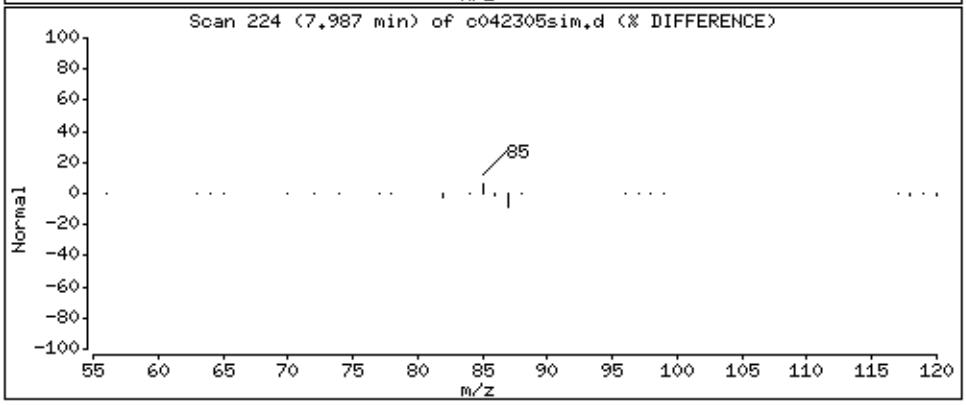












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

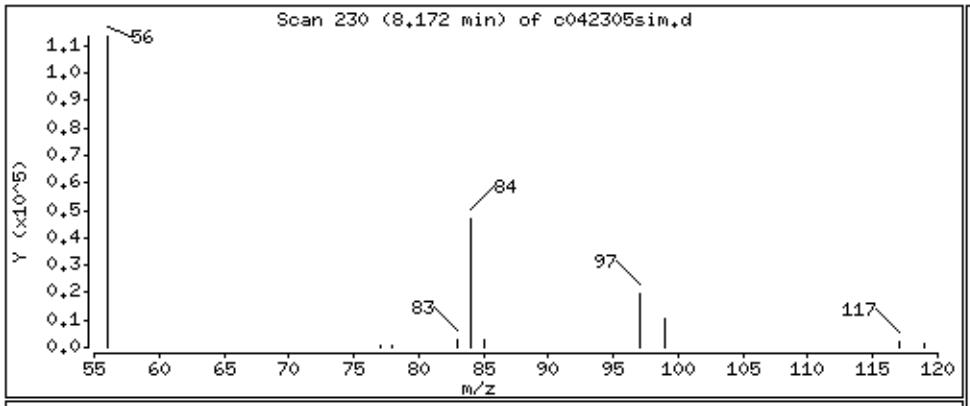
Operator: gm

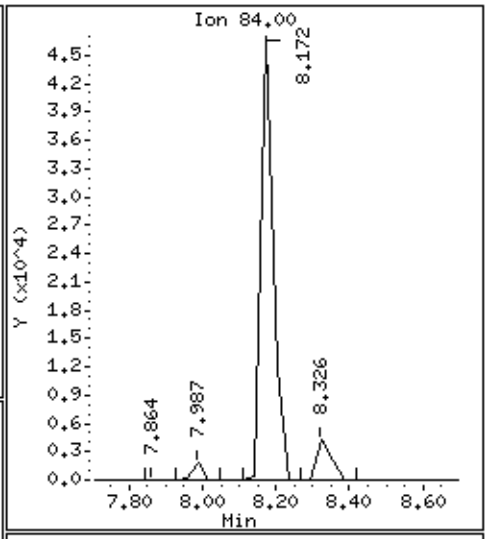
Column phase: DB-5.625

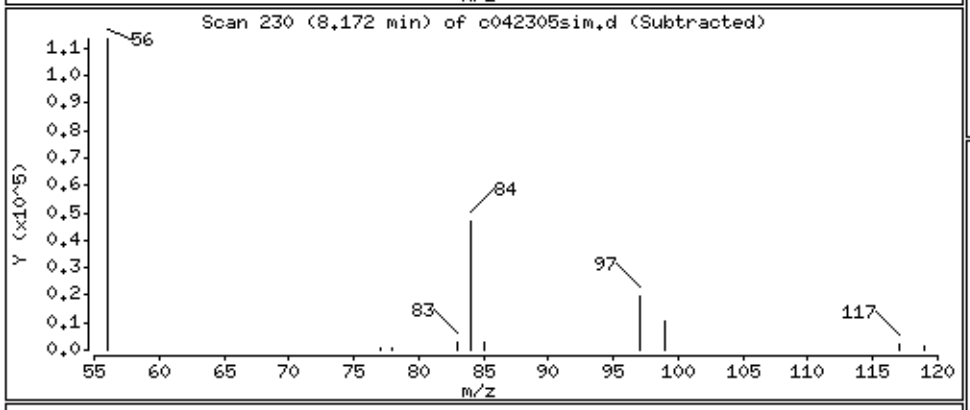
Column diameter: 0.25

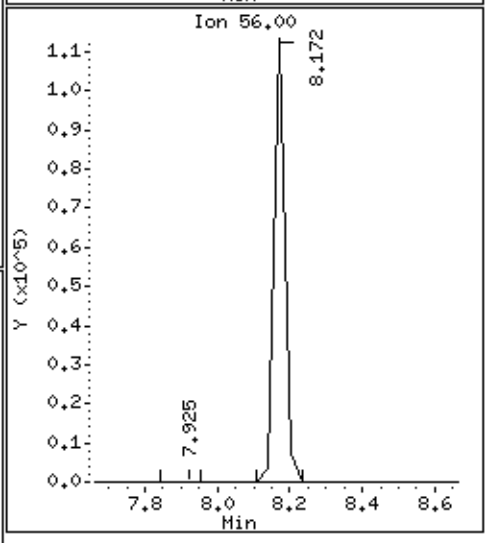
16 Cyclohexane

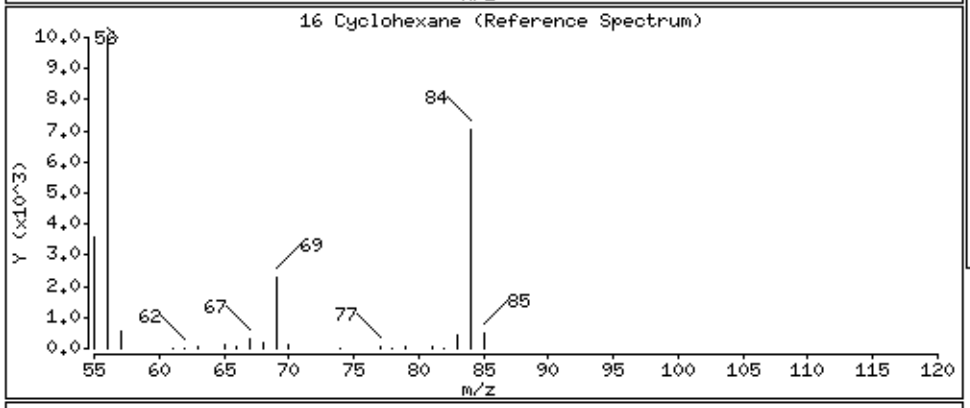
Concentration: 10.2030 ug

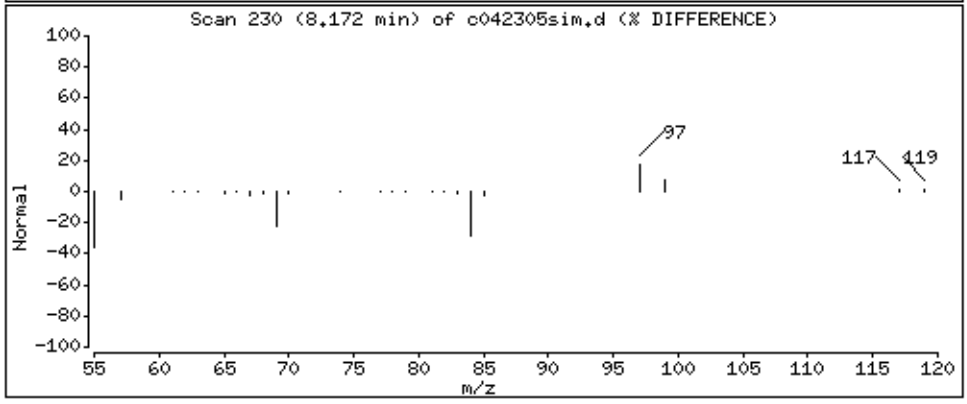












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

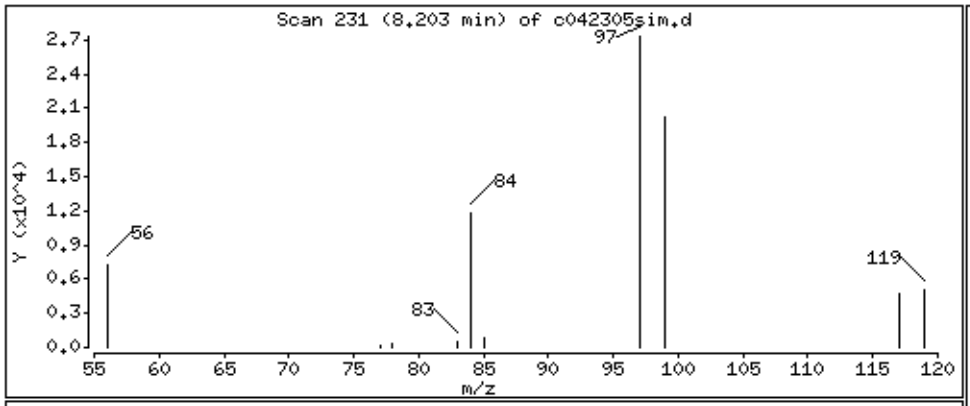
Operator: gm

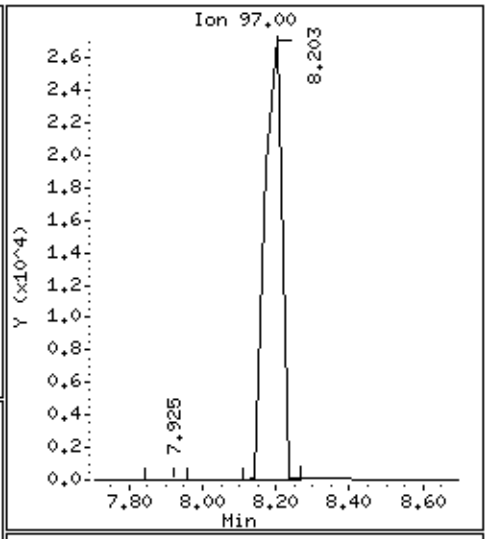
Column phase: DB-5.625

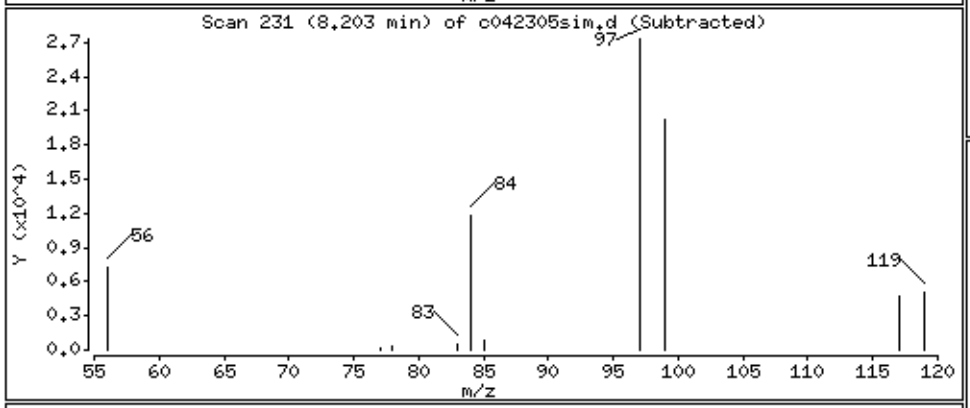
Column diameter: 0.25

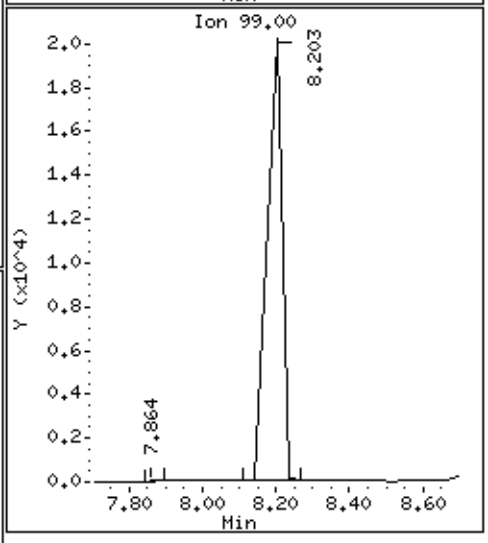
17 1,1,1-Trichloroethane

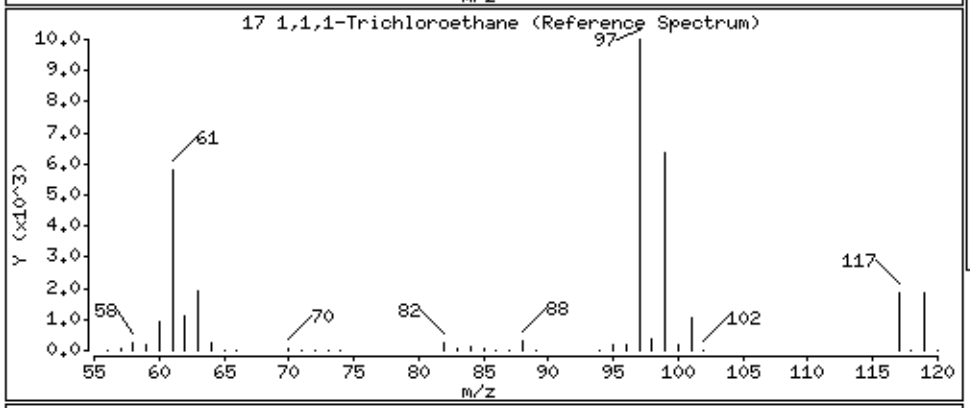
Concentration: 8.77372 ug

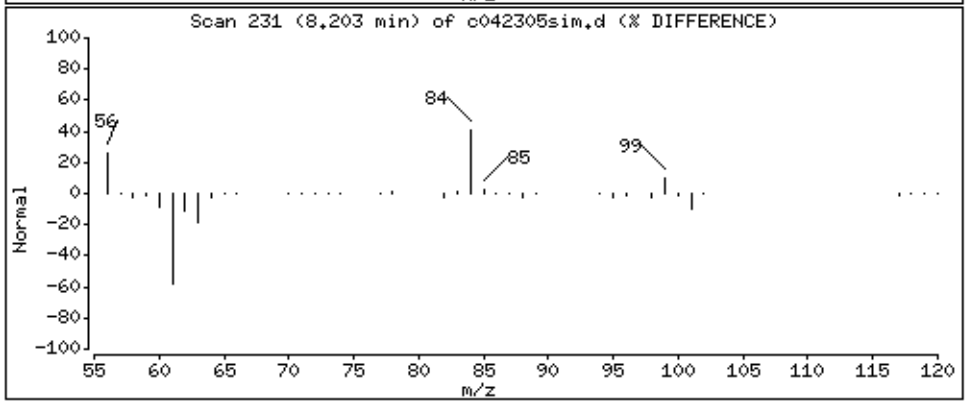












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

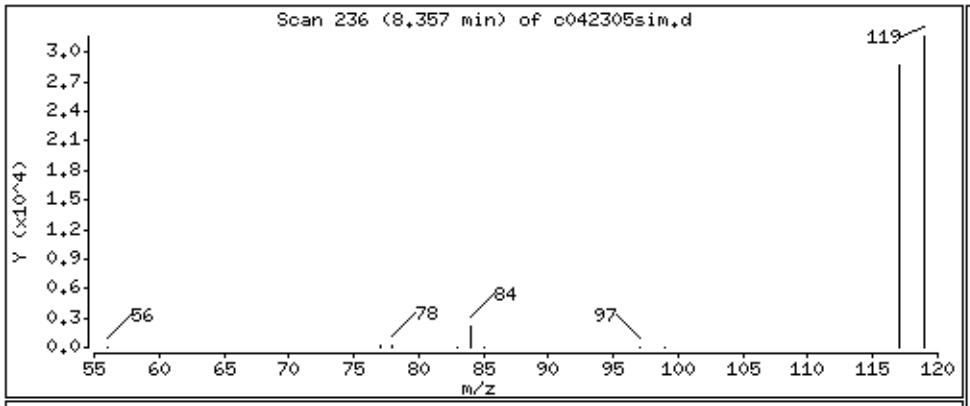
Operator: gm

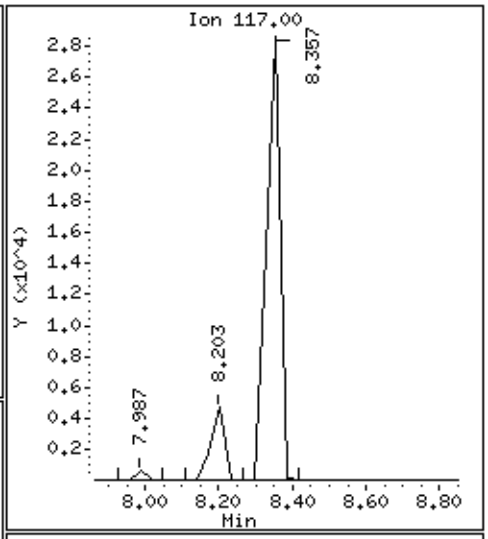
Column phase: DB-5.625

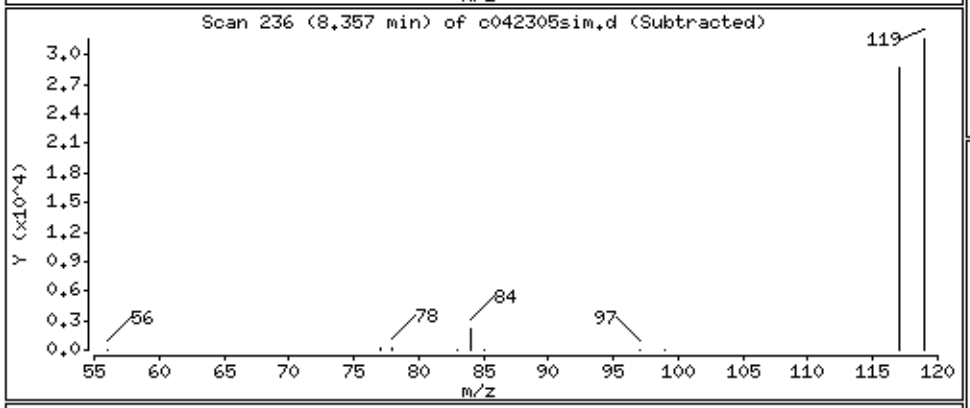
Column diameter: 0.25

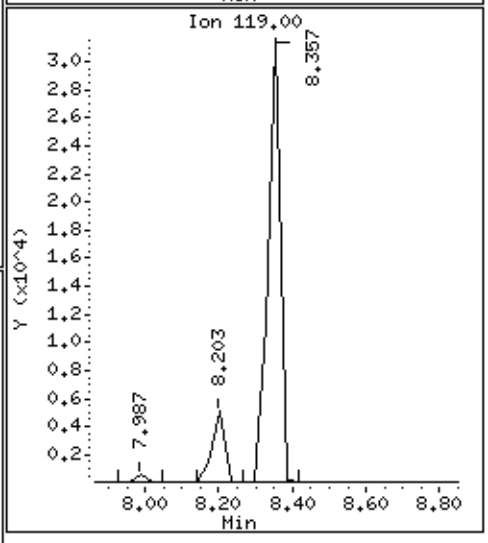
18 Carbon Tetrachloride

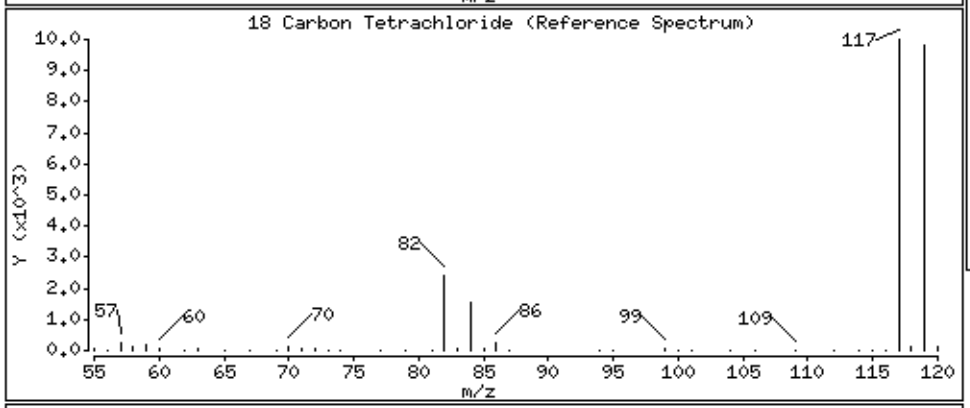
Concentration: 8.11343 ug

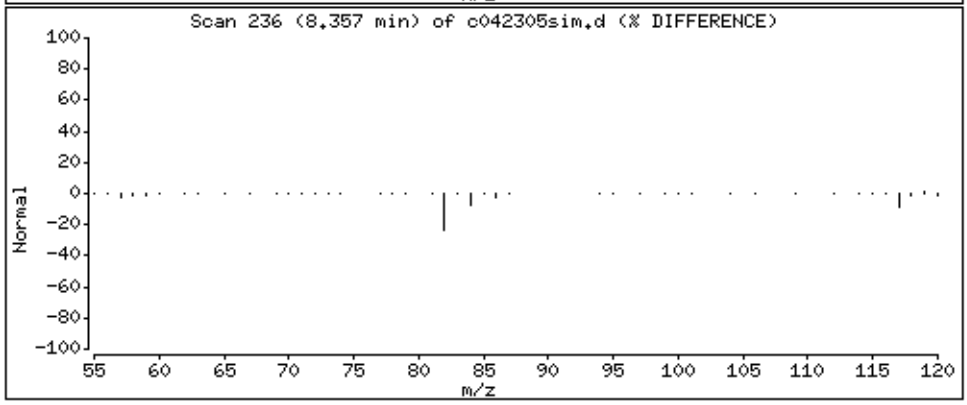












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

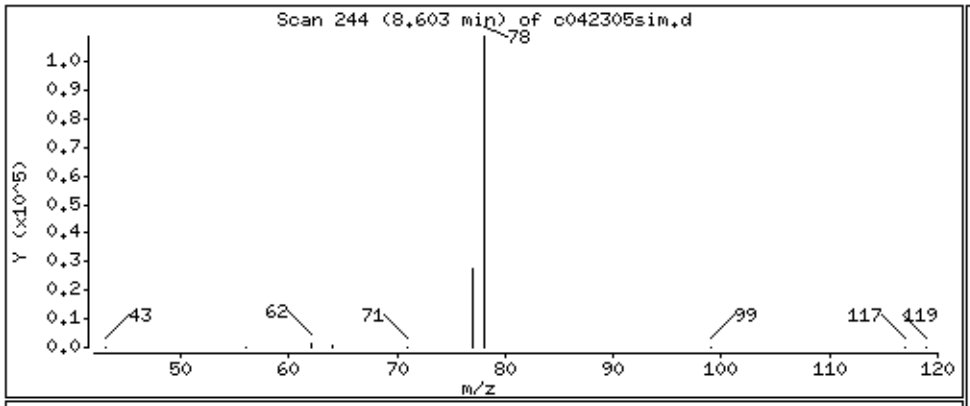
Operator: gm

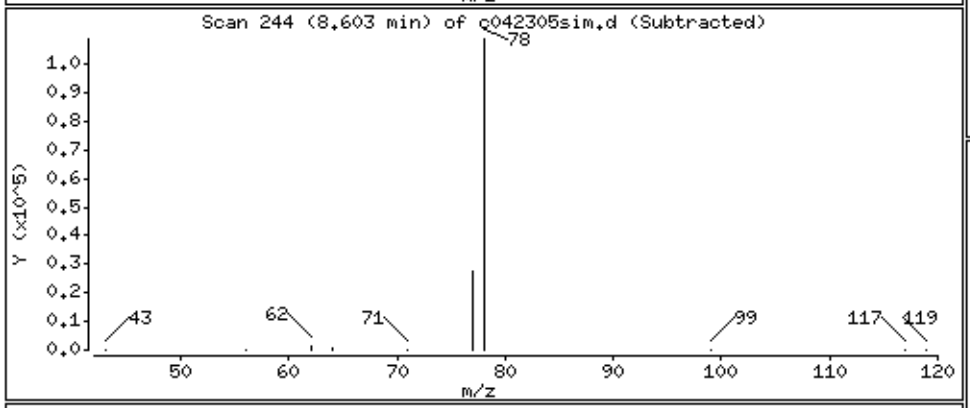
Column phase: DB-5.625

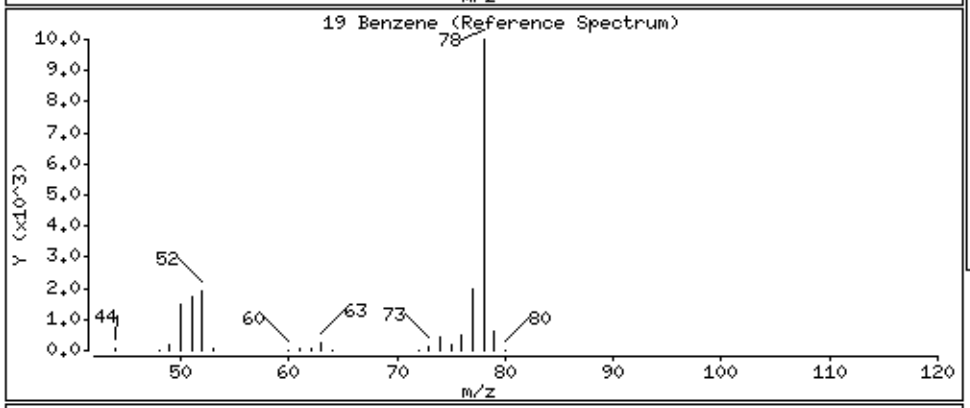
Column diameter: 0.25

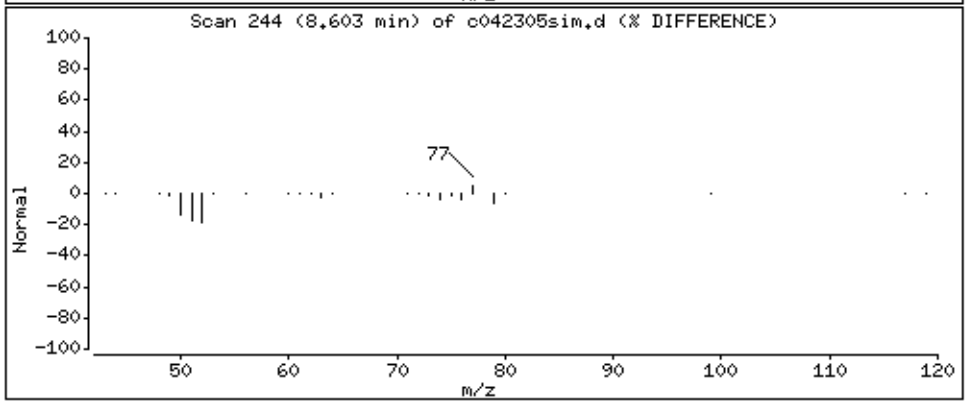
19 Benzene

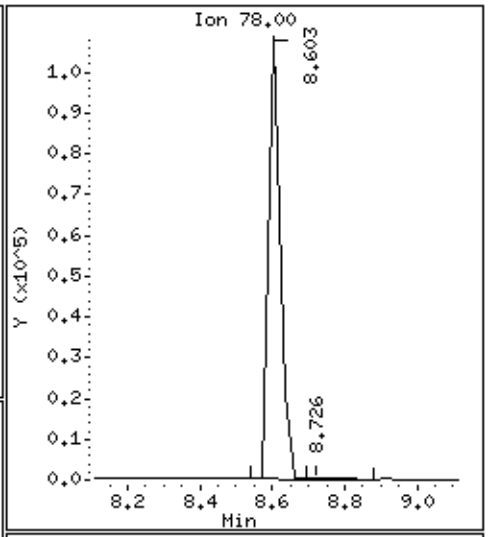
Concentration: 9.97927 ug

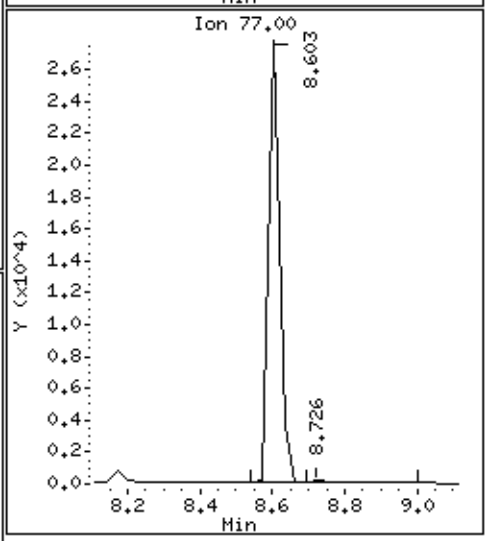












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

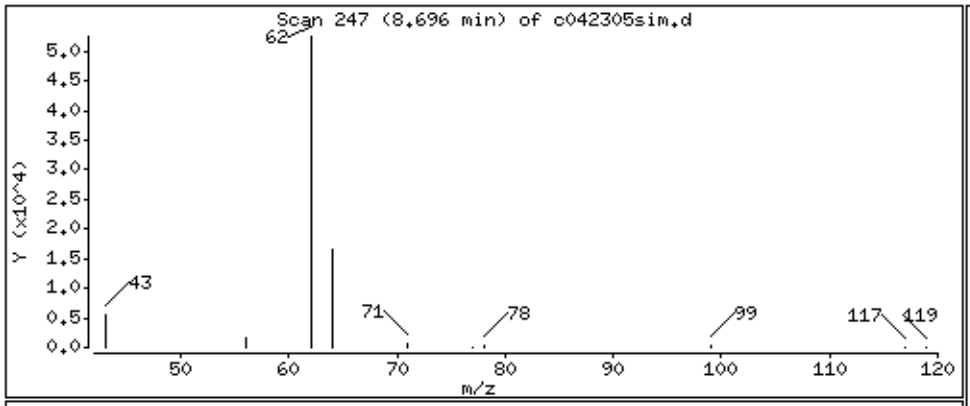
Operator: gm

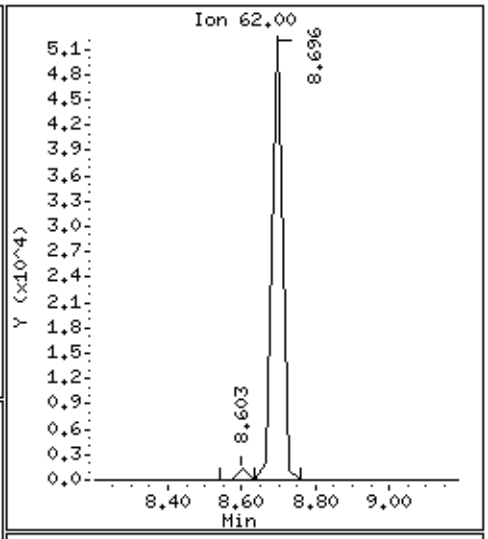
Column phase: DB-5.625

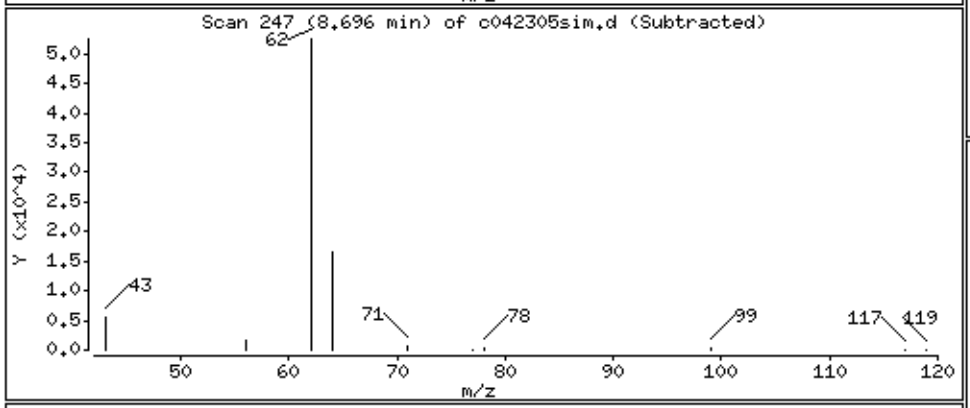
Column diameter: 0.25

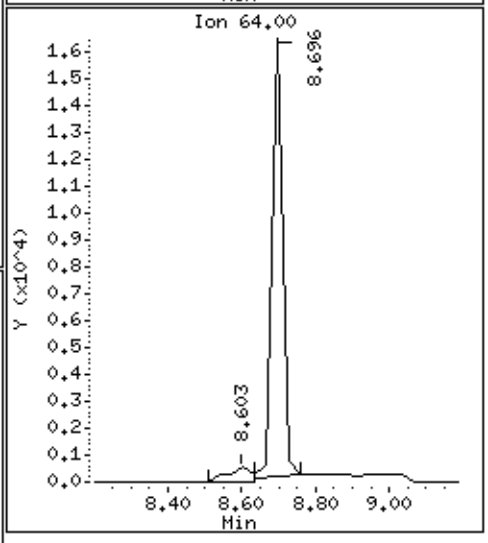
20 1,2-Dichloroethane

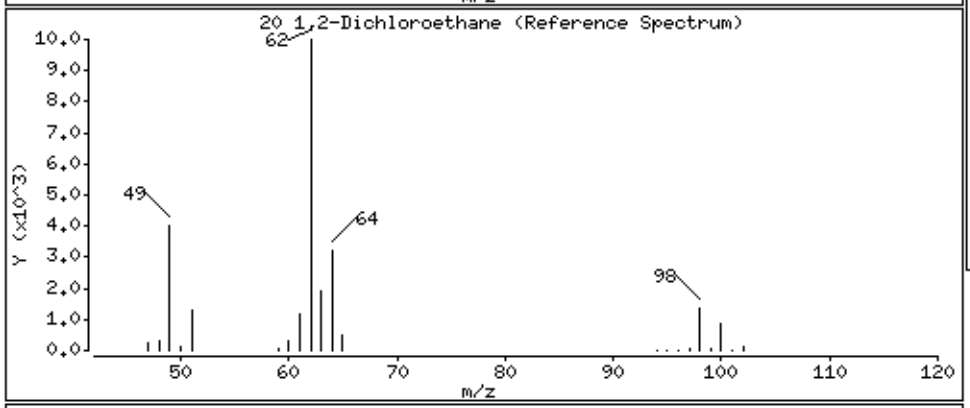
Concentration: 9.26261 ug

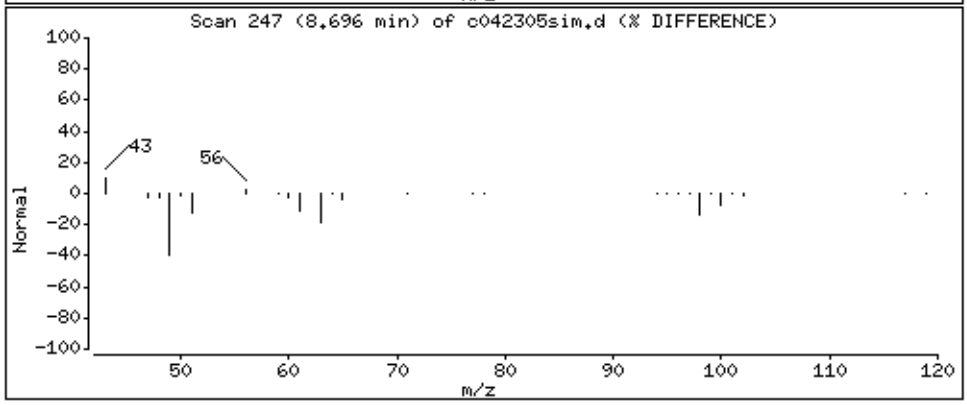












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

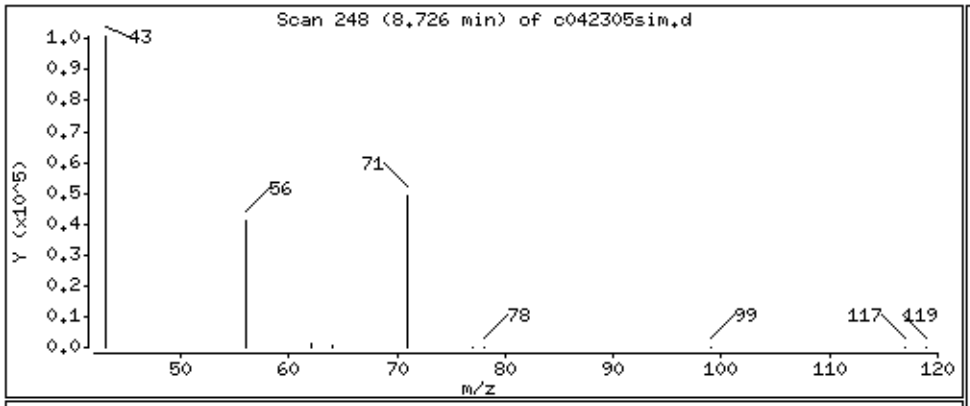
Operator: gm

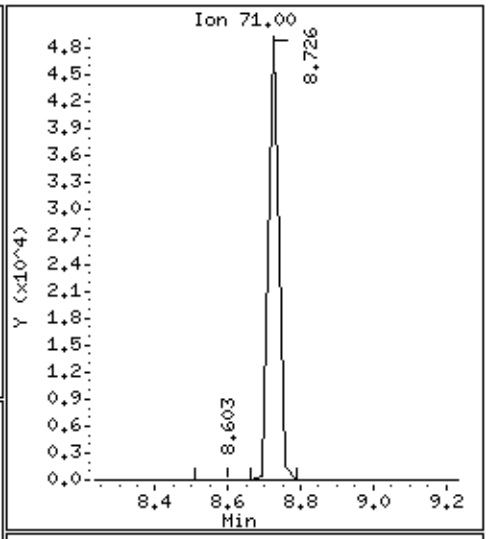
Column phase: DB-5.625

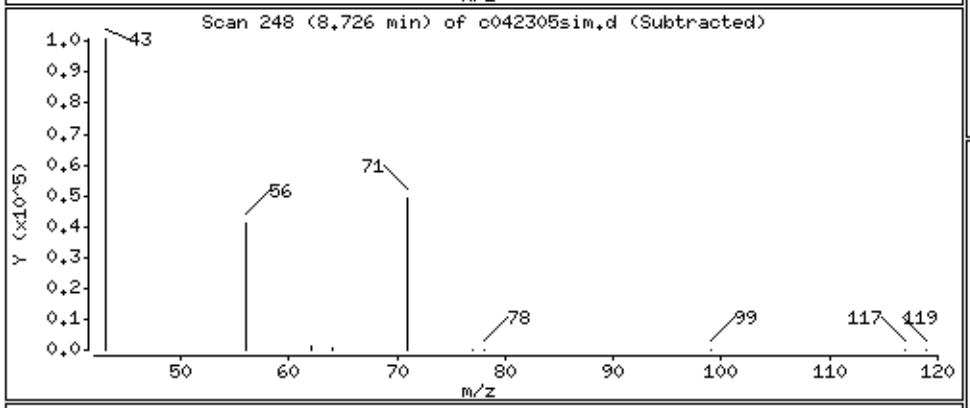
Column diameter: 0.25

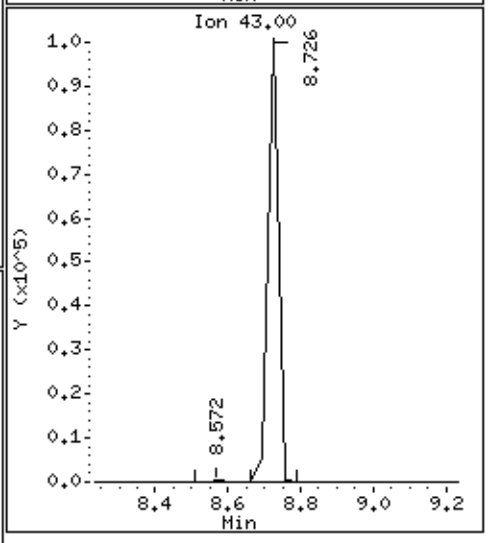
21 Heptane

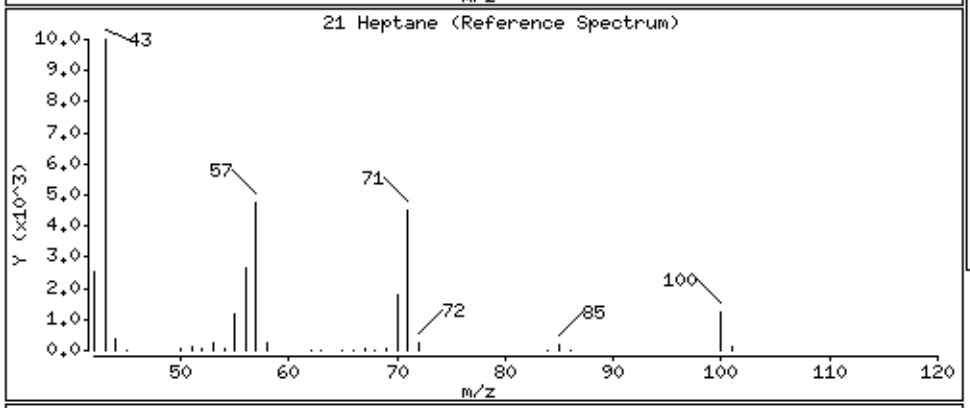
Concentration: 10.4751 ug

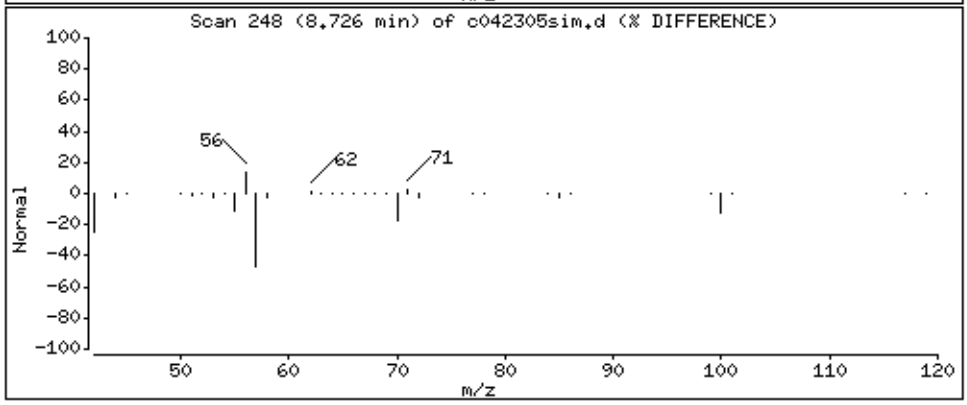












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

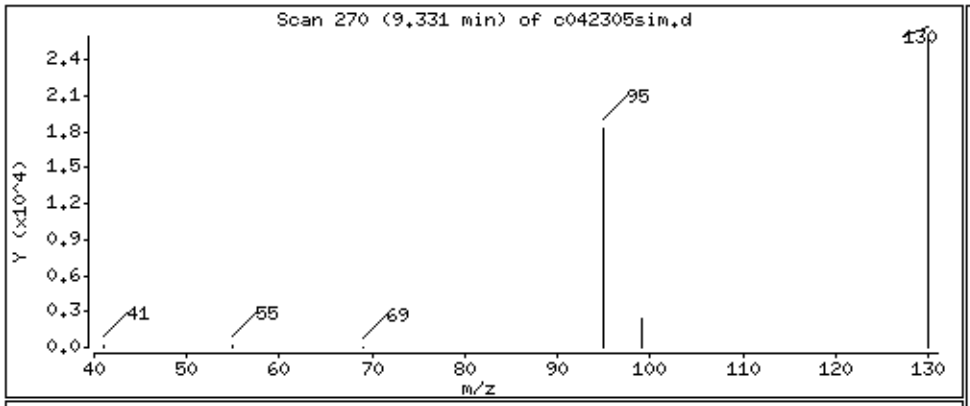
Operator: gm

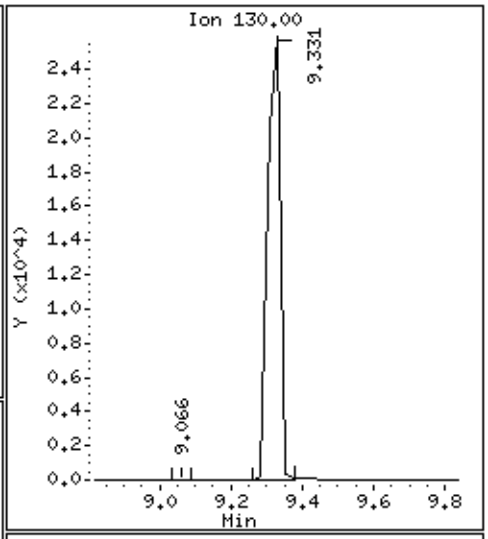
Column phase: DB-5.625

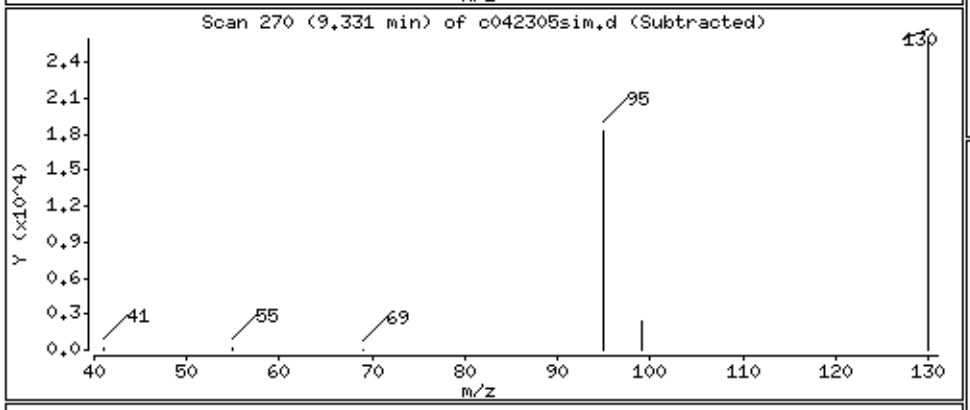
Column diameter: 0.25

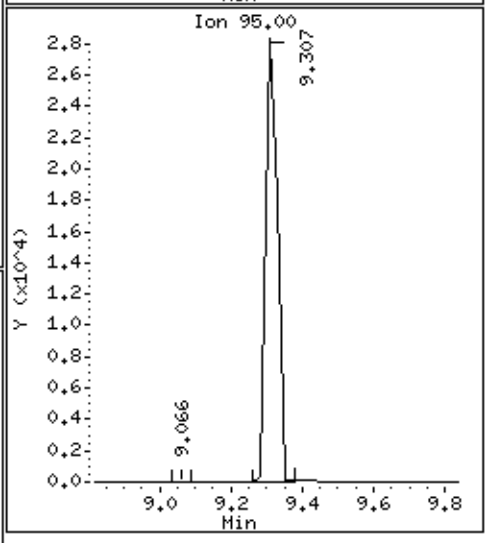
22 Trichloroethene

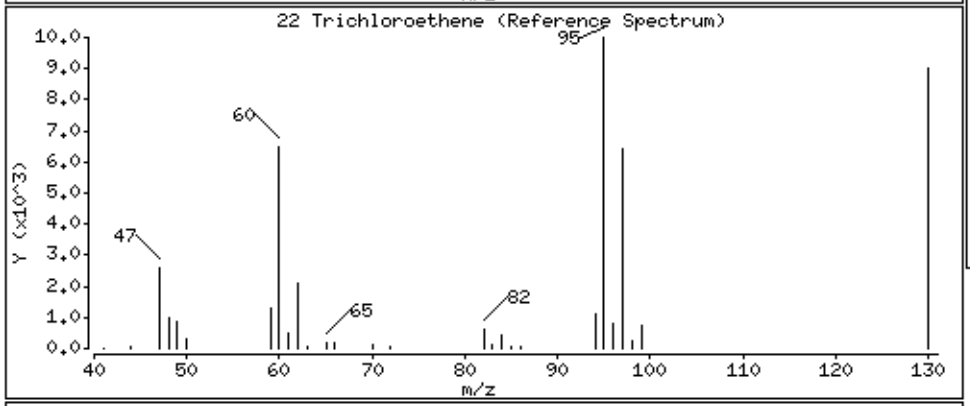
Concentration: 8.52756 ug

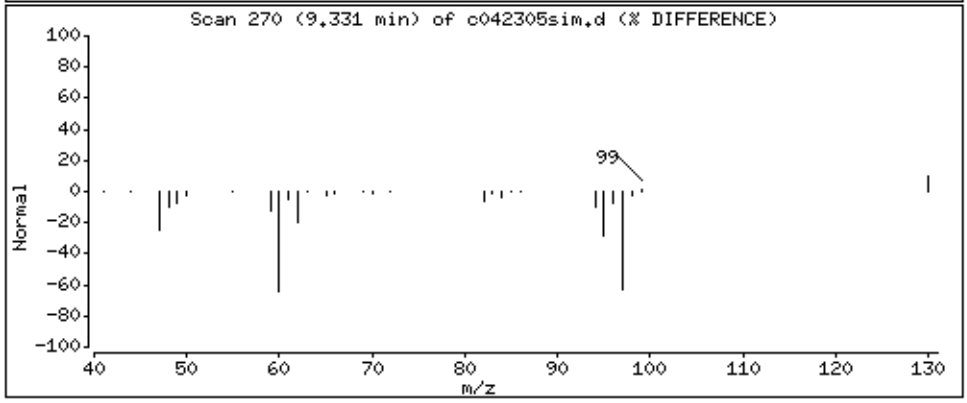












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

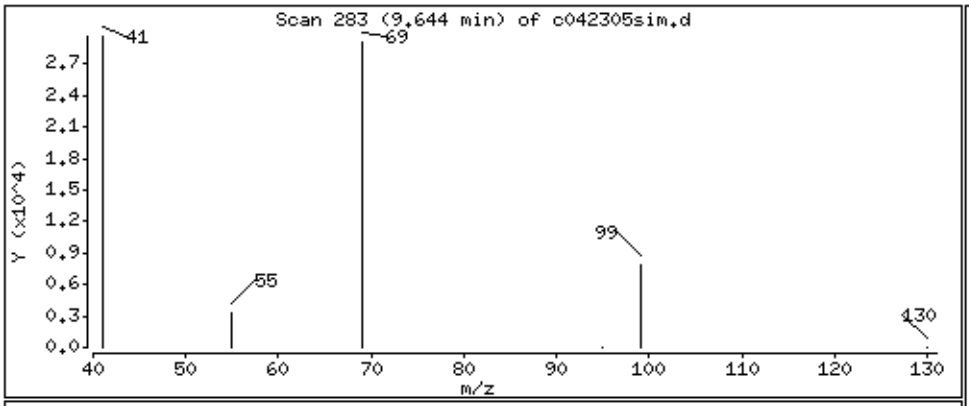
Operator: gm

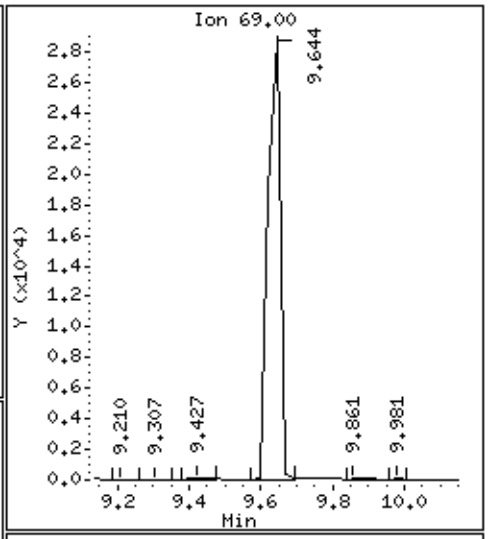
Column phase: DB-5.625

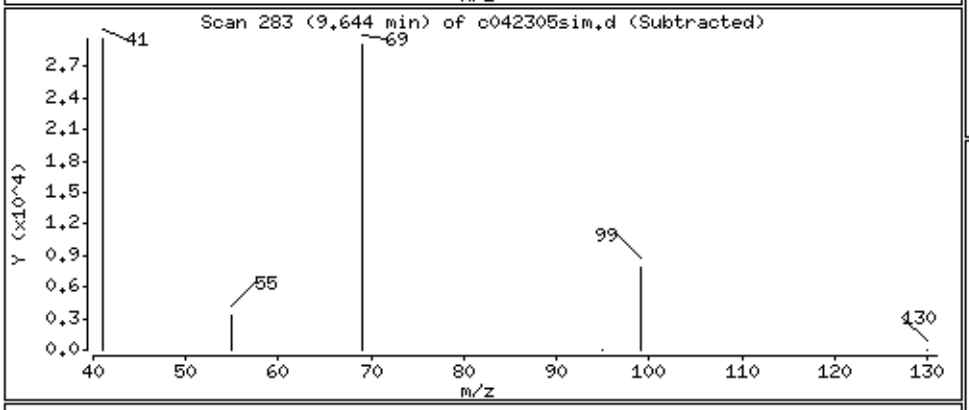
Column diameter: 0.25

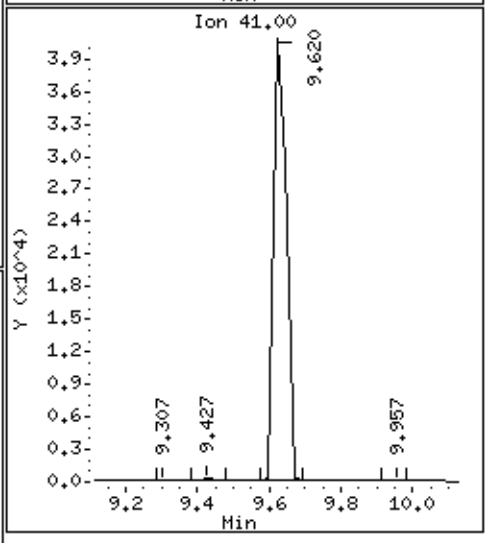
23 Methyl Methacrylate

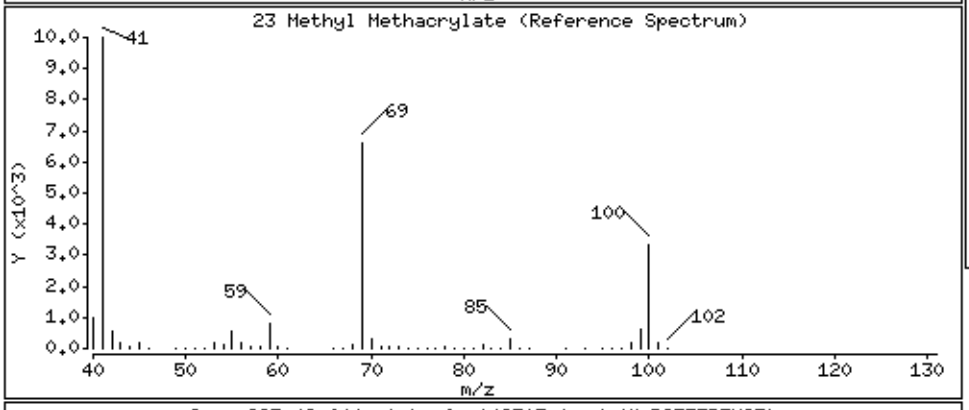
Concentration: 8.80609 ug

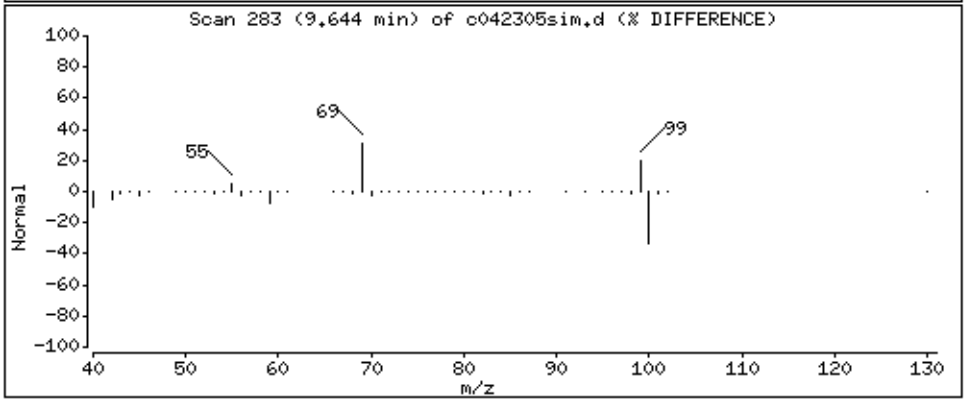












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

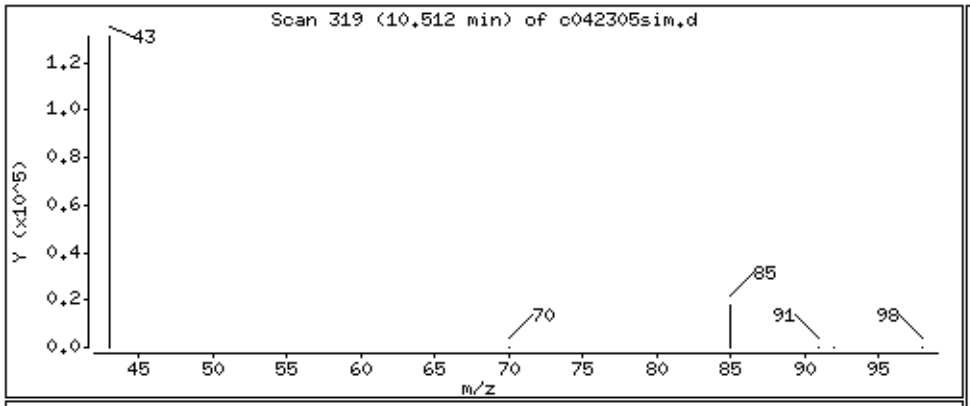
Operator: gm

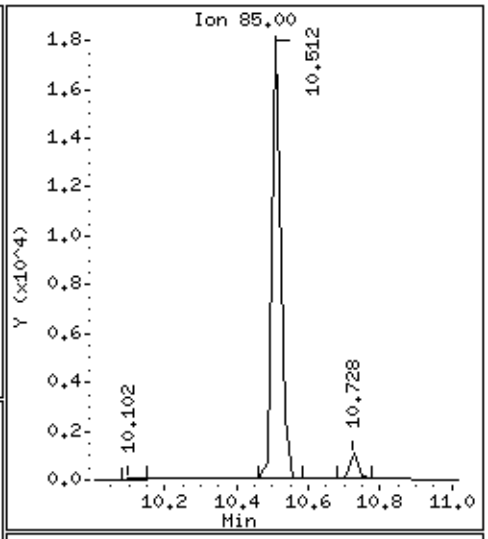
Column phase: DB-5.625

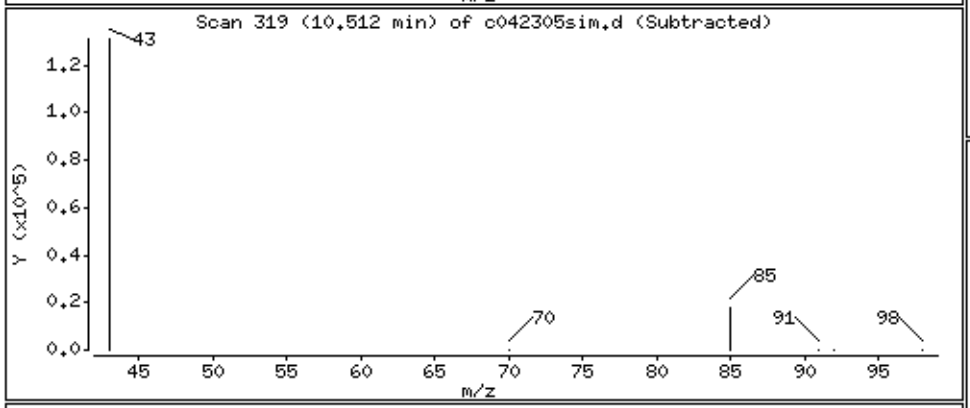
Column diameter: 0.25

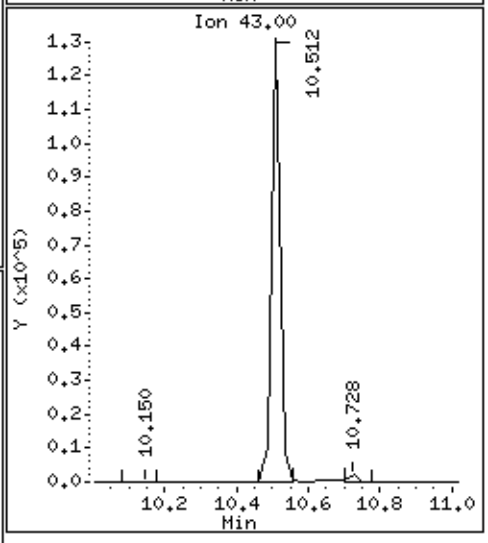
24 4-Methyl-2-pentanone

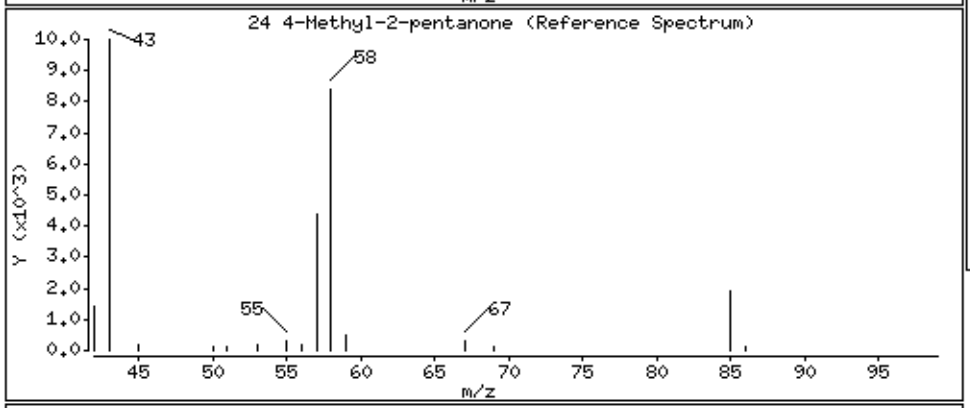
Concentration: 9.88092 ug

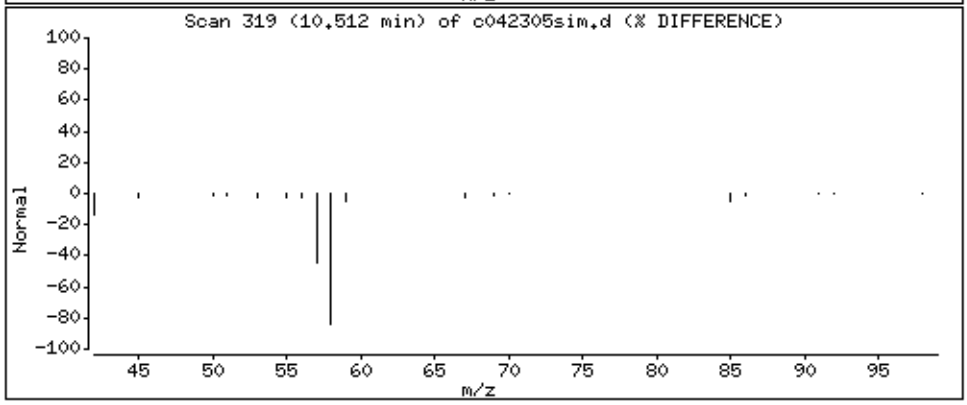












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

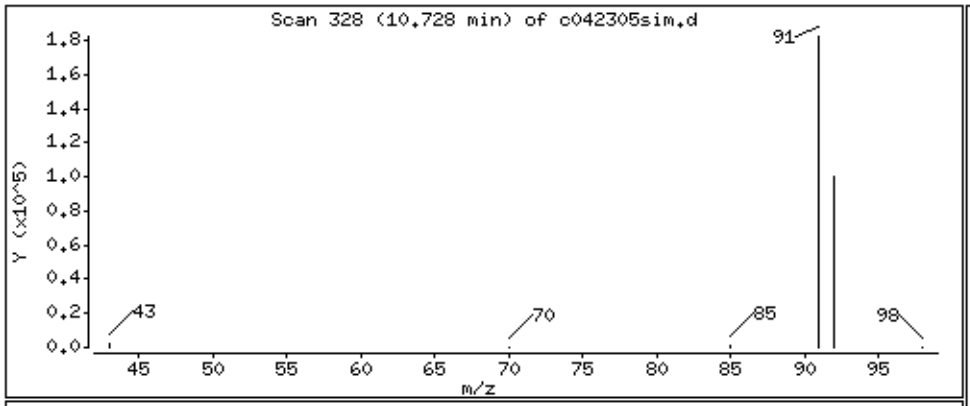
Operator: gm

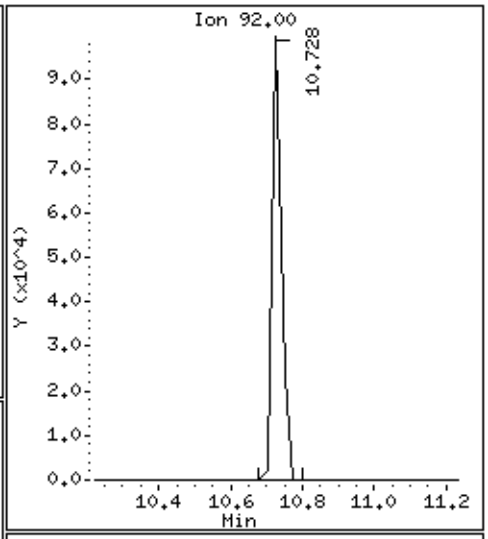
Column phase: DB-5.625

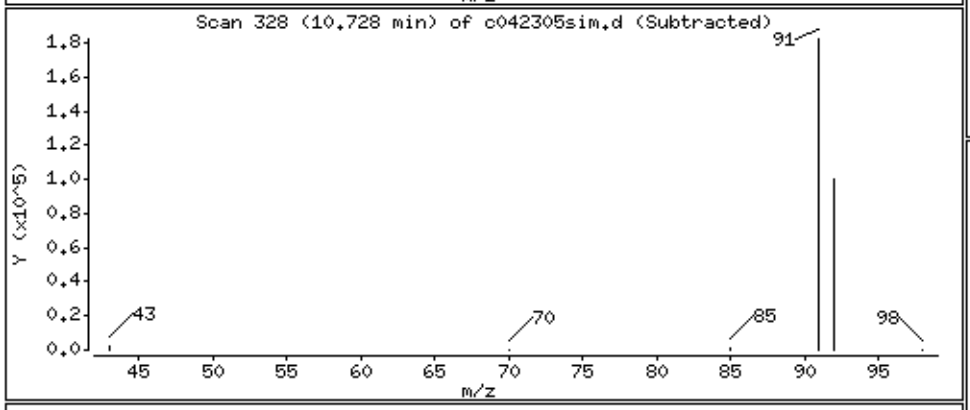
Column diameter: 0.25

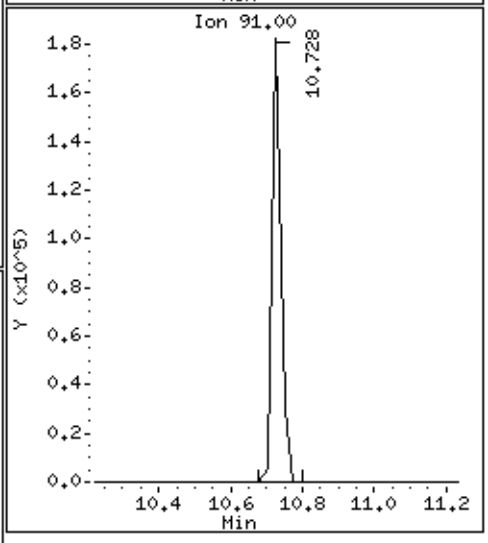
26 Toluene-CCC

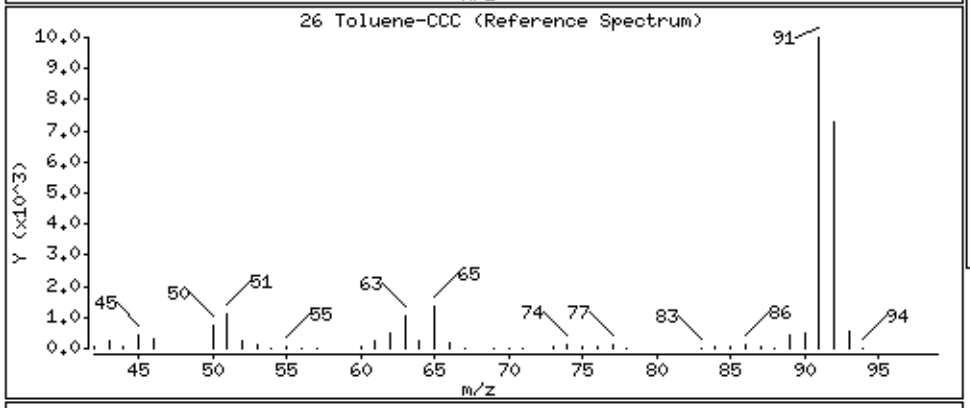
Concentration: 9.15603 ug

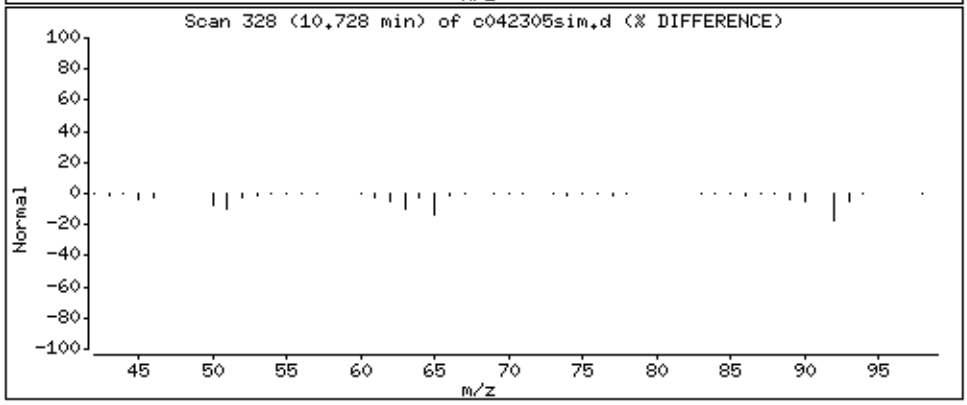












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

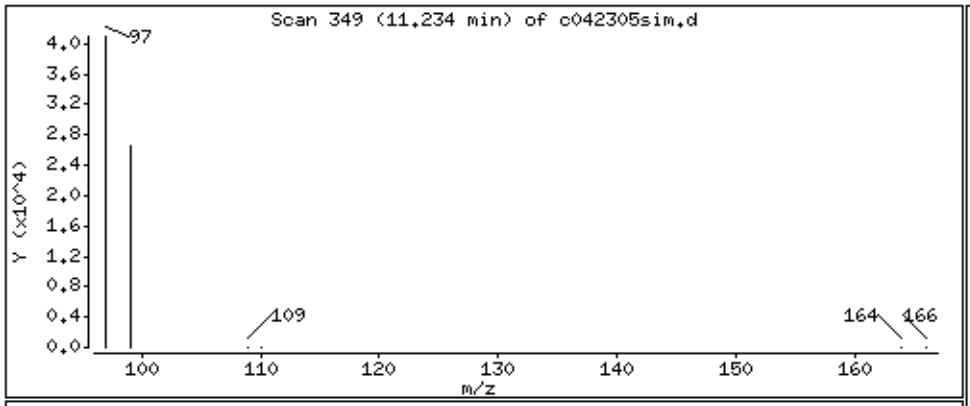
Operator: gm

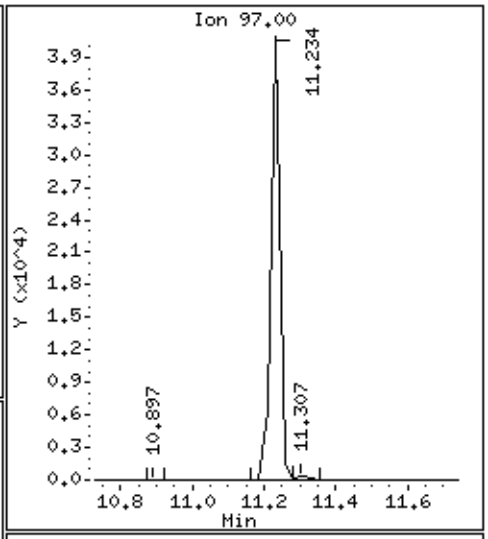
Column phase: DB-5.625

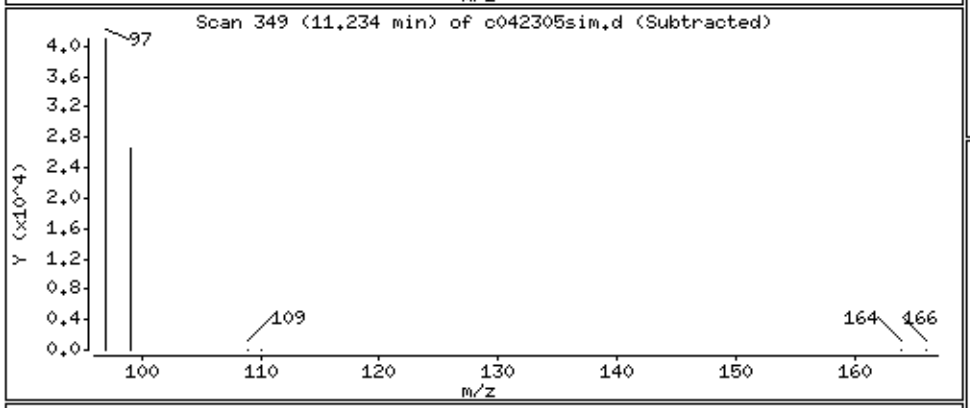
Column diameter: 0.25

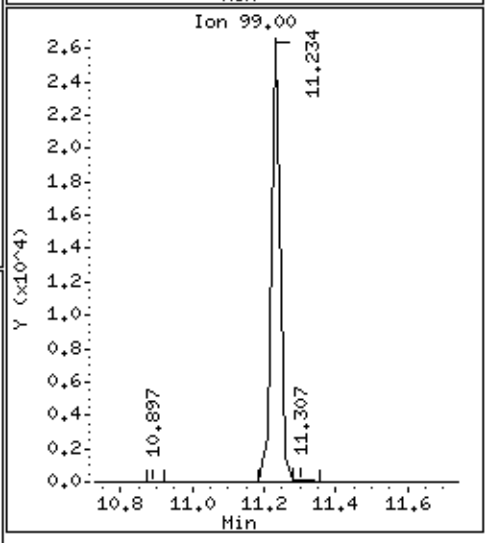
28 1,1,2-Trichloroethane

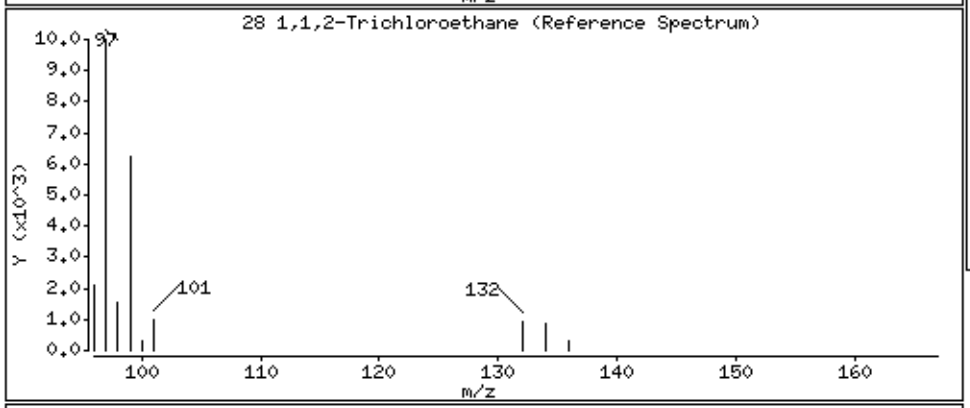
Concentration: 8.86053 ug

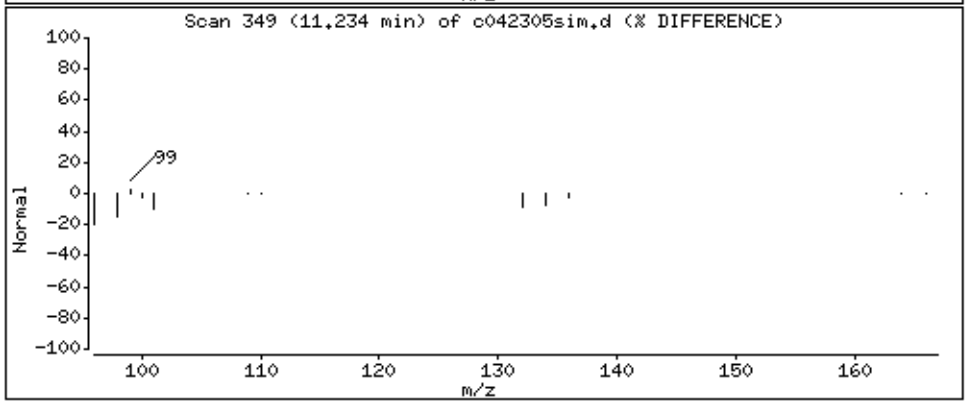












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

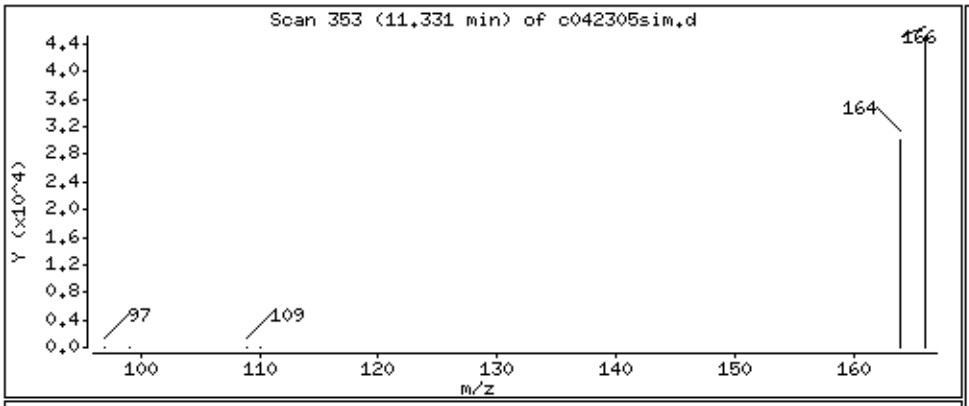
Operator: gm

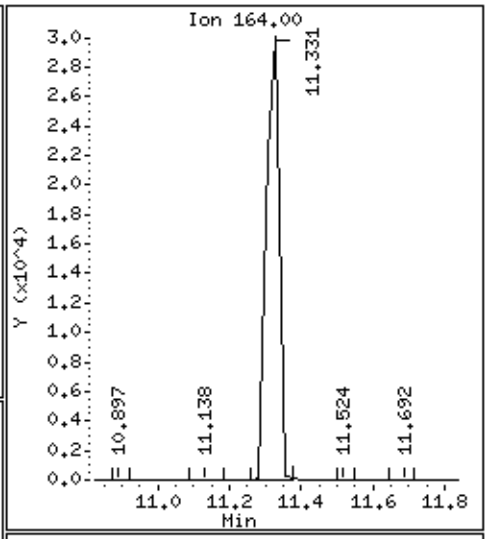
Column phase: DB-5.625

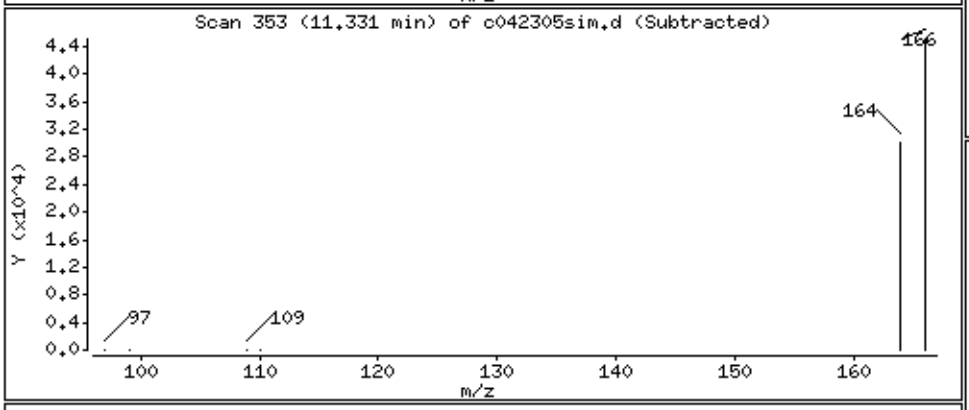
Column diameter: 0.25

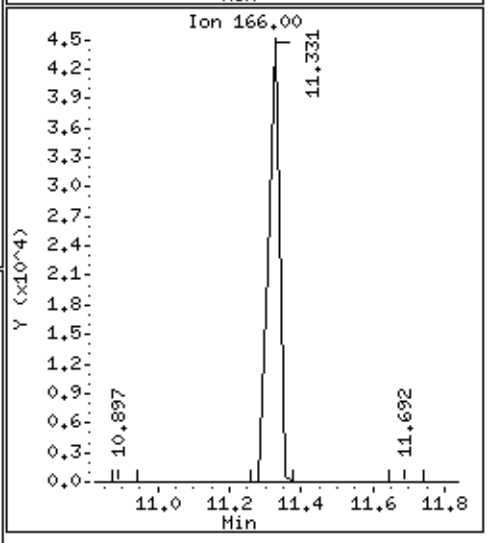
29 Tetrachloroethene

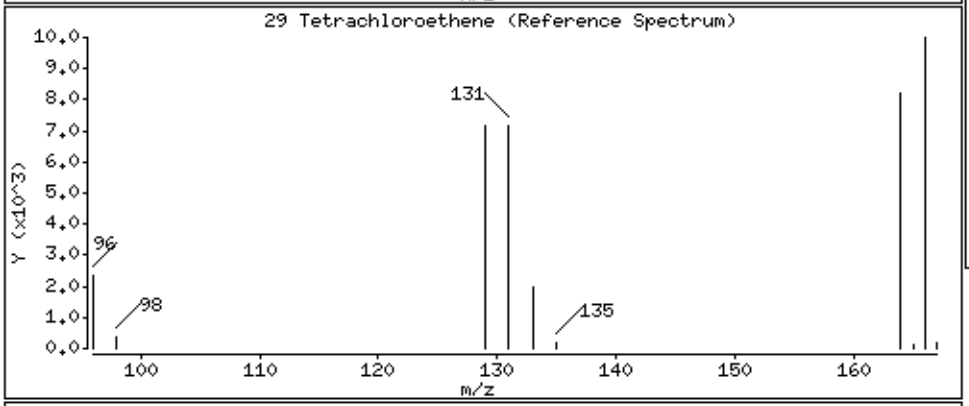
Concentration: 8.35074 ug

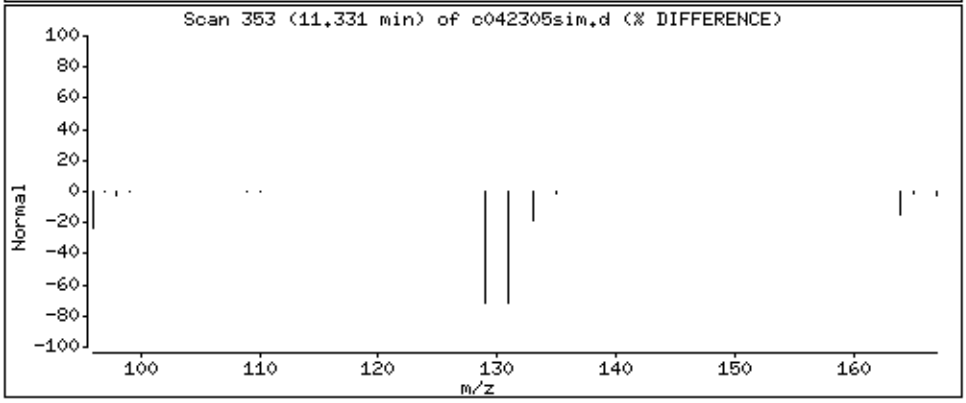












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

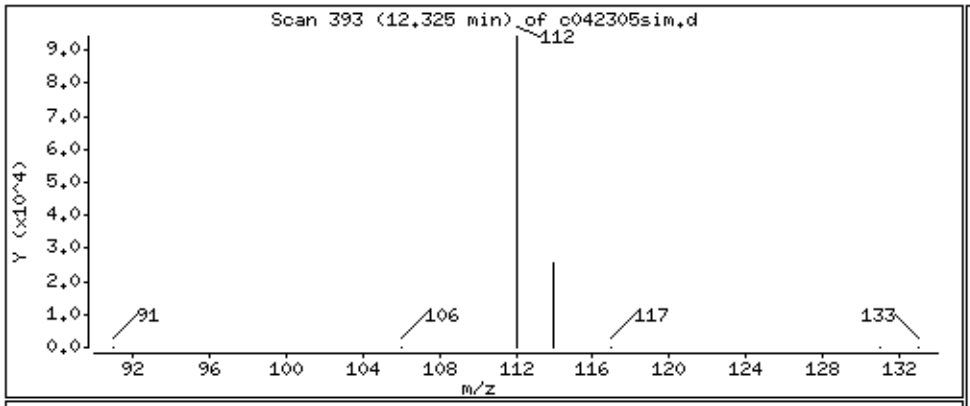
Operator: gm

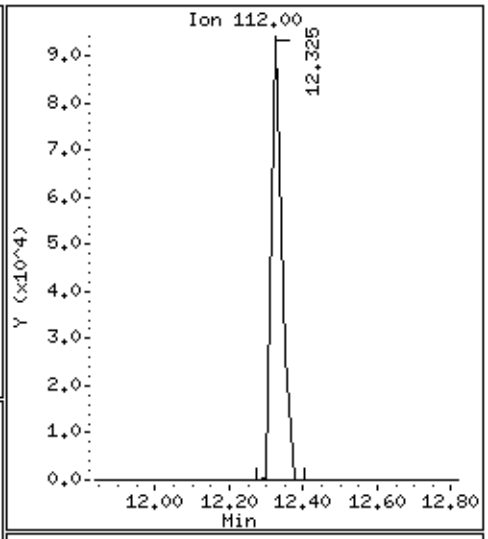
Column phase: DB-5.625

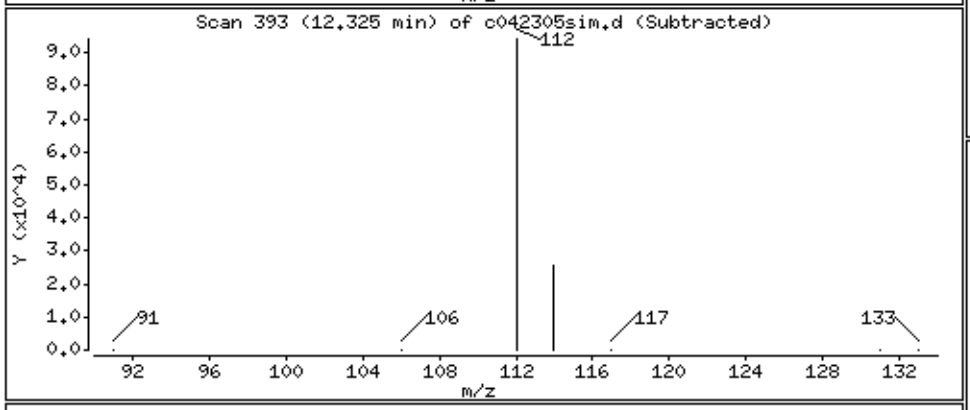
Column diameter: 0.25

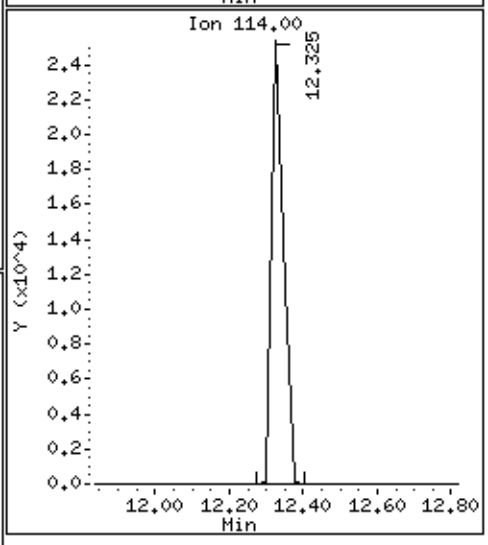
30 Chlorobenzene

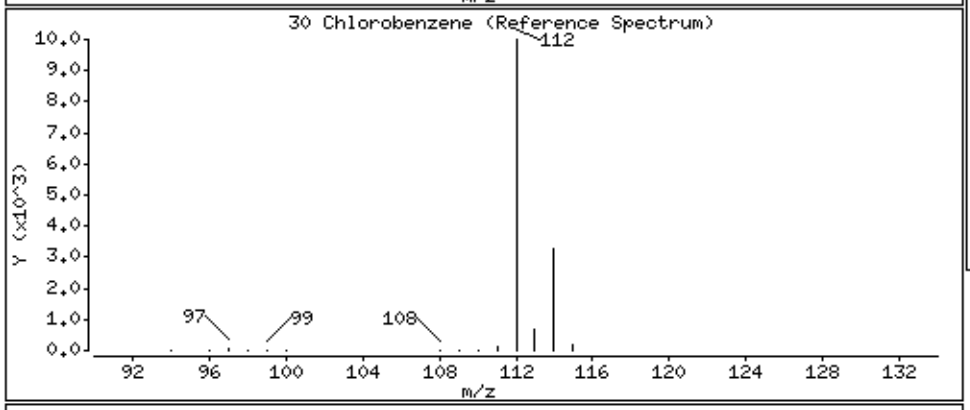
Concentration: 8.00754 ug

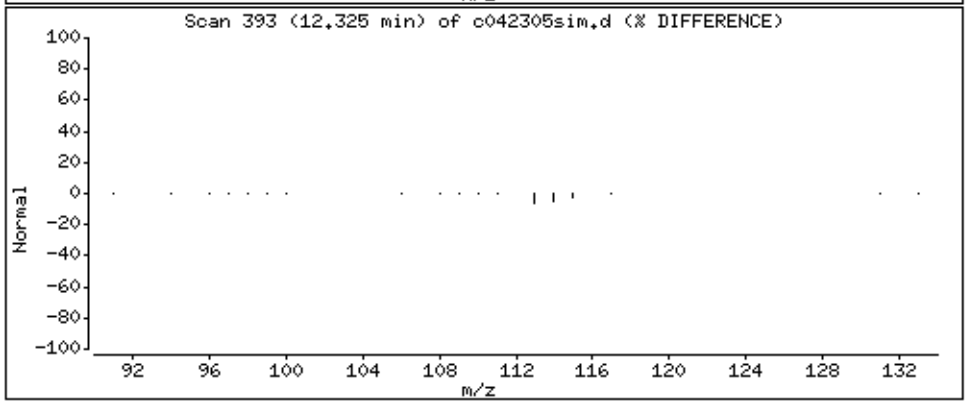












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

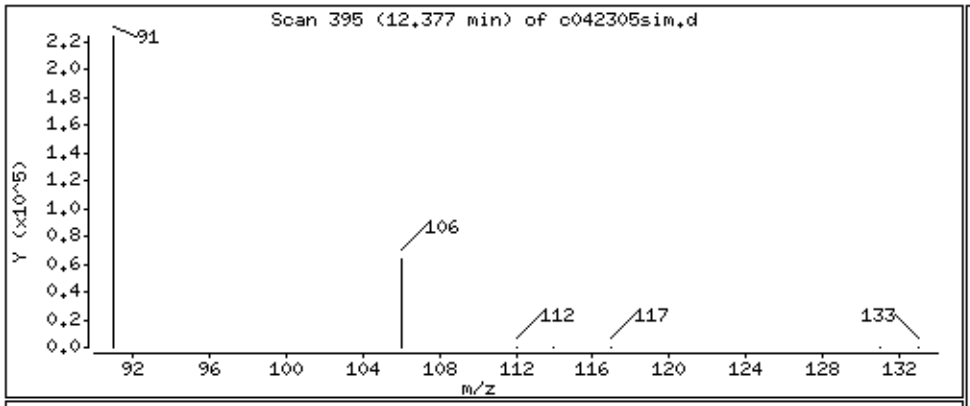
Operator: gm

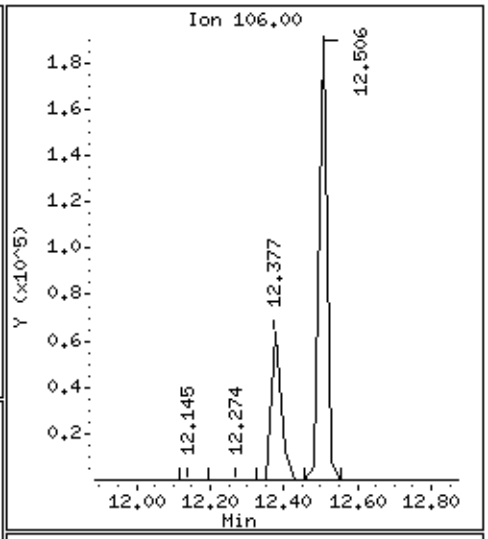
Column phase: DB-5.625

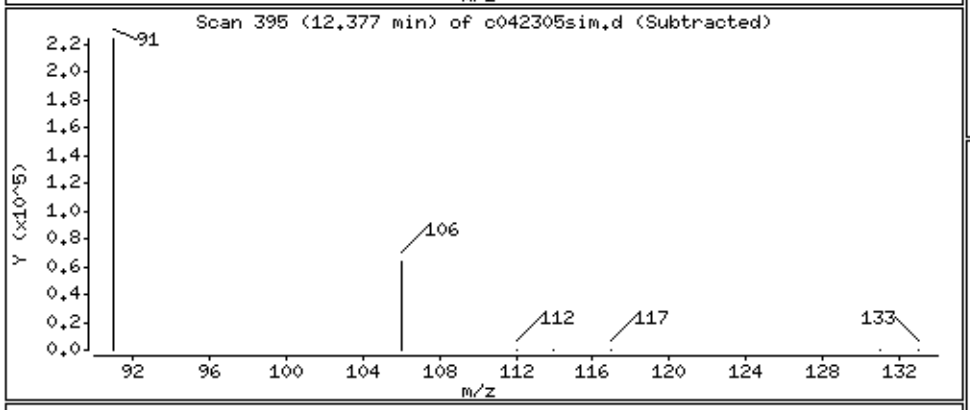
Column diameter: 0.25

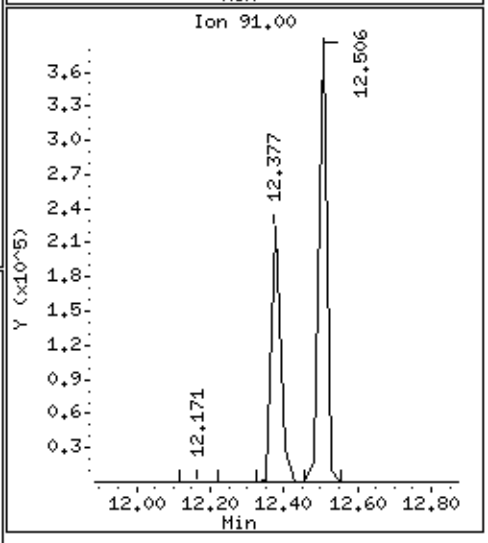
31 Ethylbenzene-CCC

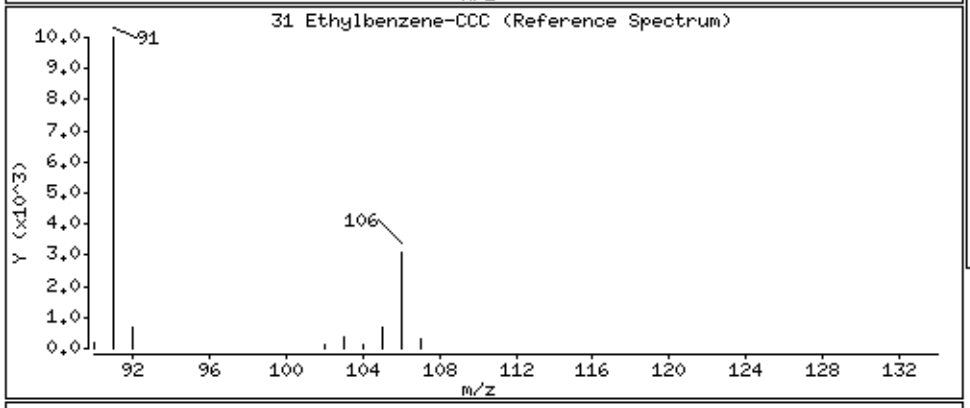
Concentration: 9.28306 ug

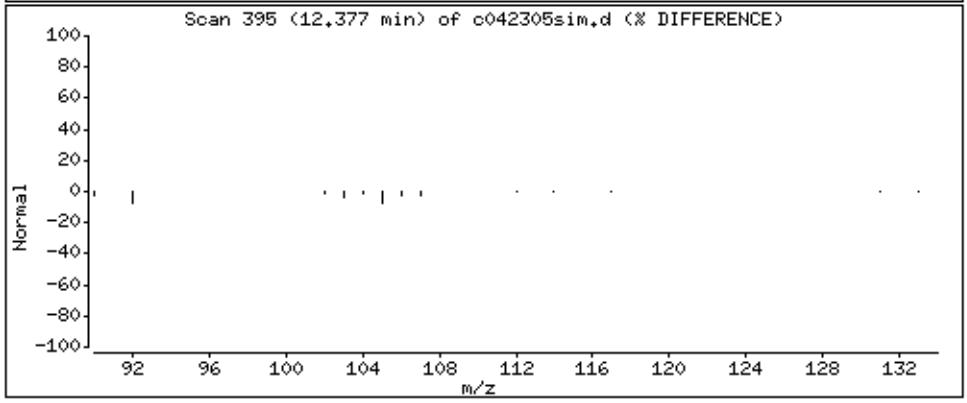












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

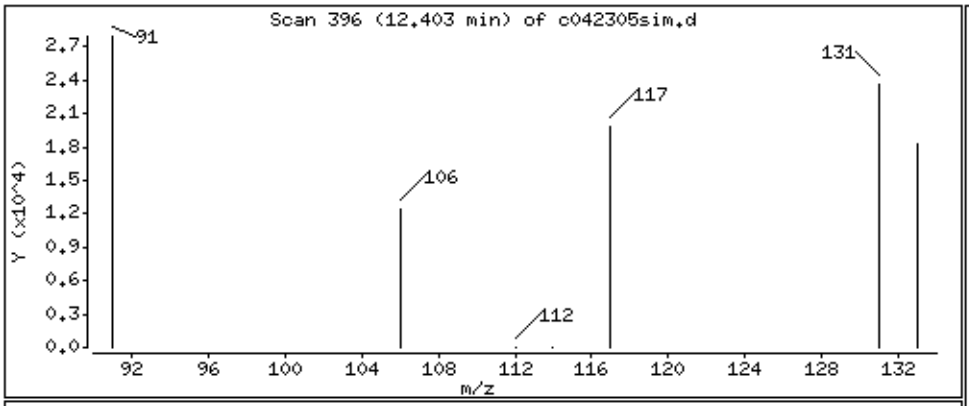
Operator: gm

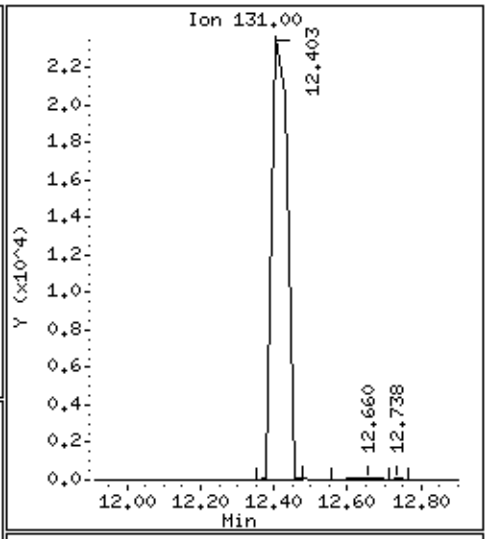
Column phase: DB-5.625

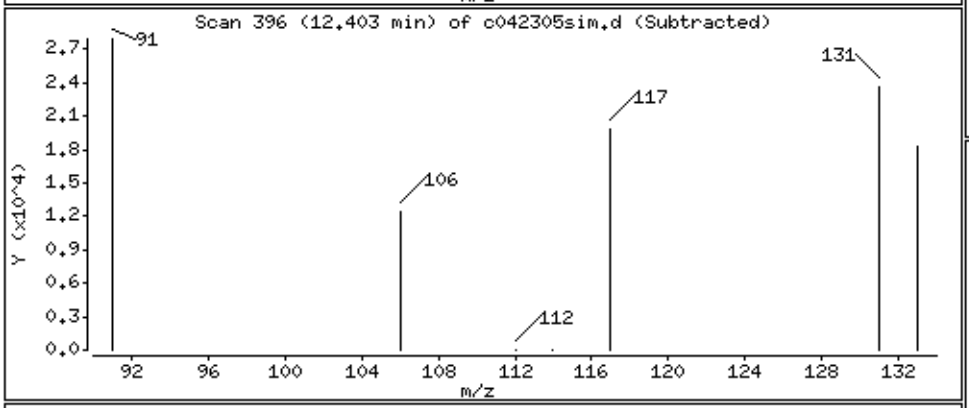
Column diameter: 0.25

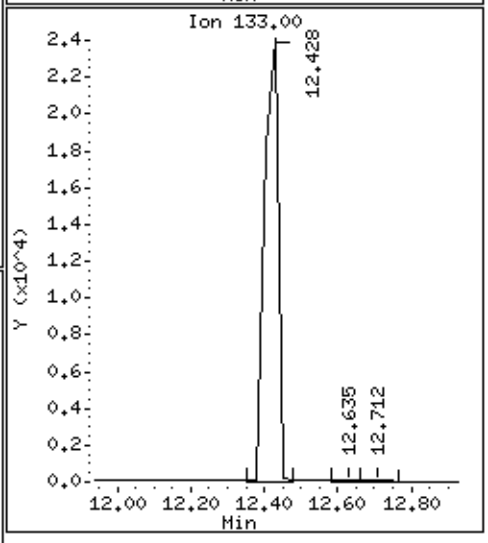
32 1,1,1,2-Tetrachloroethane

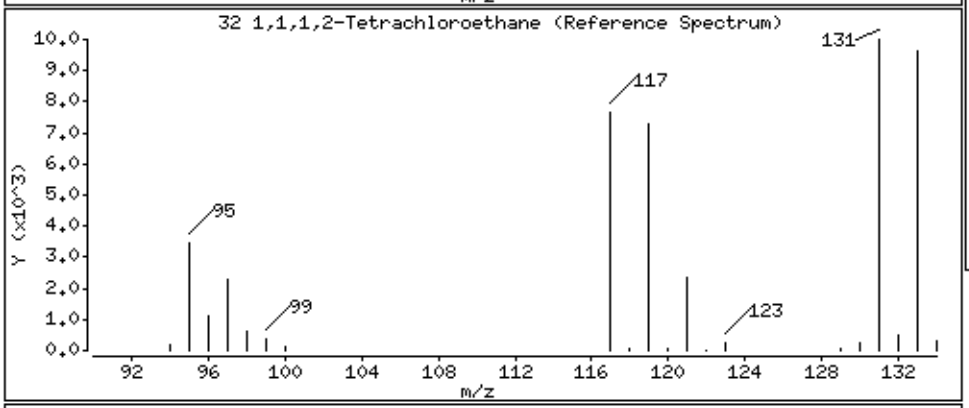
Concentration: 8.28973 ug

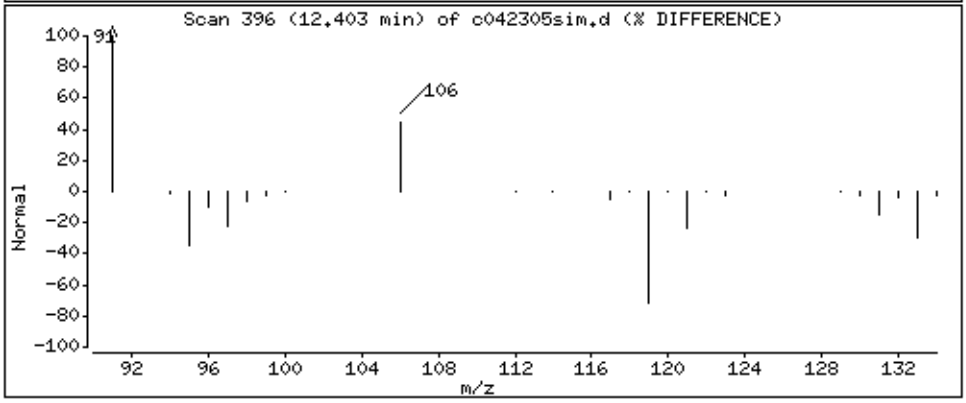












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

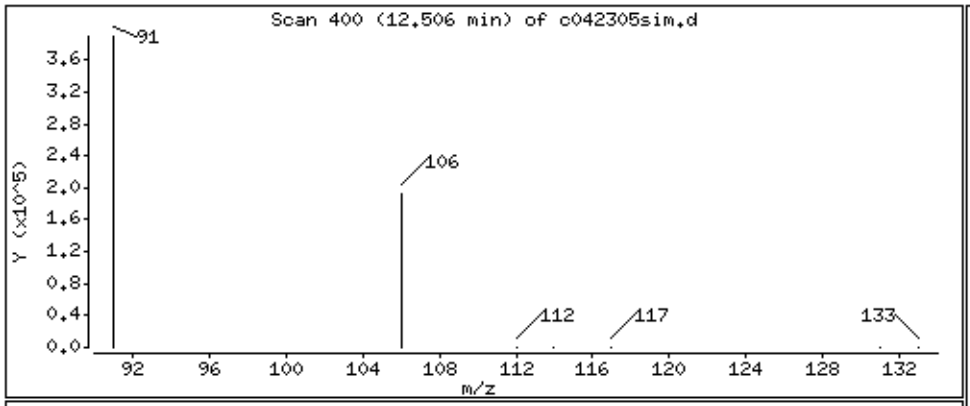
Operator: gm

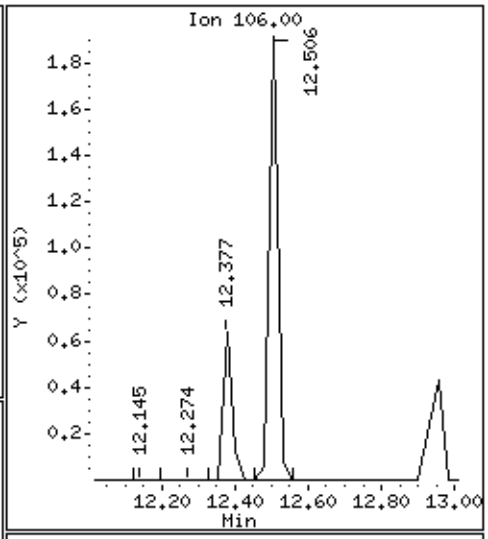
Column phase: DB-5.625

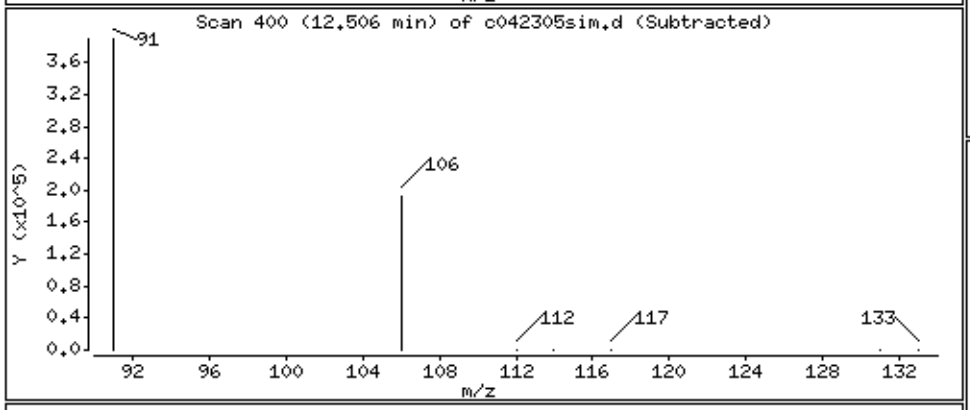
Column diameter: 0.25

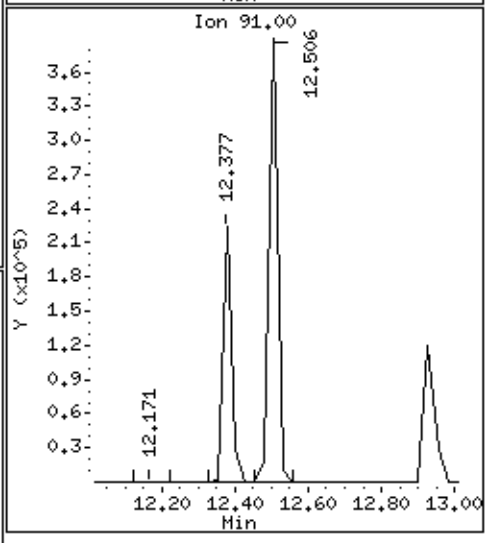
33 m,p-Xylene

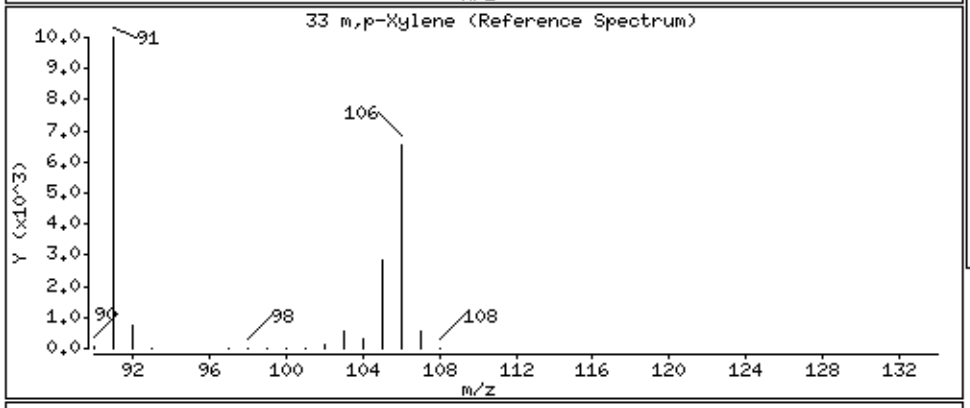
Concentration: 17.8621 ug

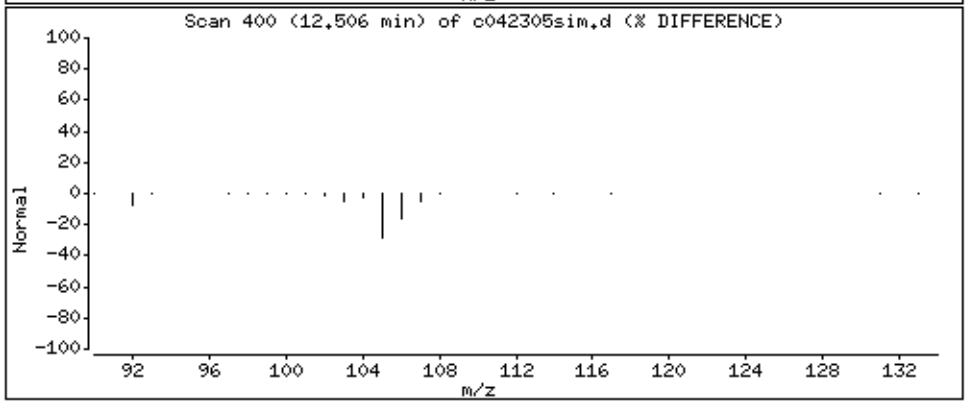












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

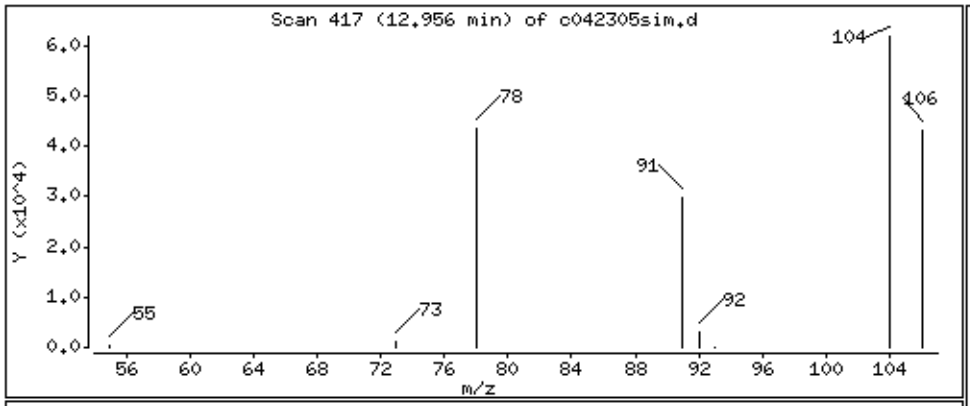
Operator: gm

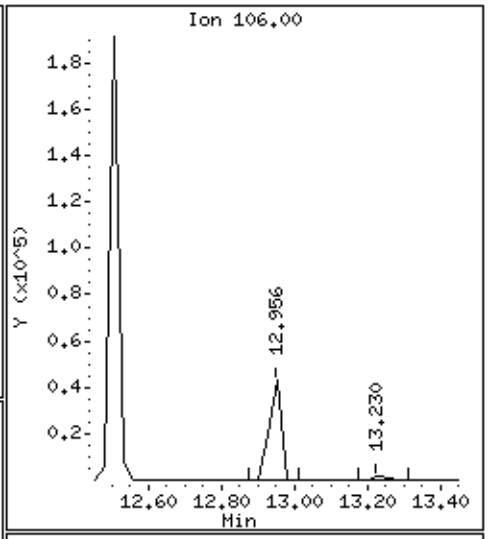
Column phase: DB-5.625

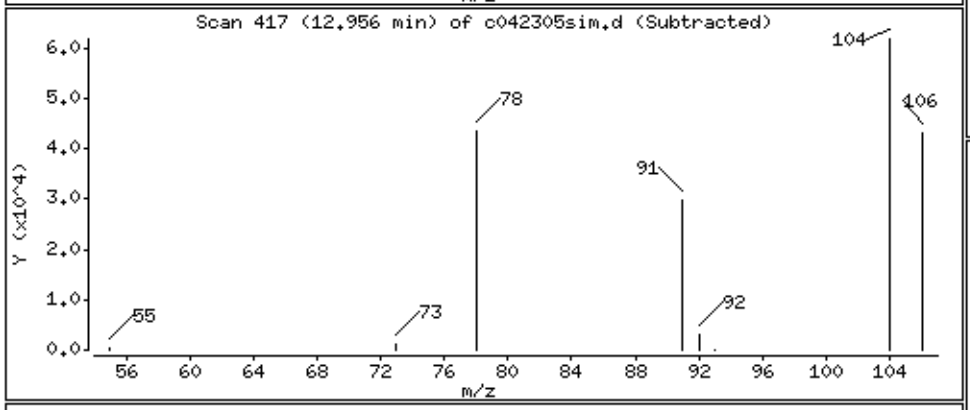
Column diameter: 0.25

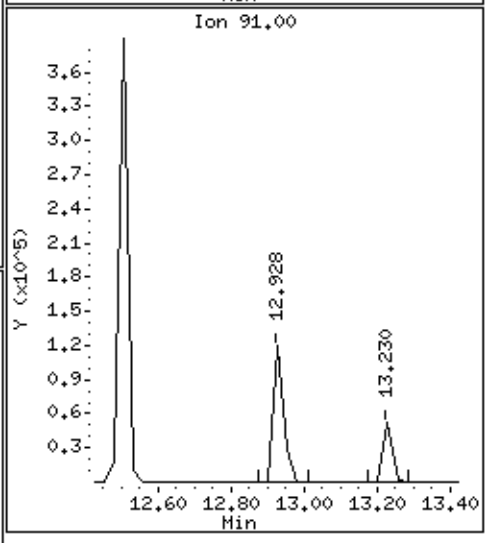
34 o-Xylene

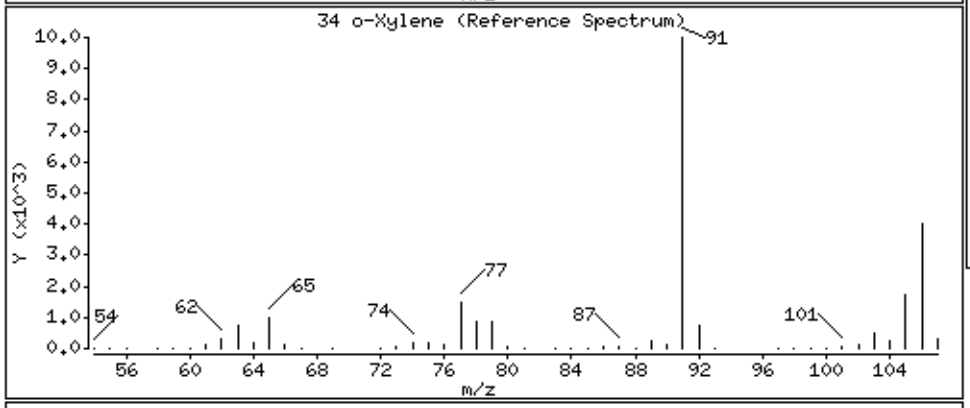
Concentration: 7.37432 ug

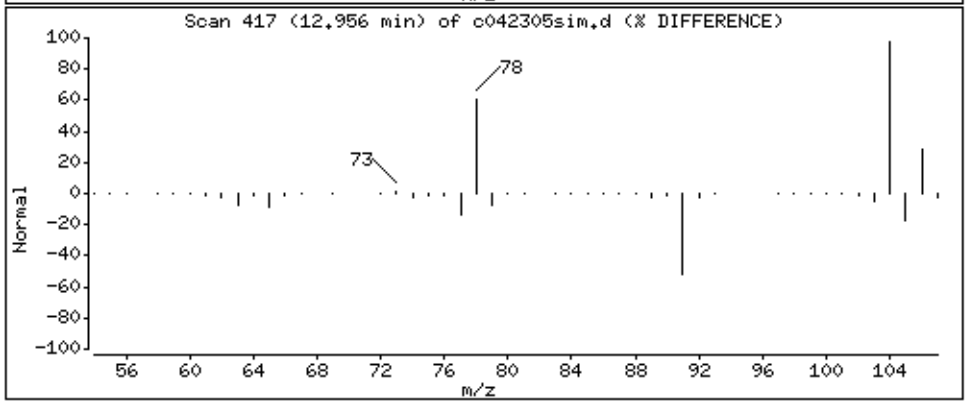












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

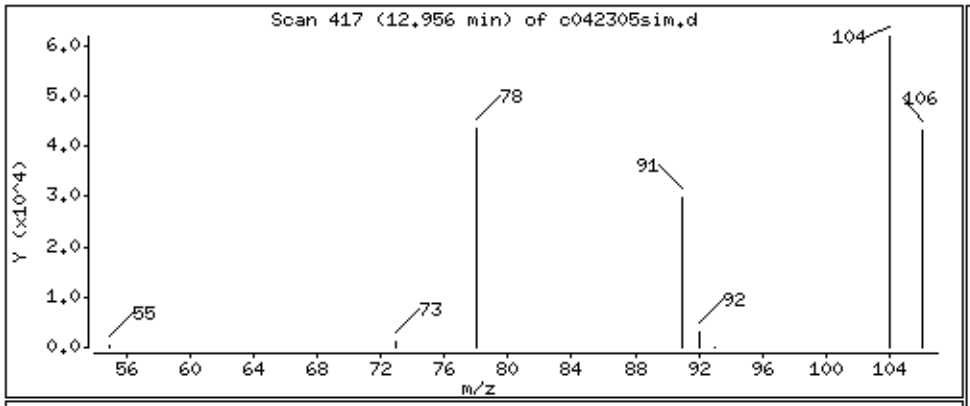
Operator: gm

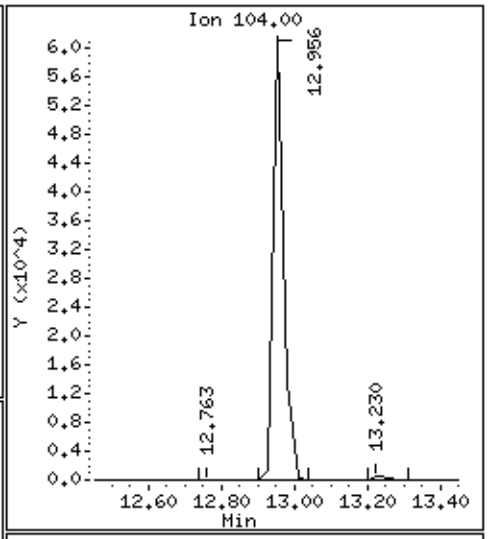
Column phase: DB-5.625

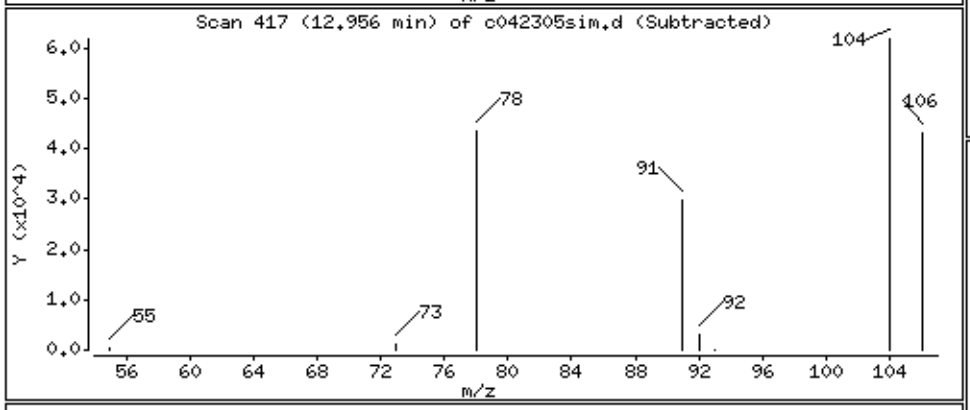
Column diameter: 0.25

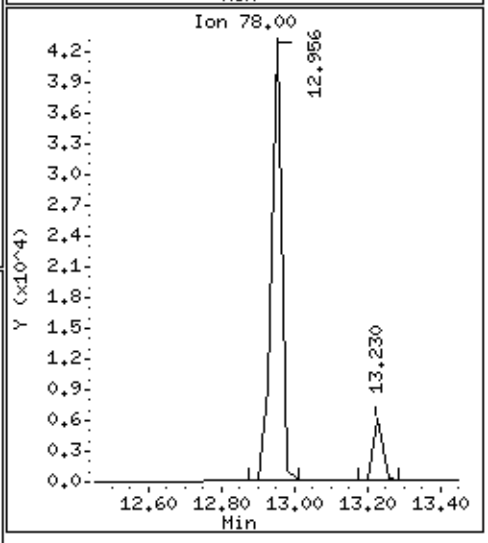
35 Styrene

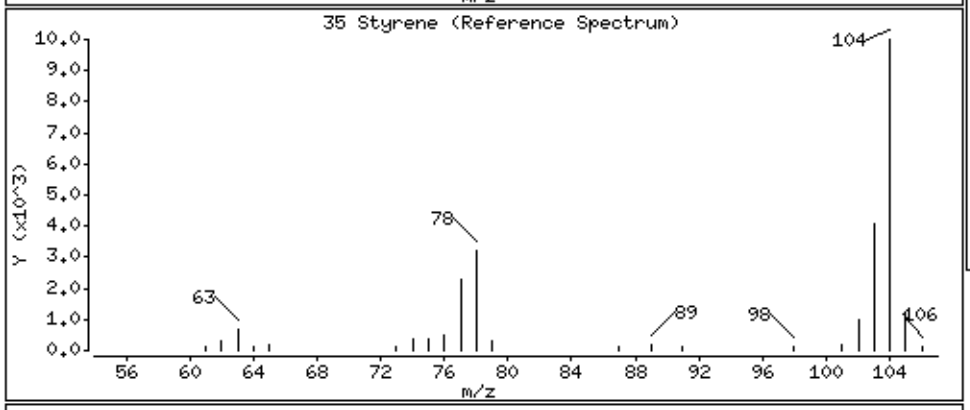
Concentration: 5.32708 ug

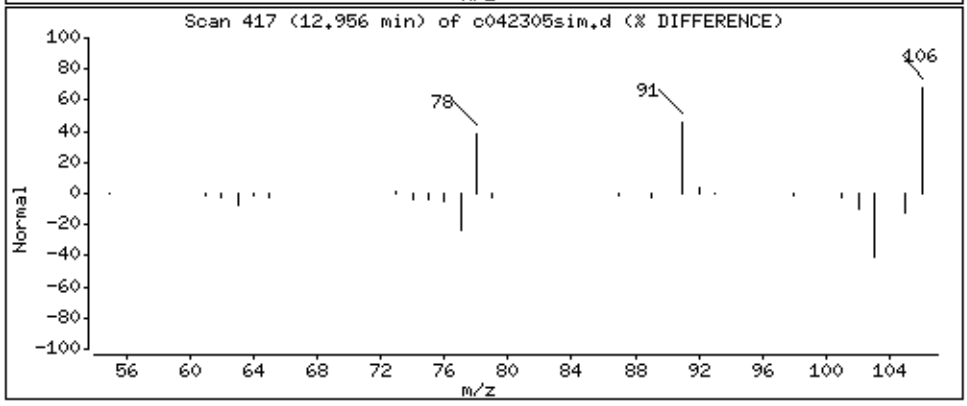












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

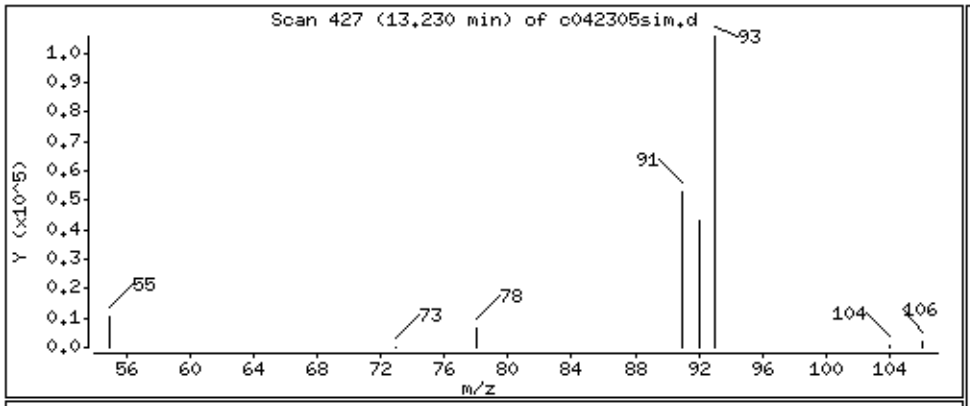
Operator: gm

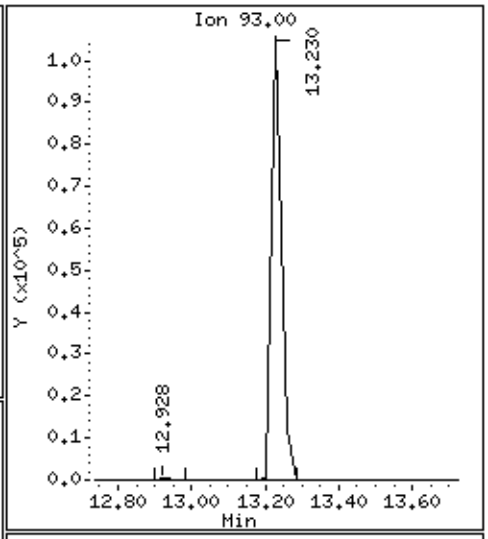
Column phase: DB-5.625

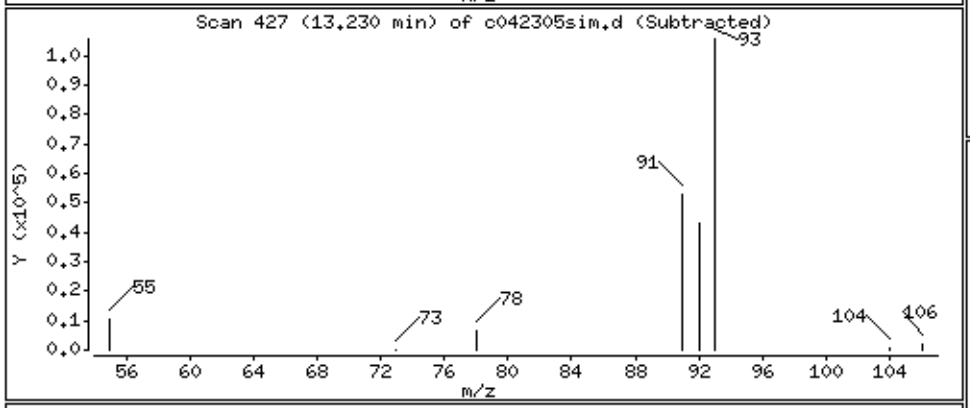
Column diameter: 0.25

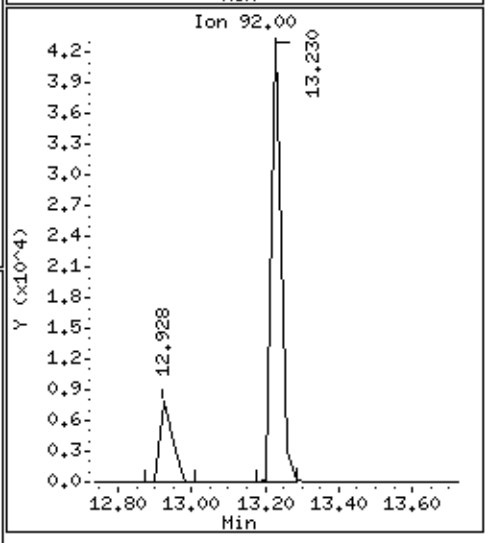
36 a-Pinene

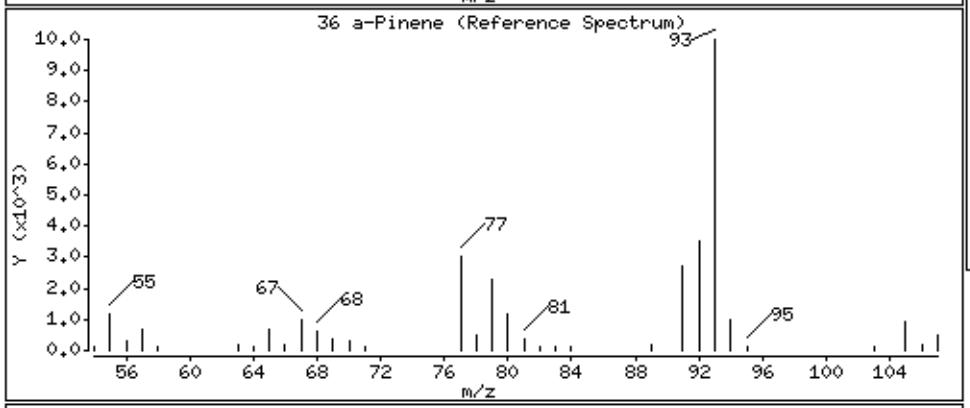
Concentration: 11.7322 ug

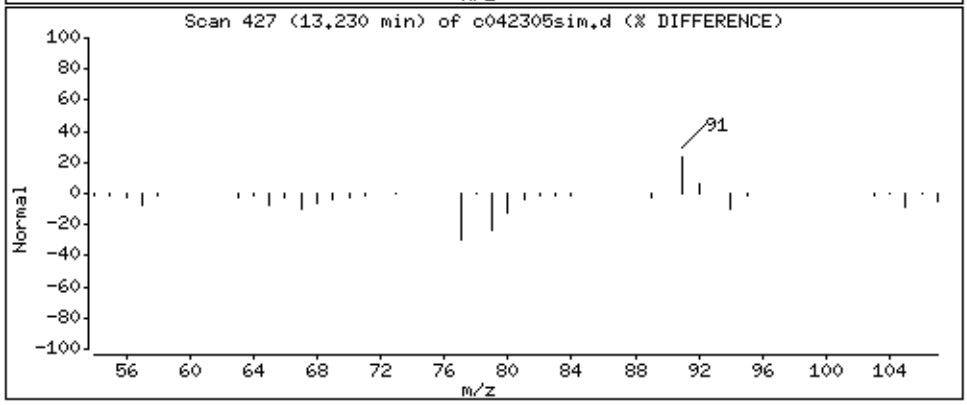












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

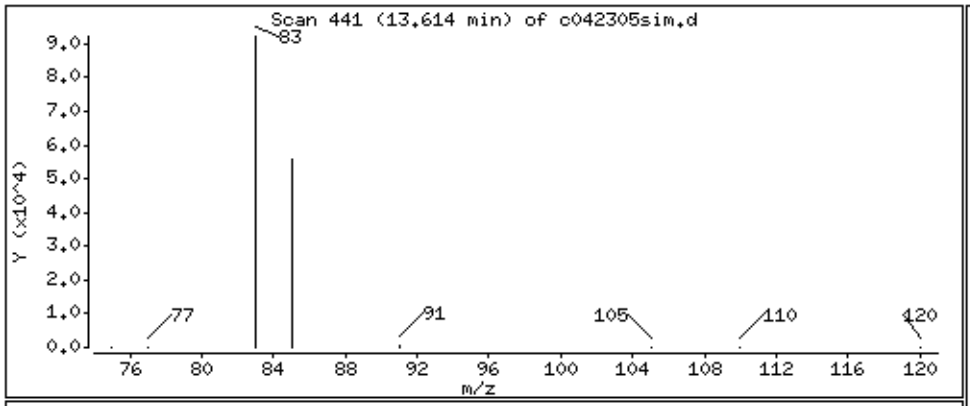
Operator: gm

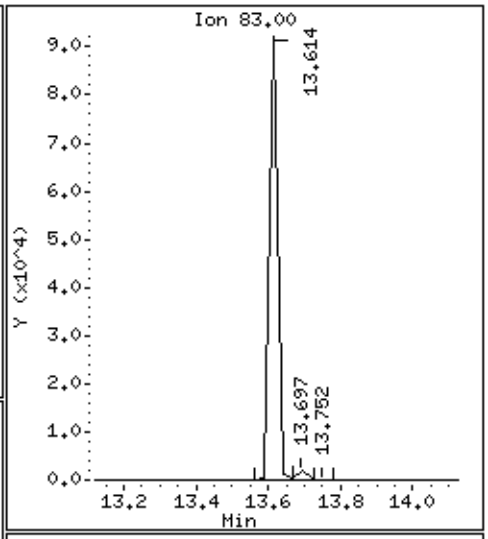
Column phase: DB-5.625

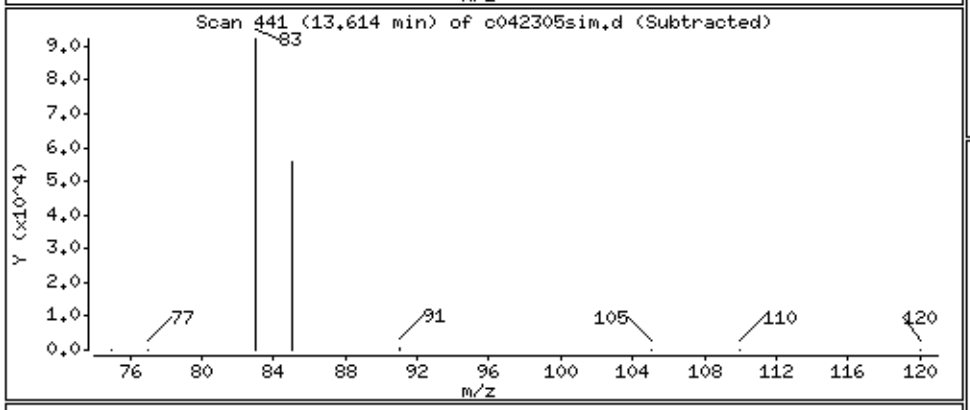
Column diameter: 0.25

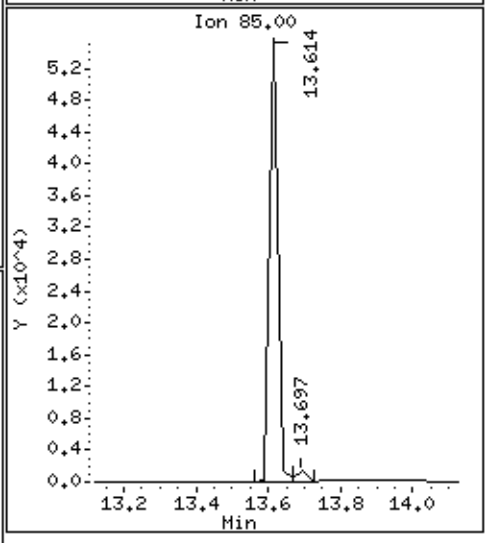
37 1,1,2,2-Tetrachloroethane-SPC

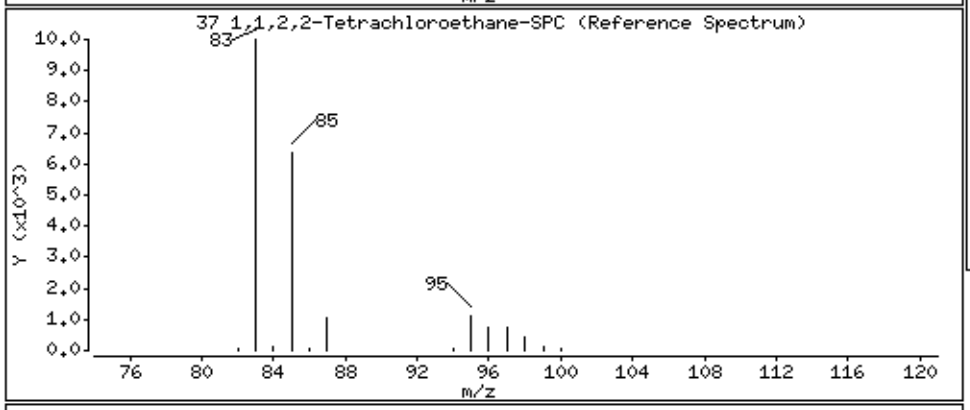
Concentration: 8.89187 ug

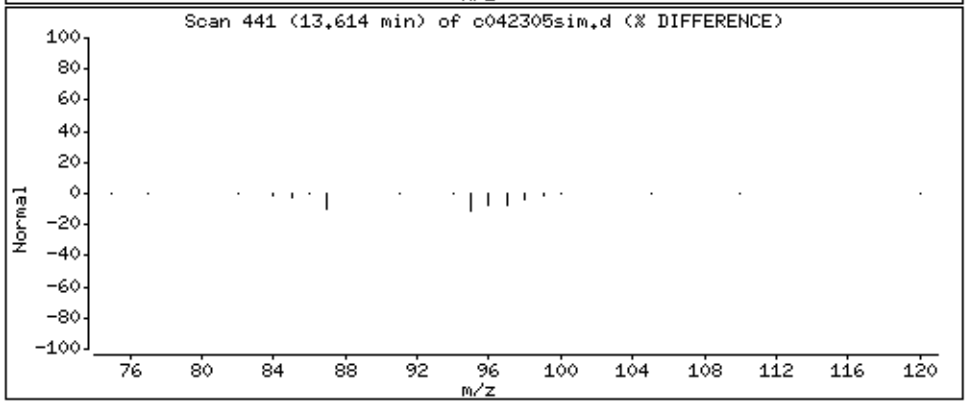












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

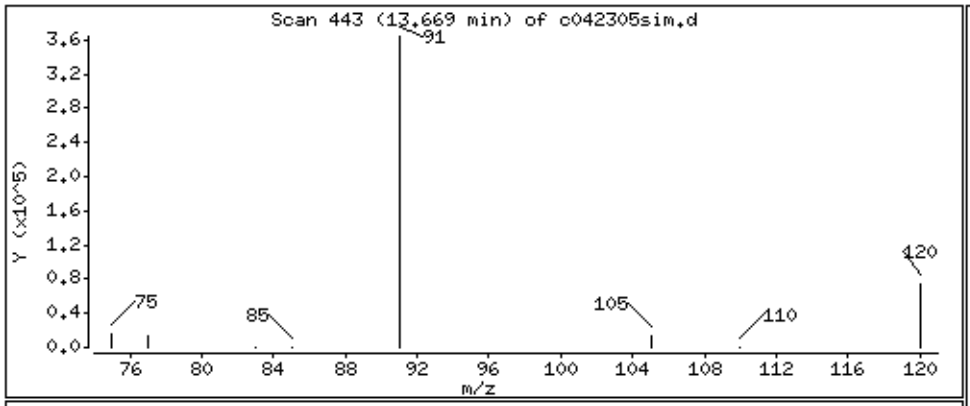
Operator: gm

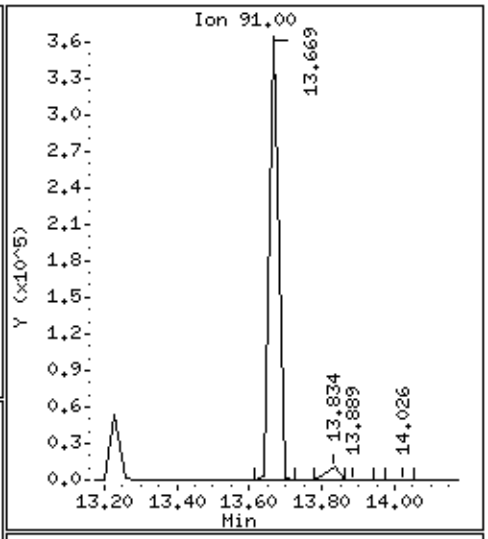
Column phase: DB-5.625

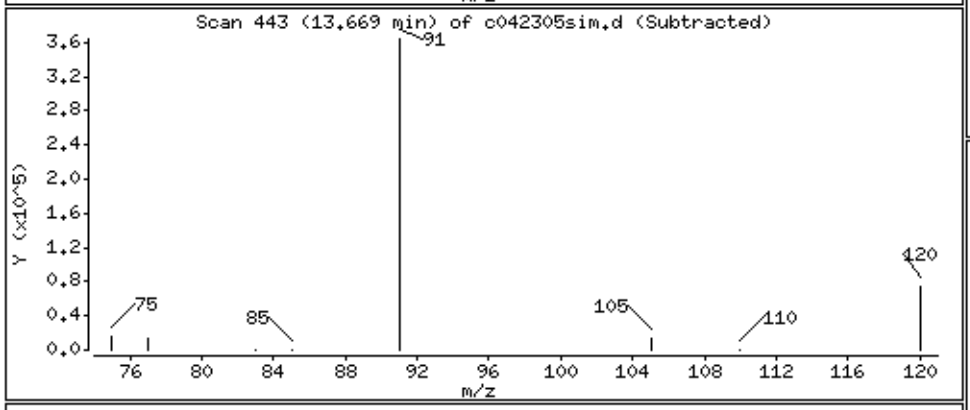
Column diameter: 0.25

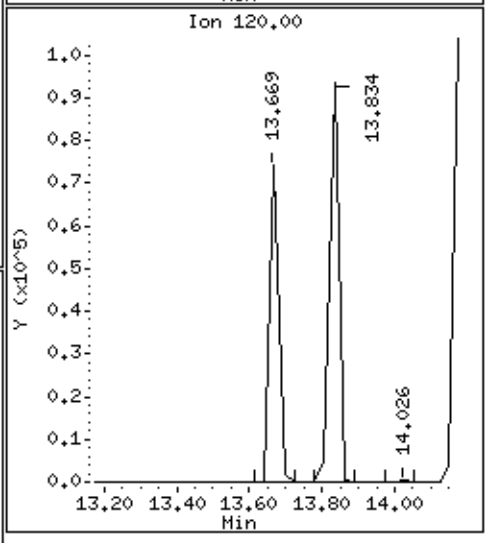
38 Propylbenzene

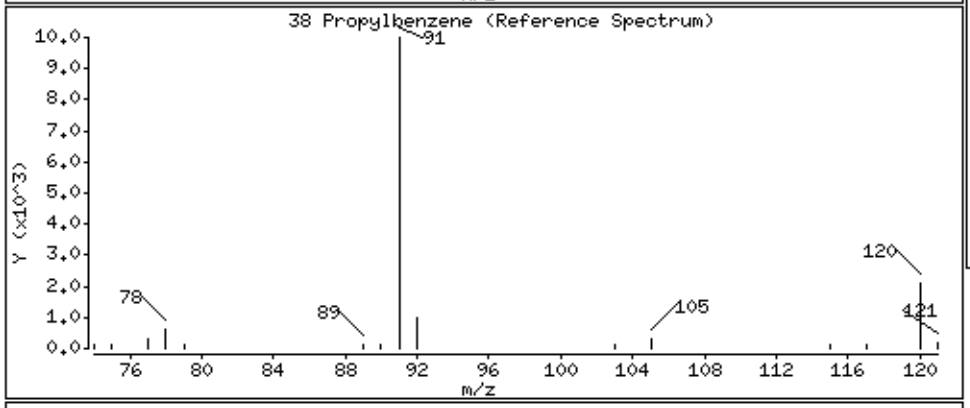
Concentration: 8.98959 ug

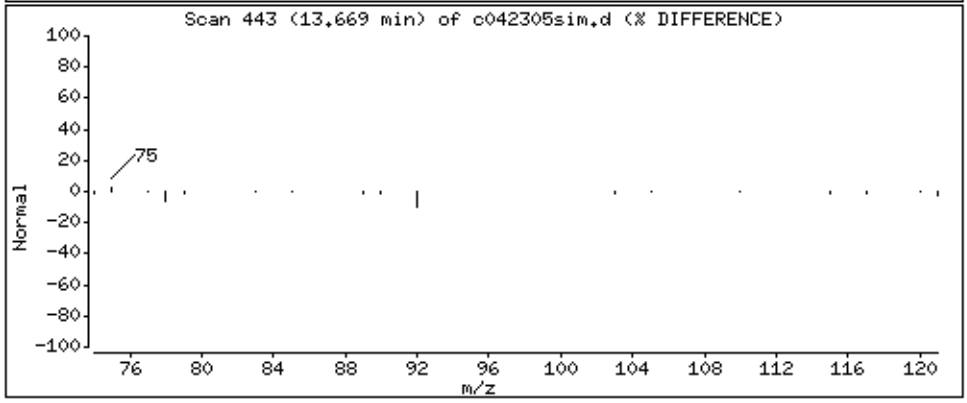












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

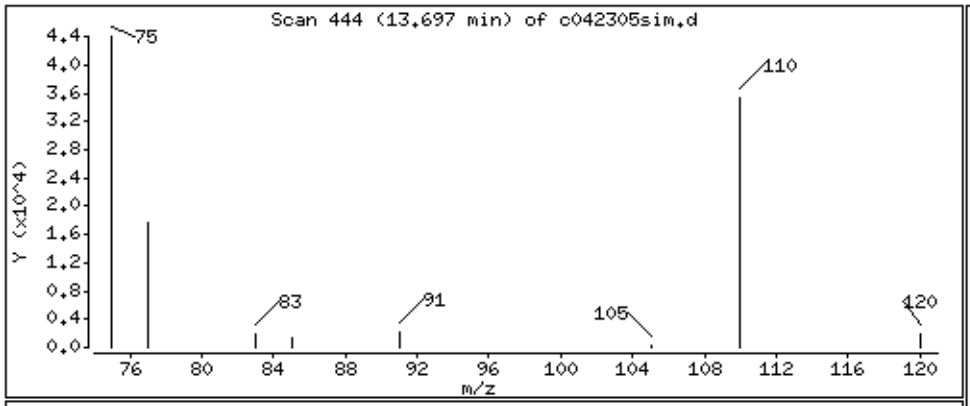
Operator: gm

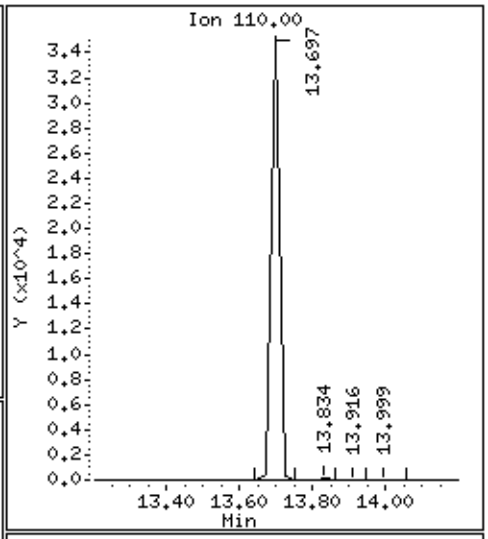
Column phase: DB-5.625

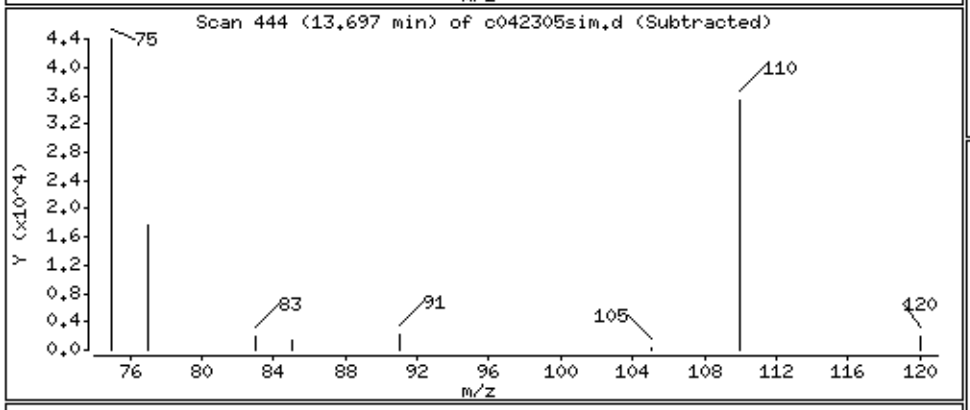
Column diameter: 0.25

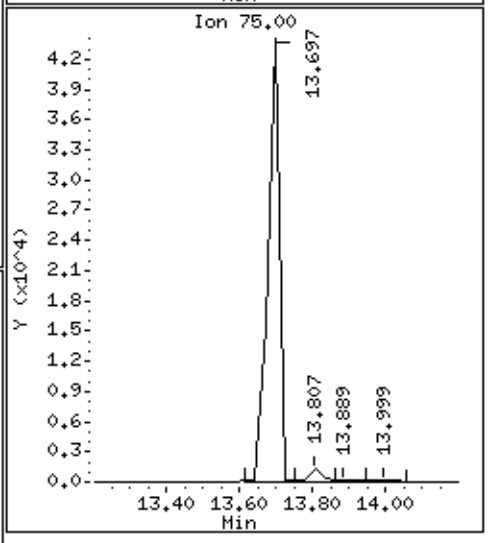
39 1,2,3-Trichloropropane

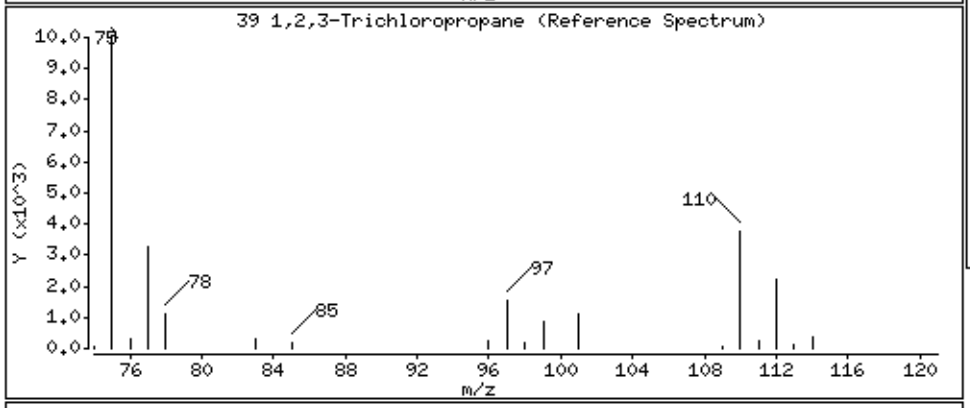
Concentration: 8.72105 ug

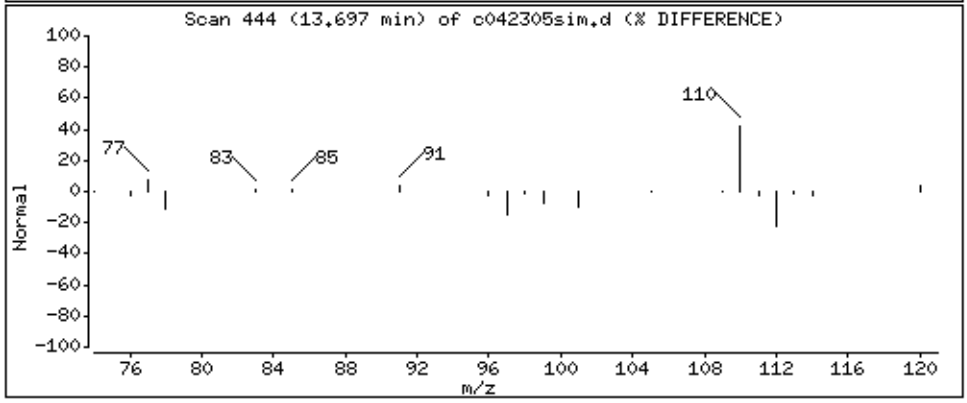












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

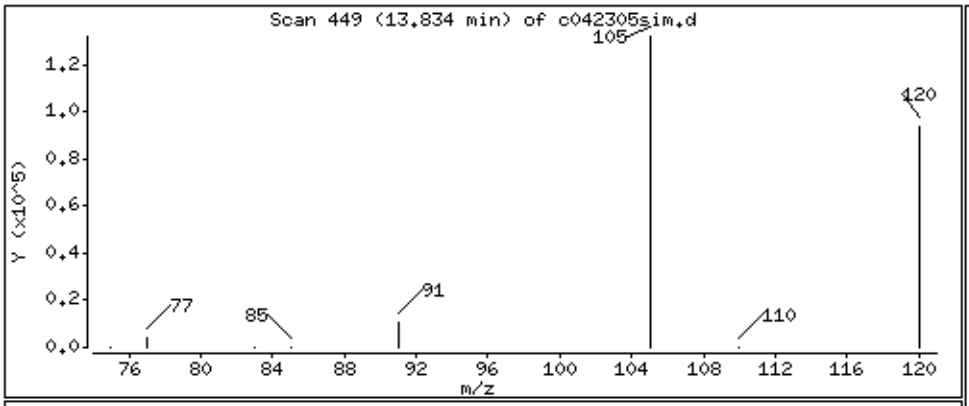
Operator: gm

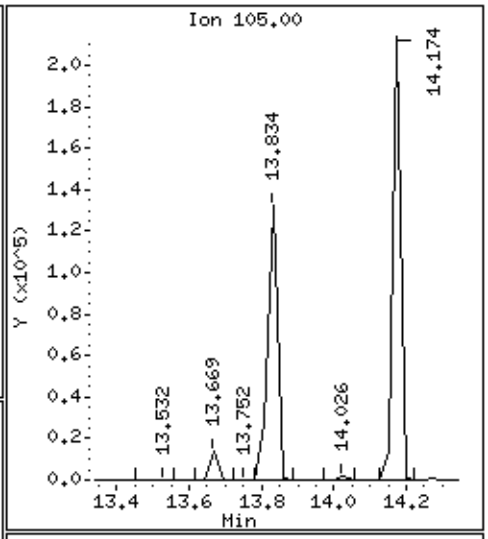
Column phase: DB-5.625

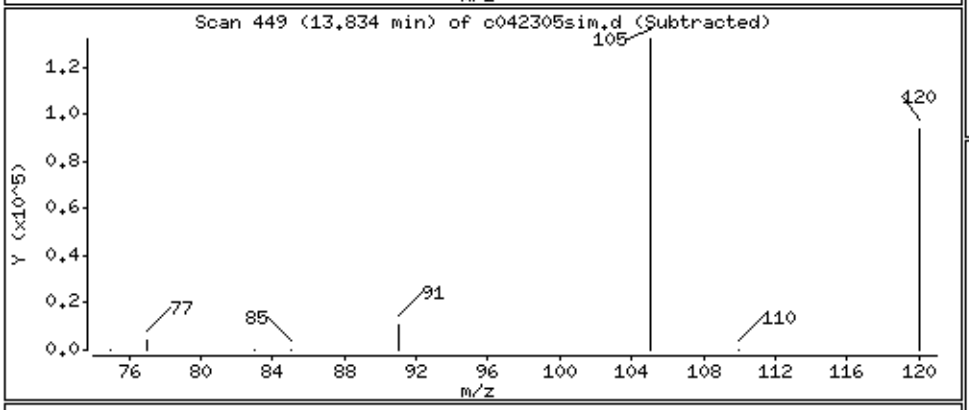
Column diameter: 0.25

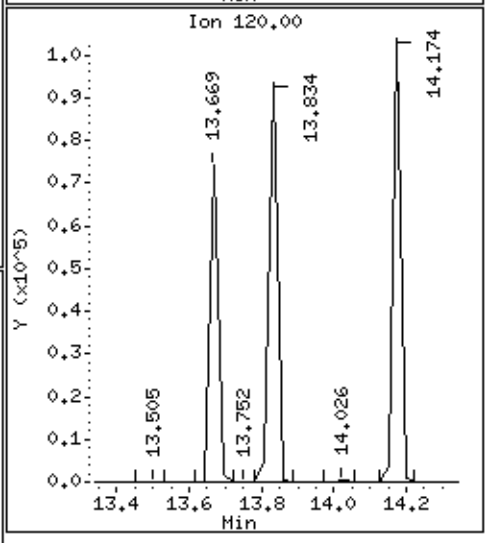
40 1,3,5-Trimethylbenzene

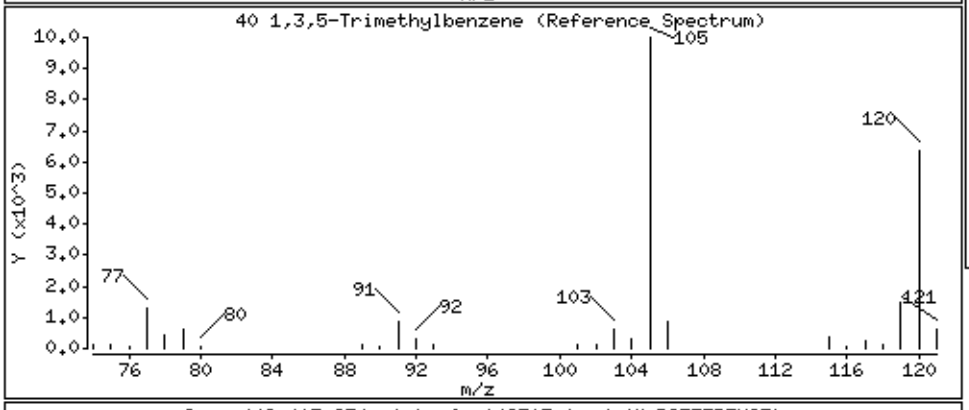
Concentration: 8.23459 ug

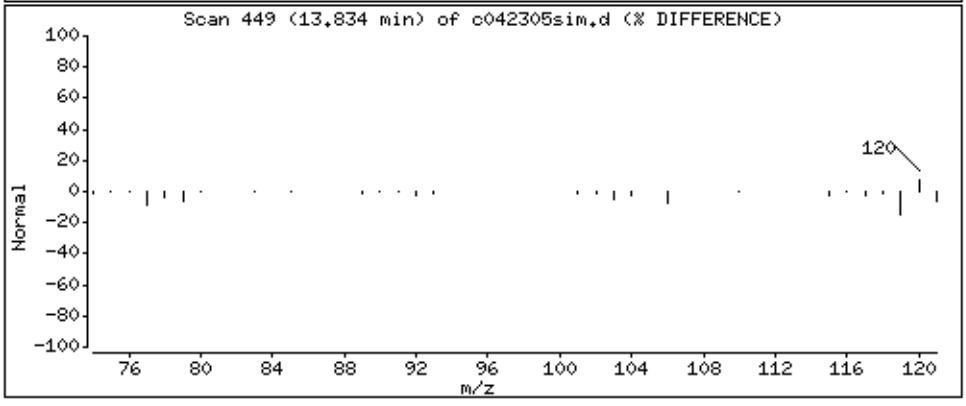












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

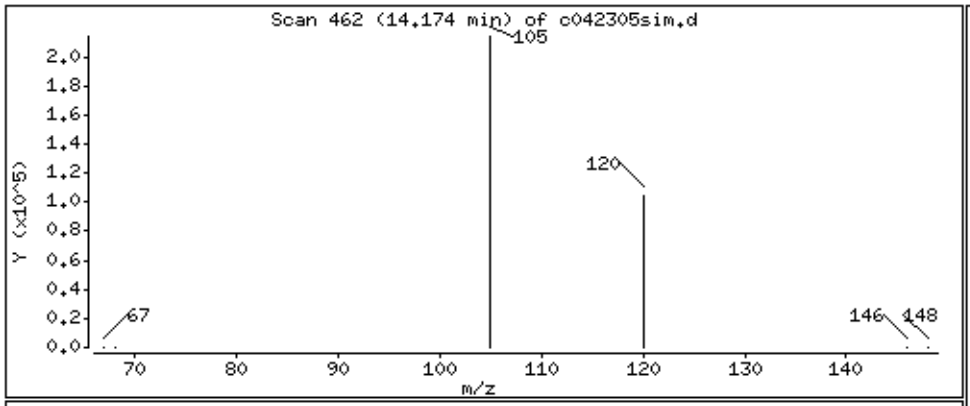
Operator: gm

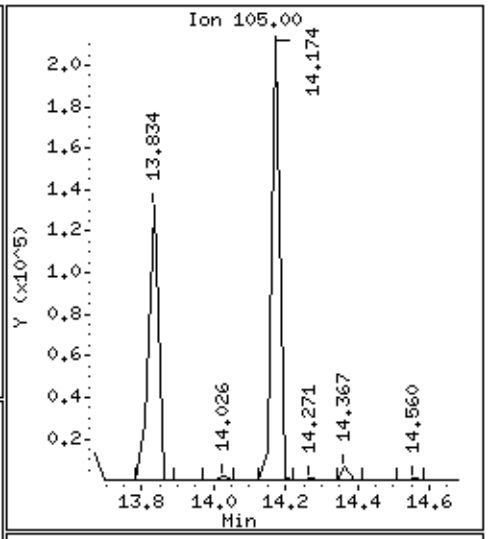
Column phase: DB-5.625

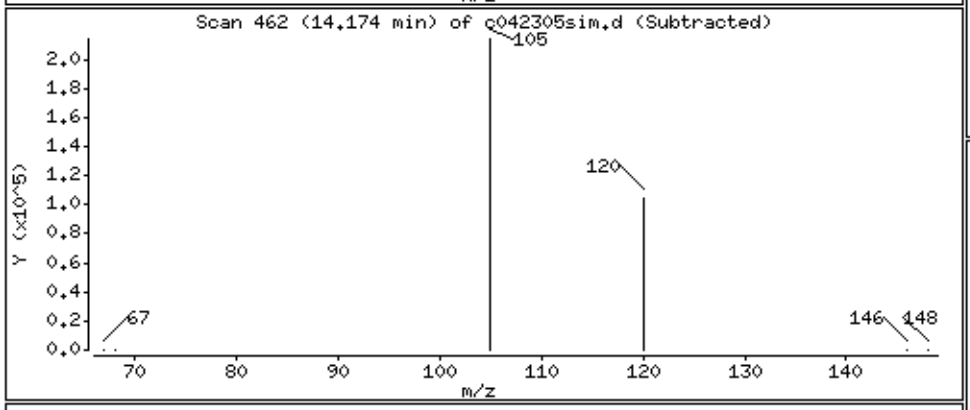
Column diameter: 0.25

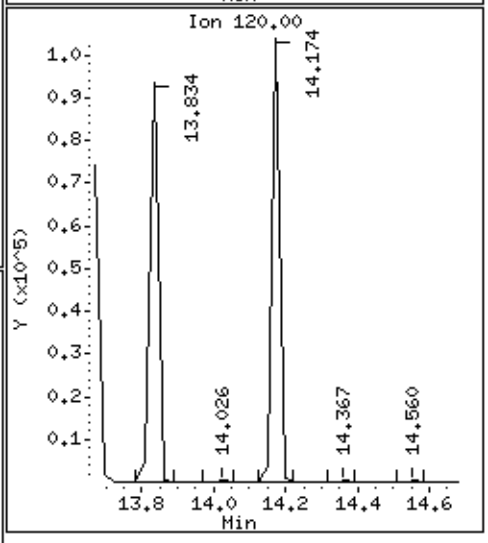
41 1,2,4-Trimethylbenzene

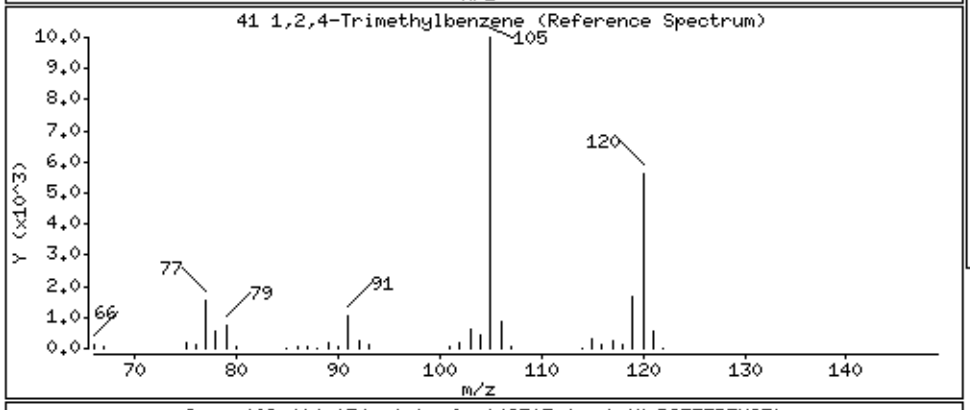
Concentration: 8.22414 ug

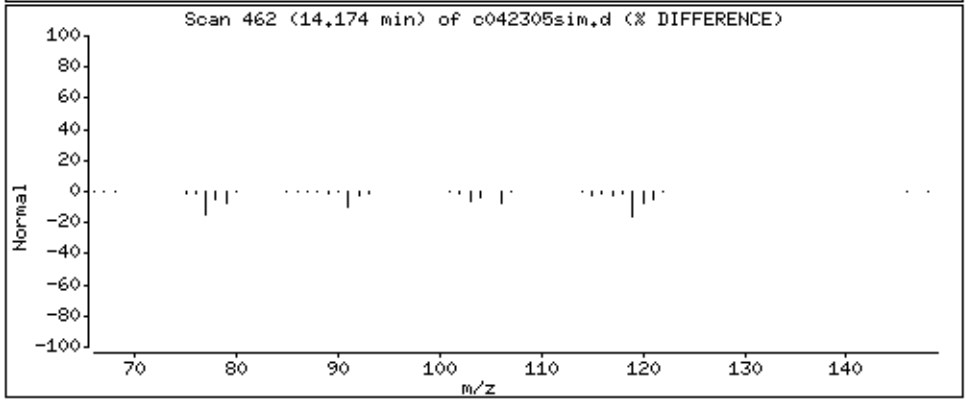












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

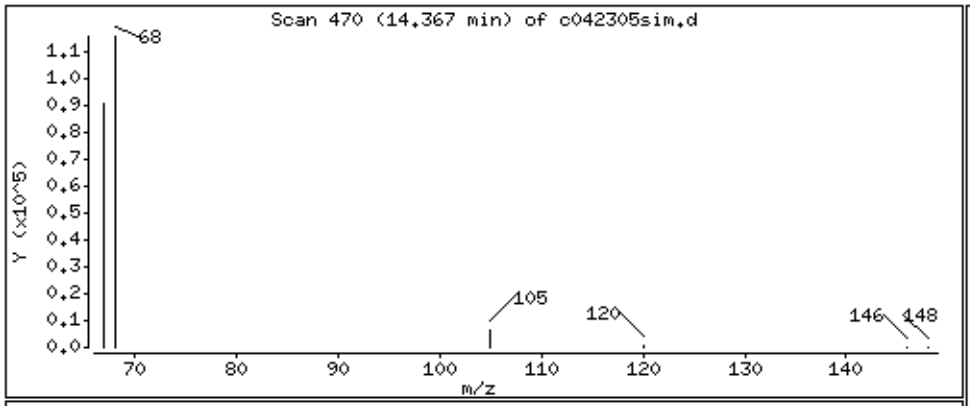
Operator: gm

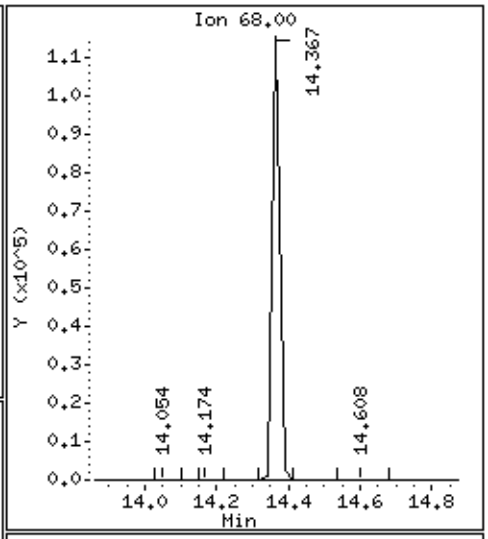
Column phase: DB-5.625

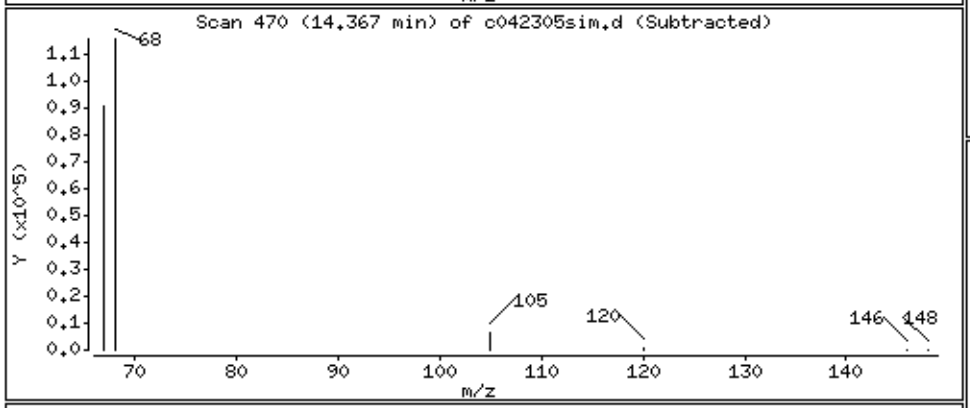
Column diameter: 0.25

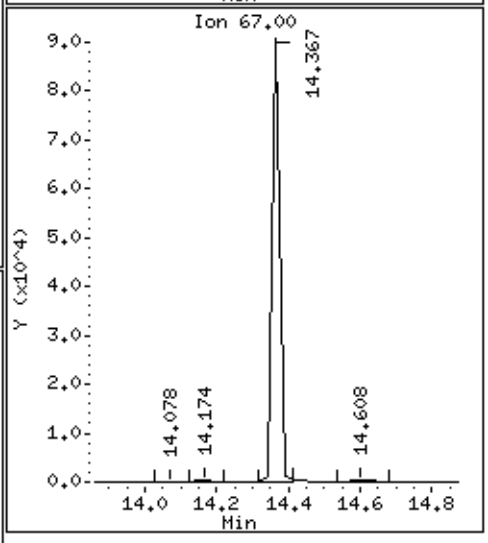
42 R-(+)-Limonene

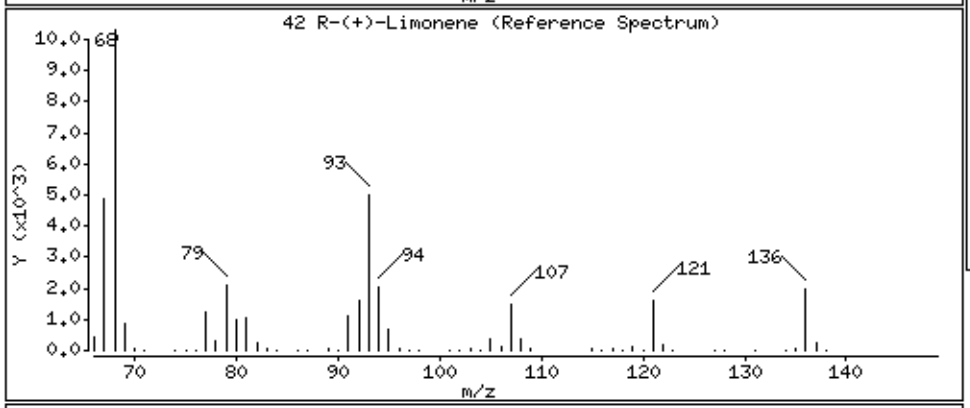
Concentration: 10.2050 ug

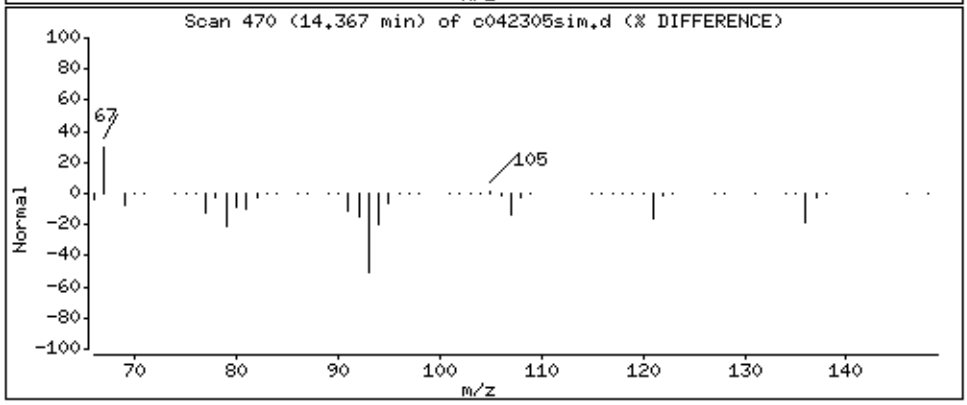












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

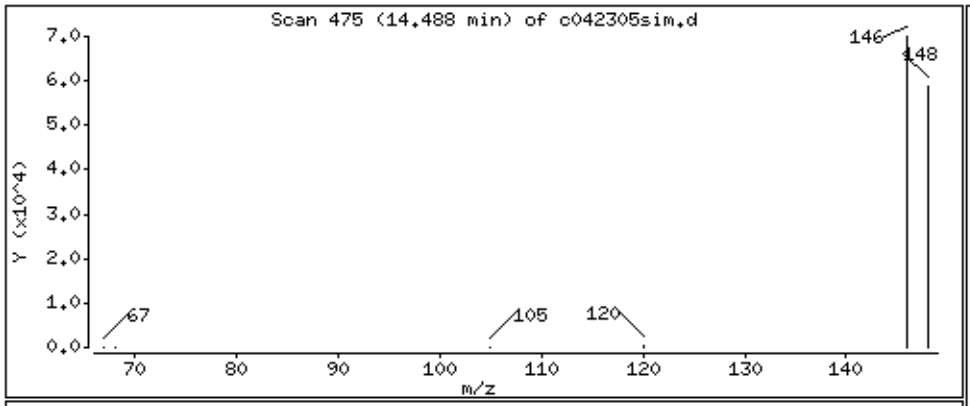
Operator: gm

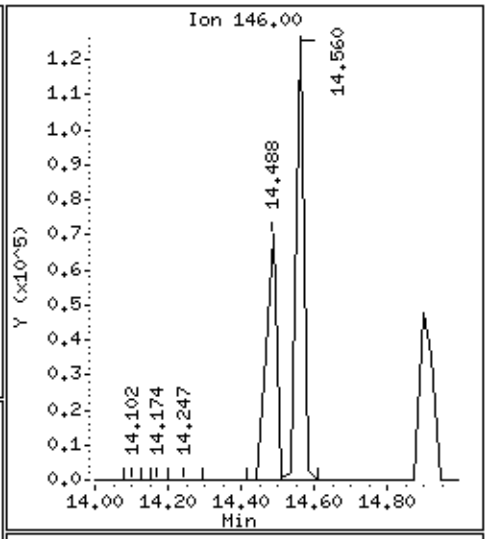
Column phase: DB-5.625

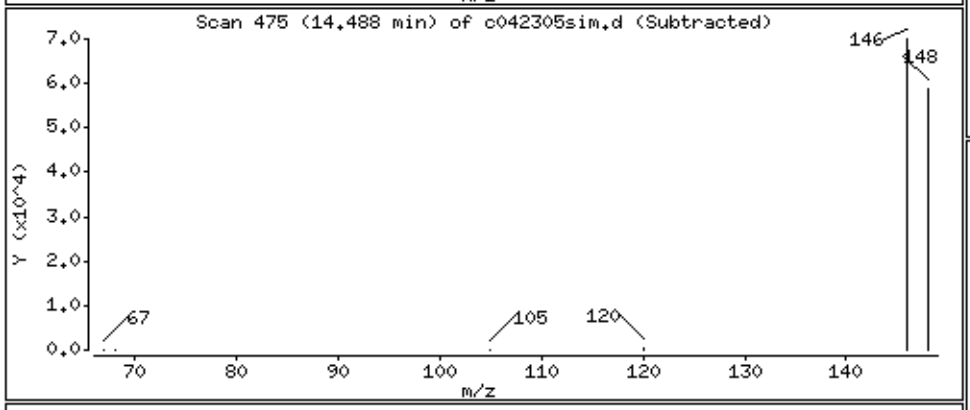
Column diameter: 0.25

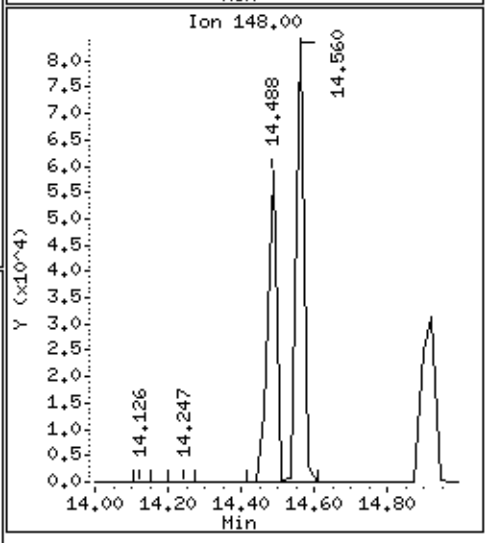
43 1,3-Dichlorobenzene

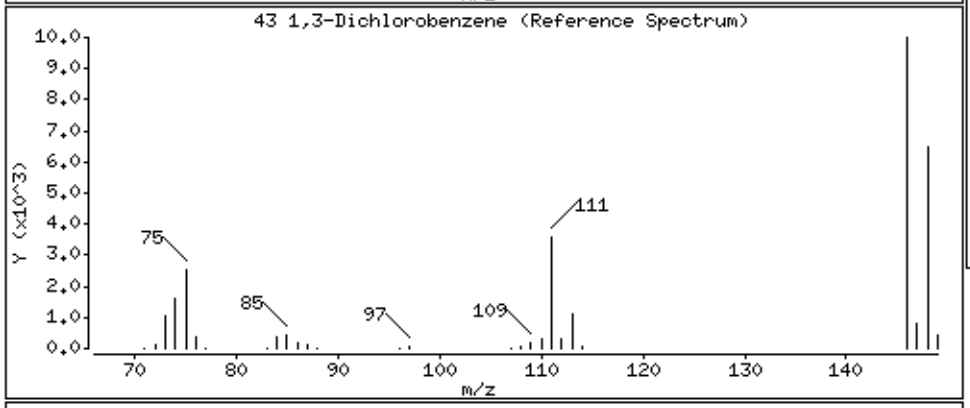
Concentration: 6.51056 ug

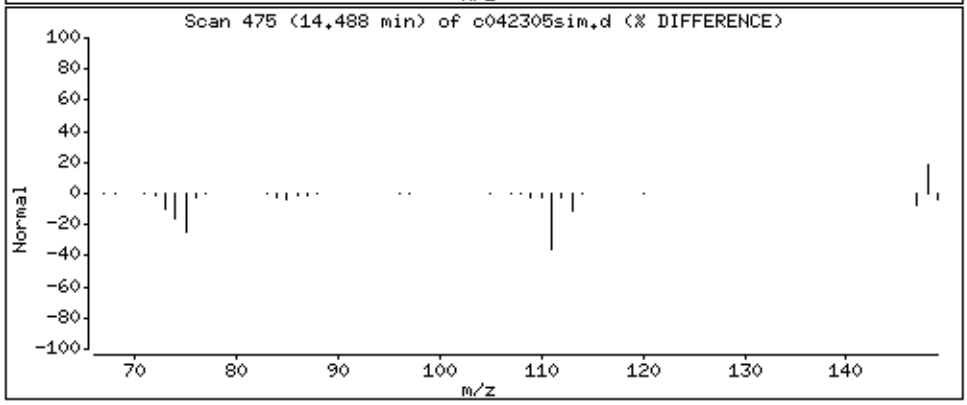












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

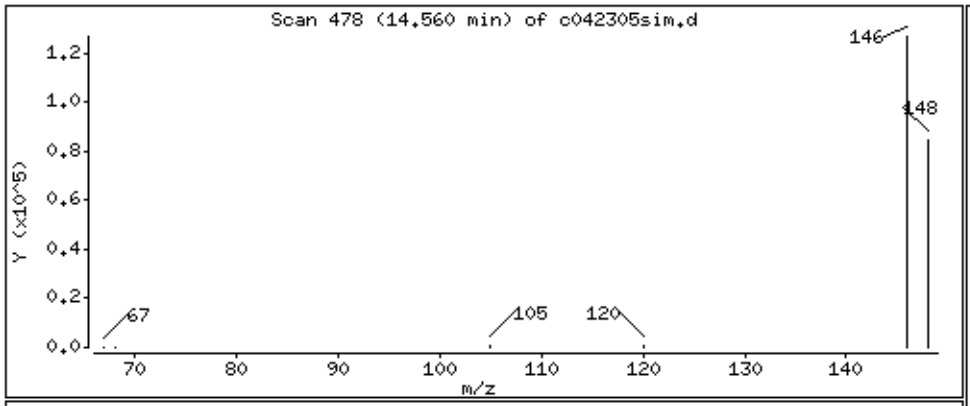
Operator: gm

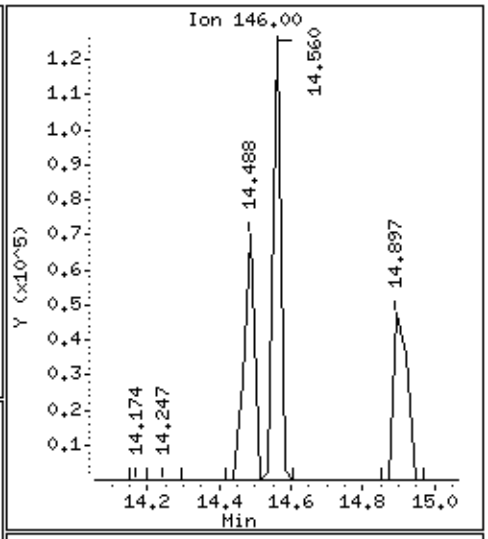
Column phase: DB-5.625

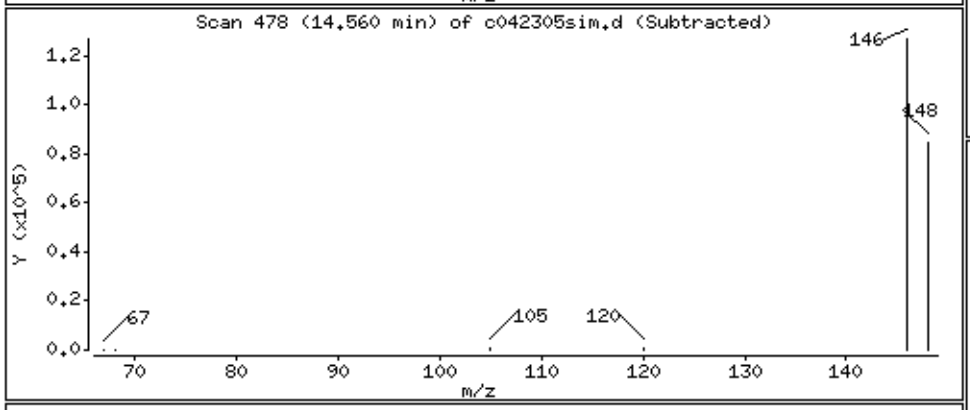
Column diameter: 0.25

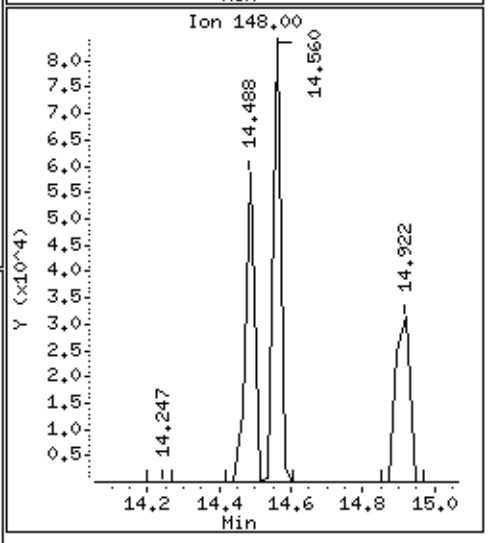
44 1,4-Dichlorobenzene

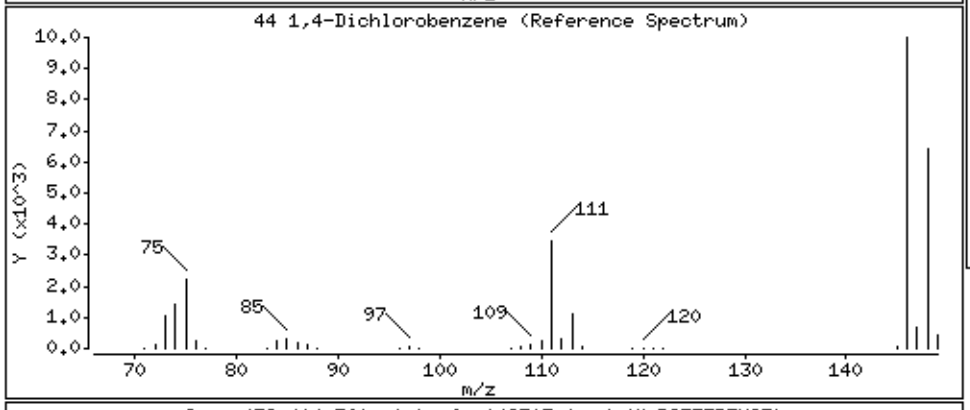
Concentration: 6.67738 ug

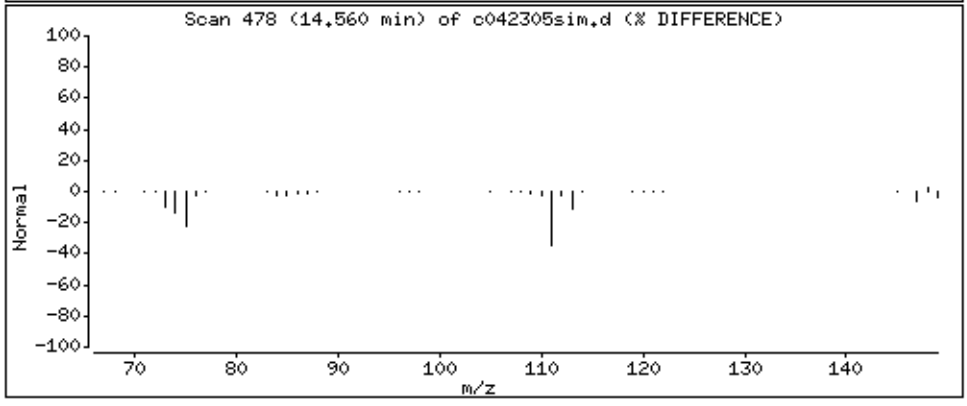












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

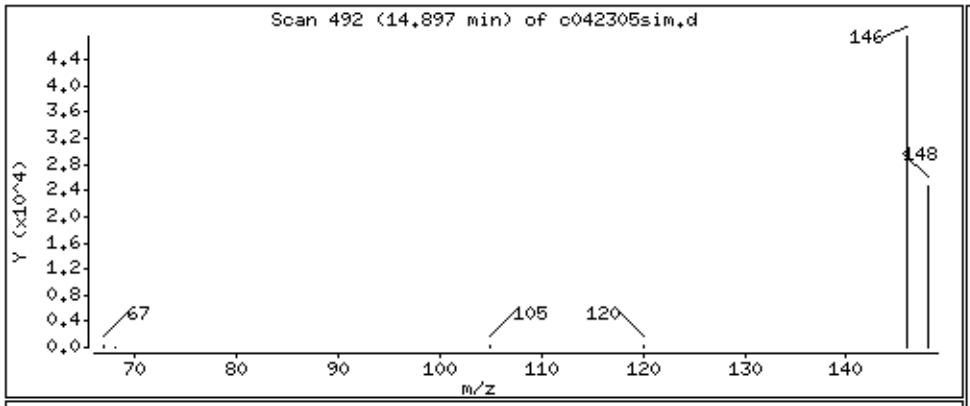
Operator: gm

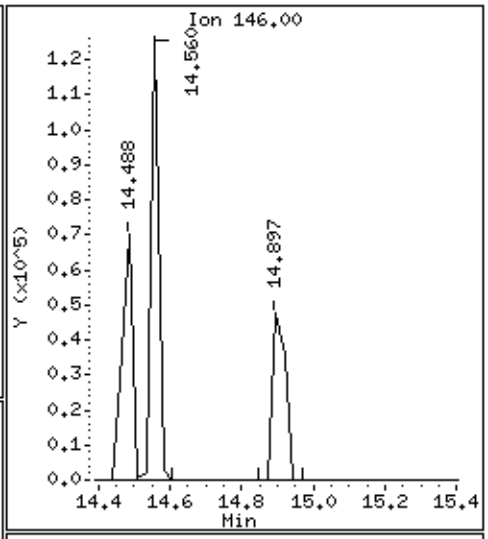
Column phase: DB-5.625

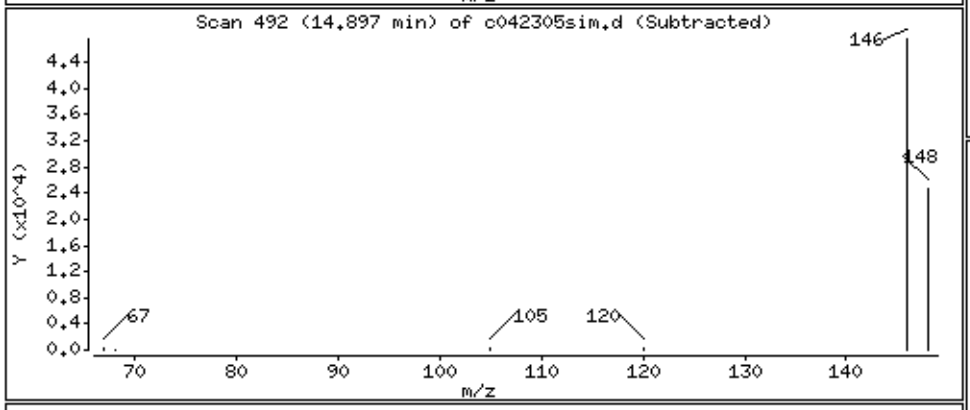
Column diameter: 0.25

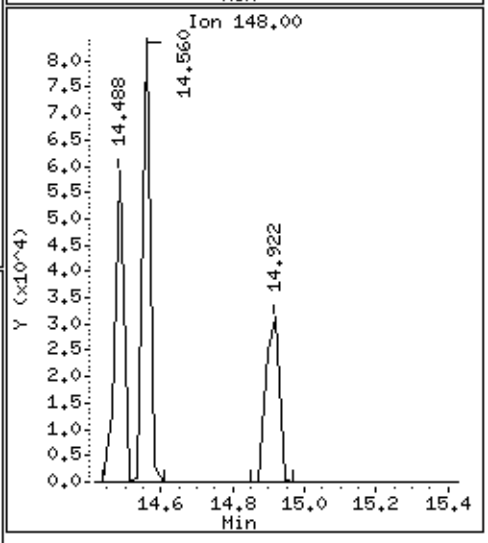
45 1,2-Dichlorobenzene

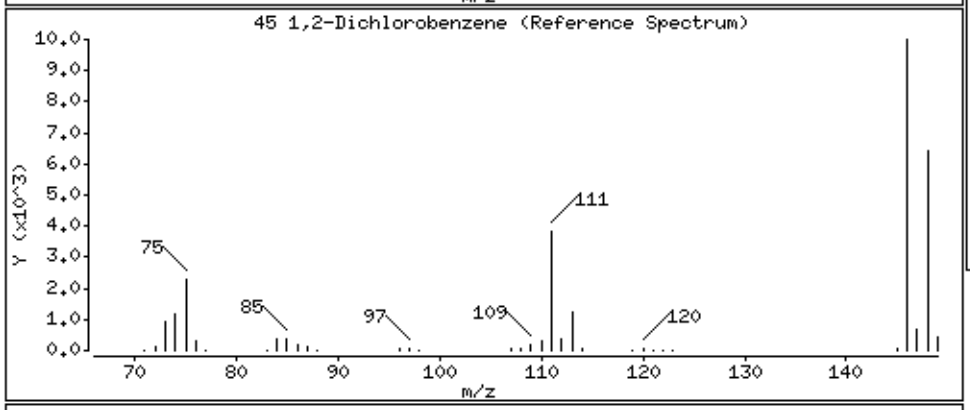
Concentration: 5.97327 ug

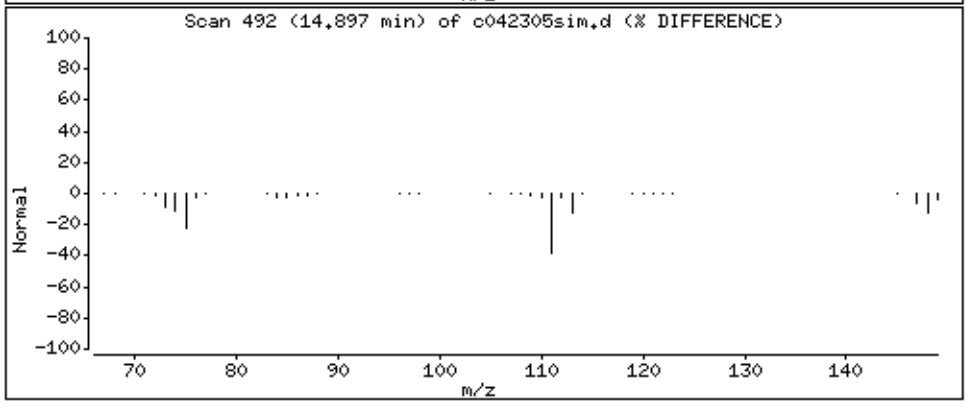












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

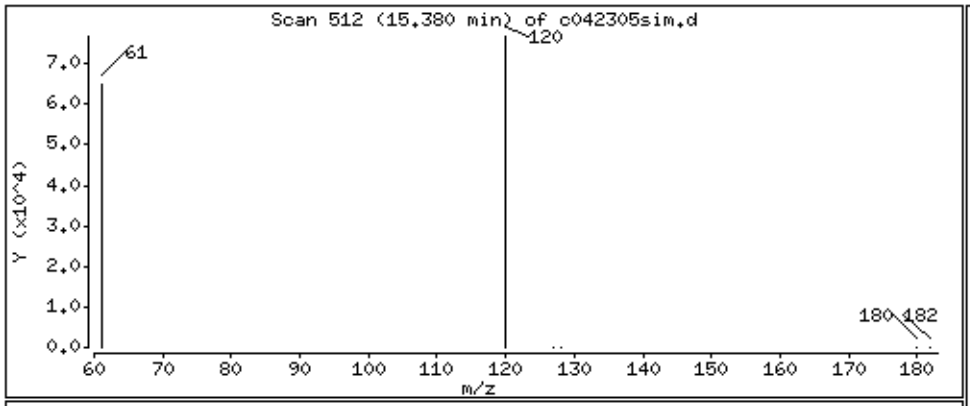
Operator: gm

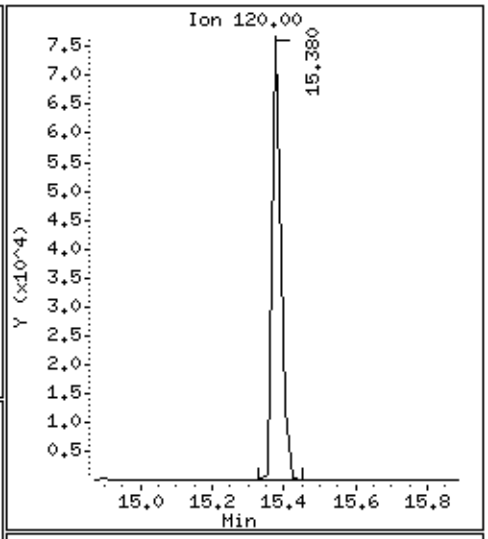
Column phase: DB-5.625

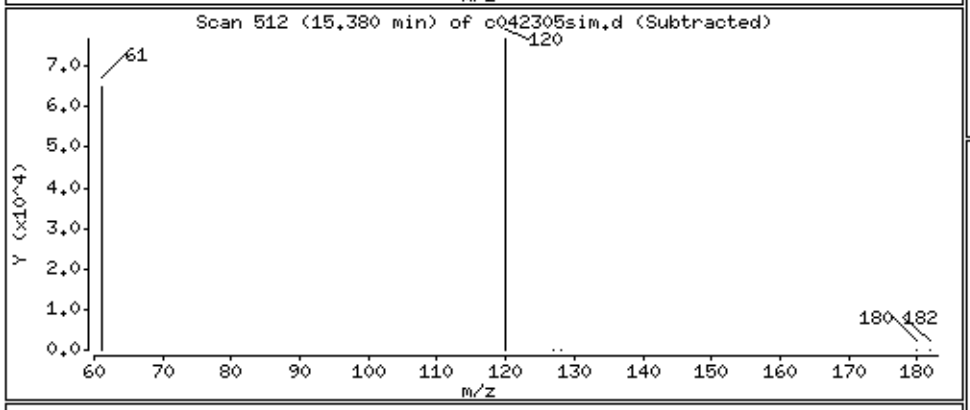
Column diameter: 0.25

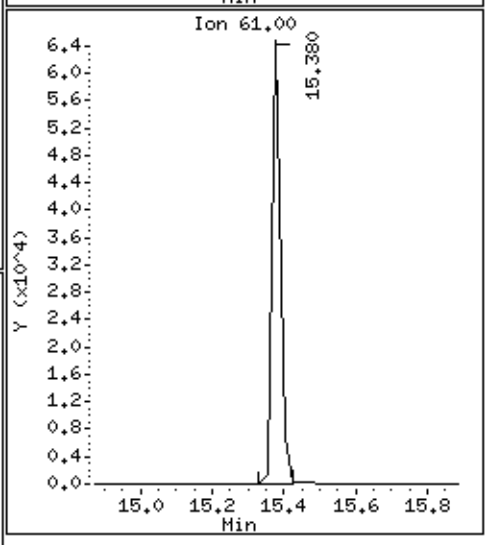
46 1,4-Dithiane

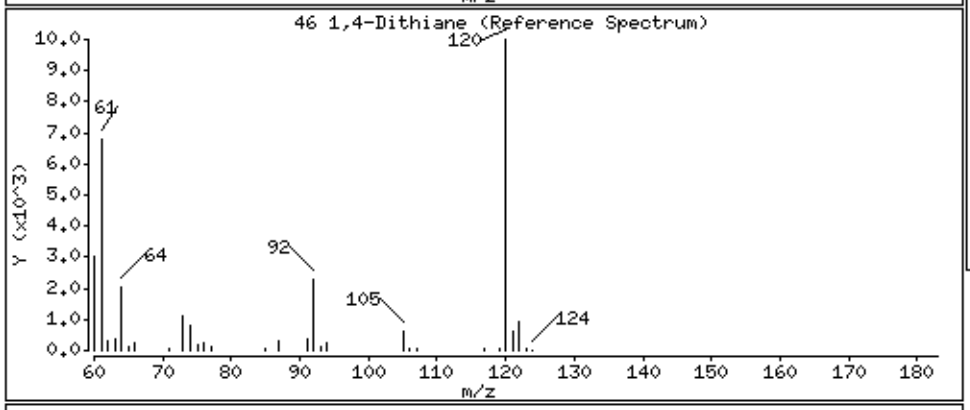
Concentration: 8.10989 ug

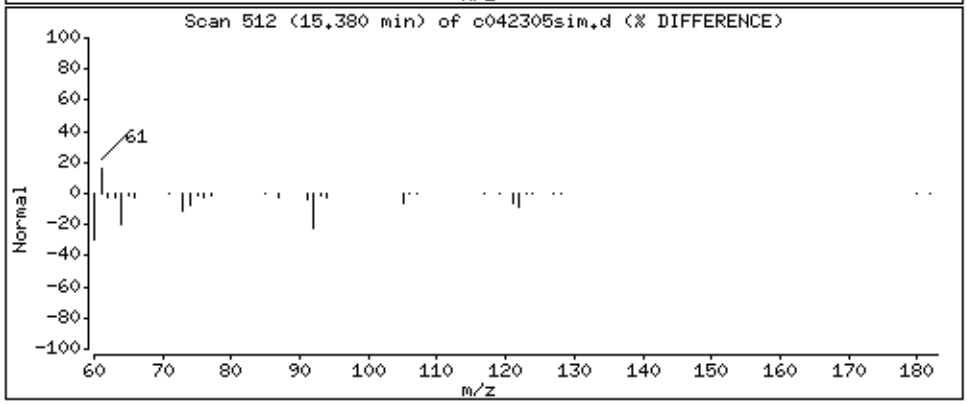












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

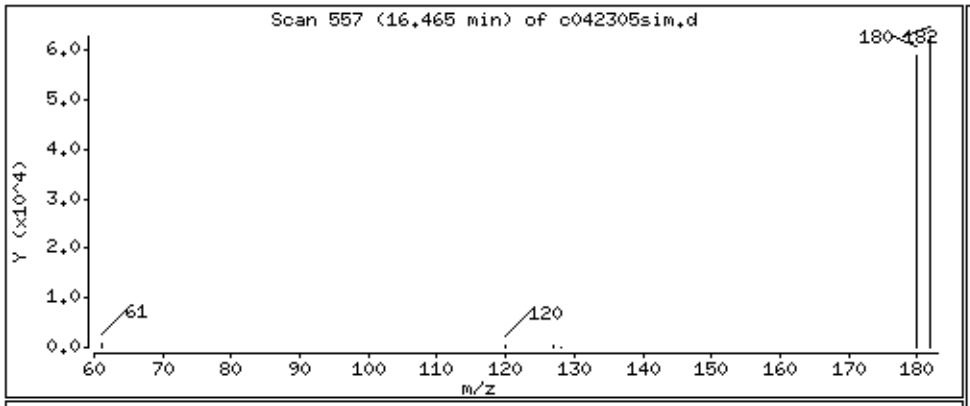
Operator: gm

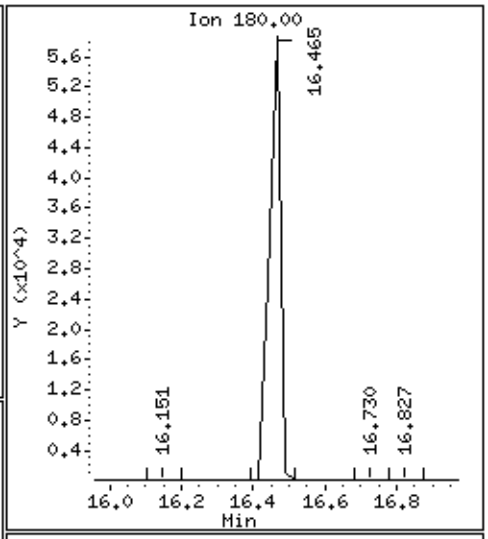
Column phase: DB-5.625

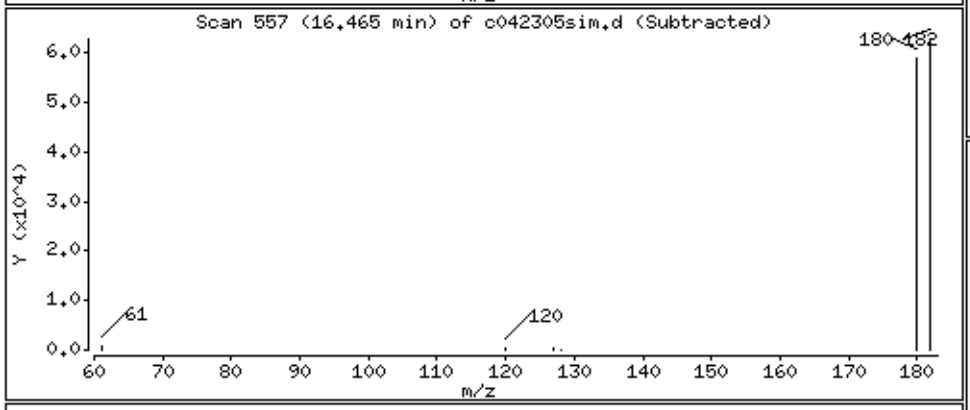
Column diameter: 0.25

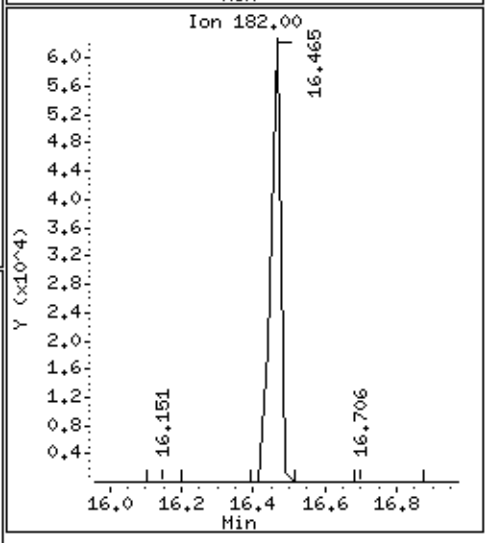
47 1,2,4-Trichlorobenzene

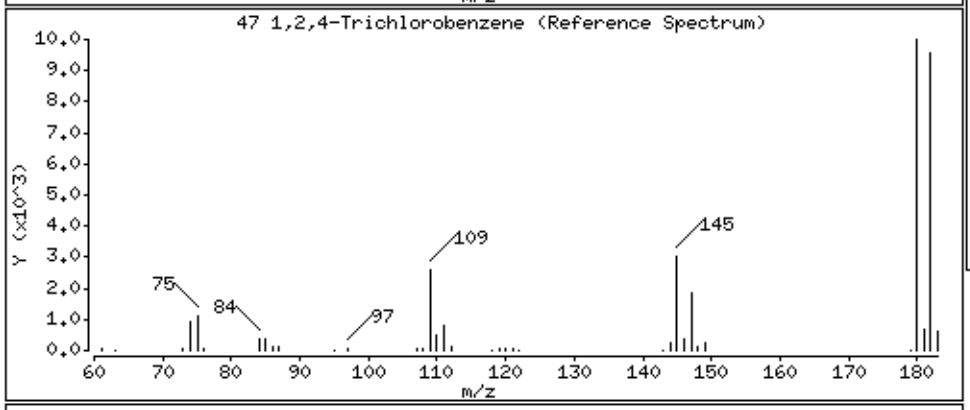
Concentration: 5.42602 ug

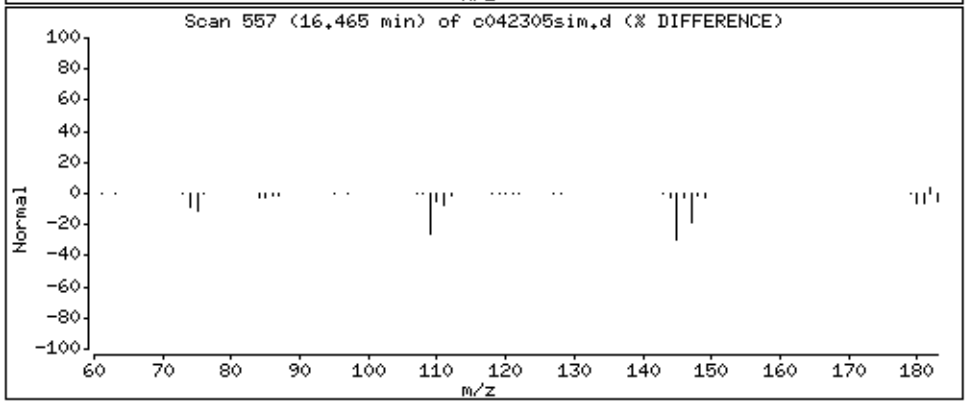












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

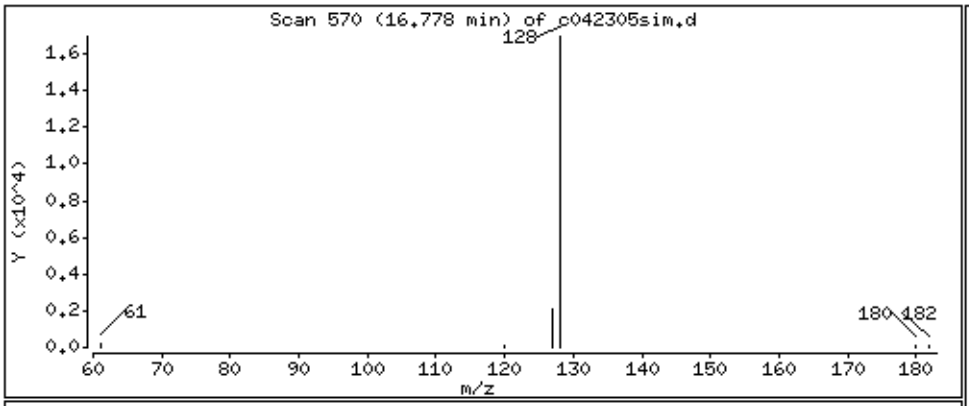
Operator: gm

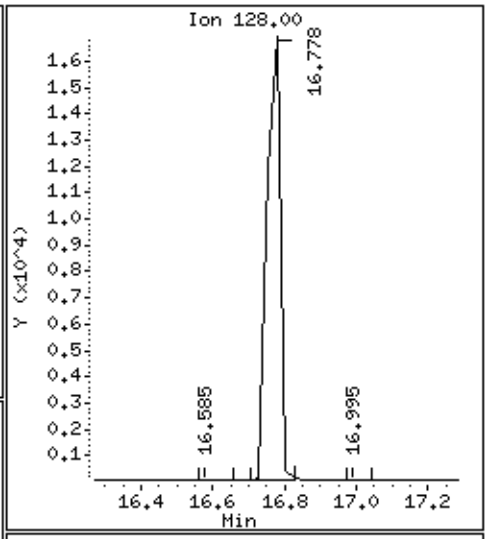
Column phase: DB-5.625

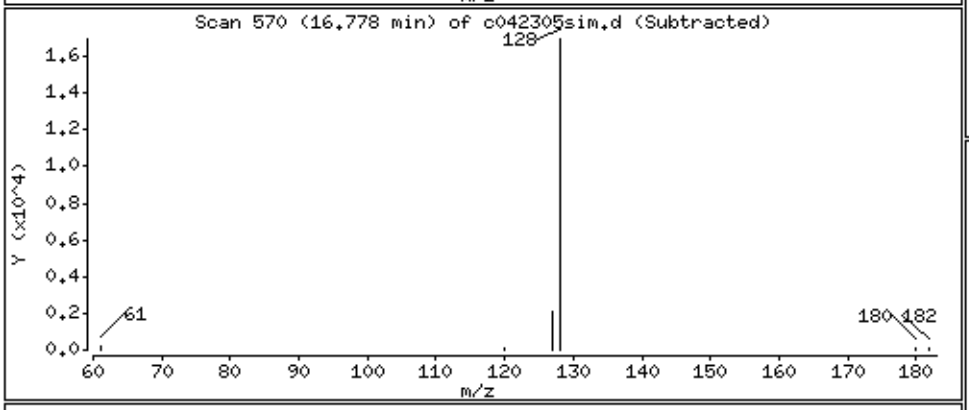
Column diameter: 0.25

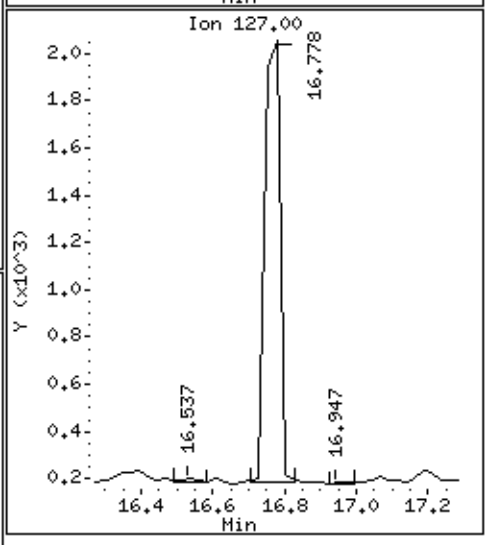
48 Naphthalene

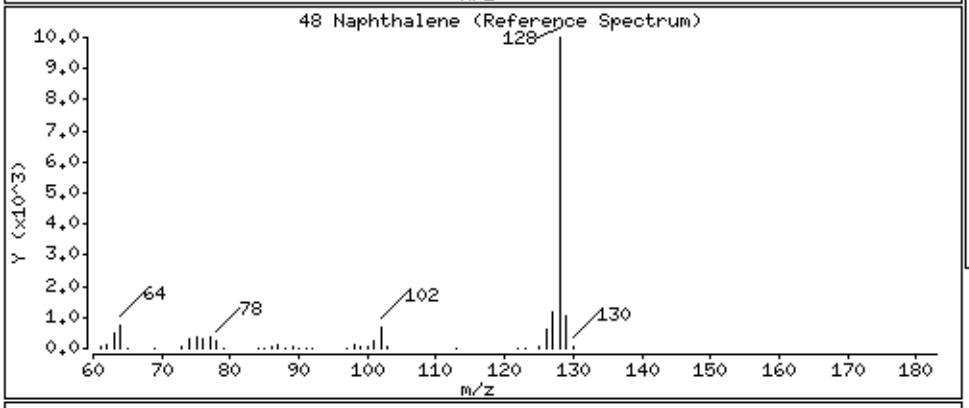
Concentration: 0.834298 ug

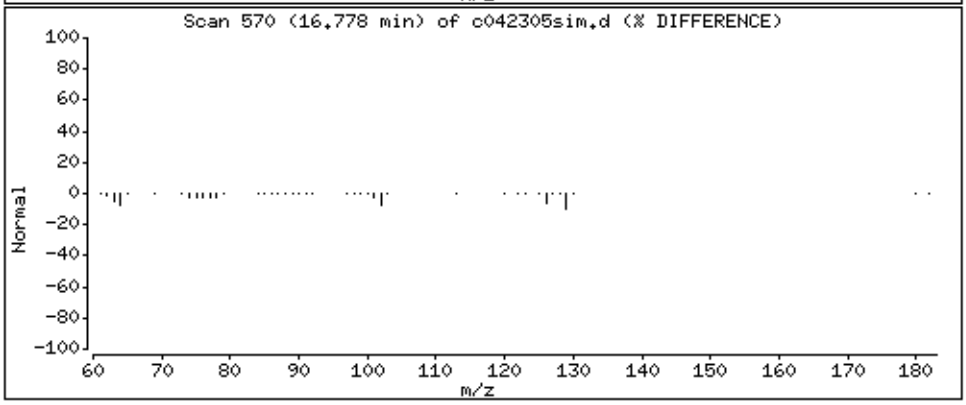












Data File: /chem/msdc.i/23Apr2015.b/c042305sim.d

Date : 23-APR-2015 10:21

Client ID: LCSD

Instrument: msdc.i

Sample Info: ;1504275/309/364/379;LCSD

Volume Injected (uL): 1.0

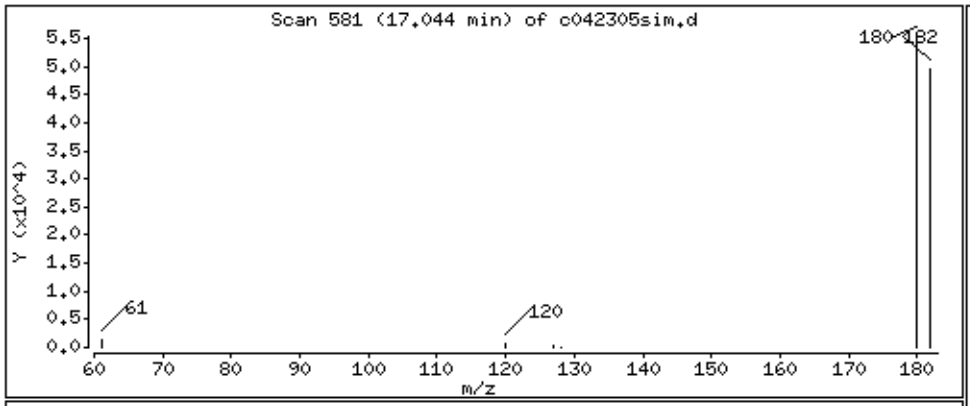
Operator: gm

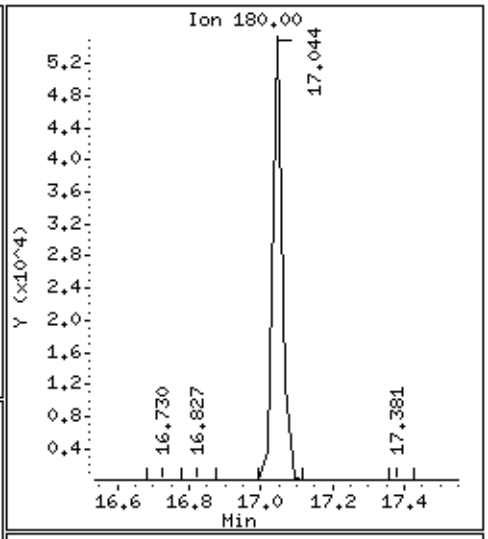
Column phase: DB-5.625

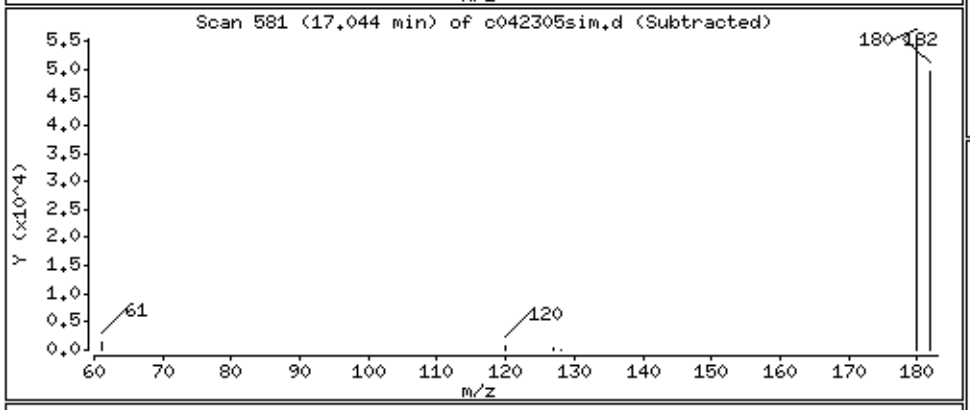
Column diameter: 0.25

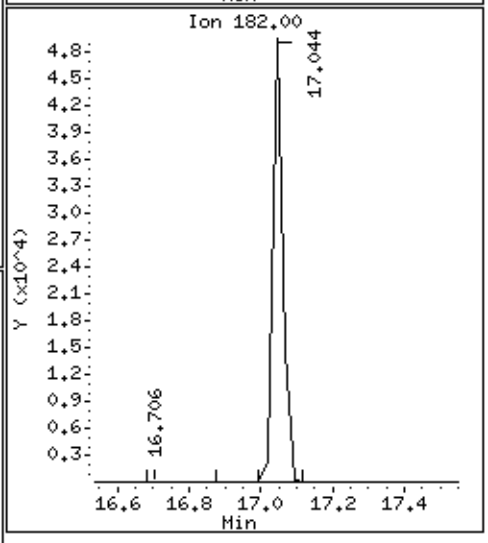
49 1,2,3-Trichlorobenzene

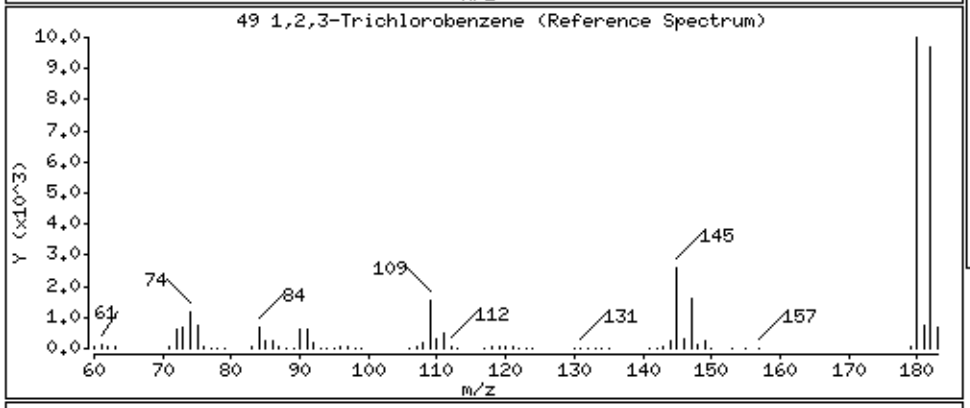
Concentration: 4.52485 ug

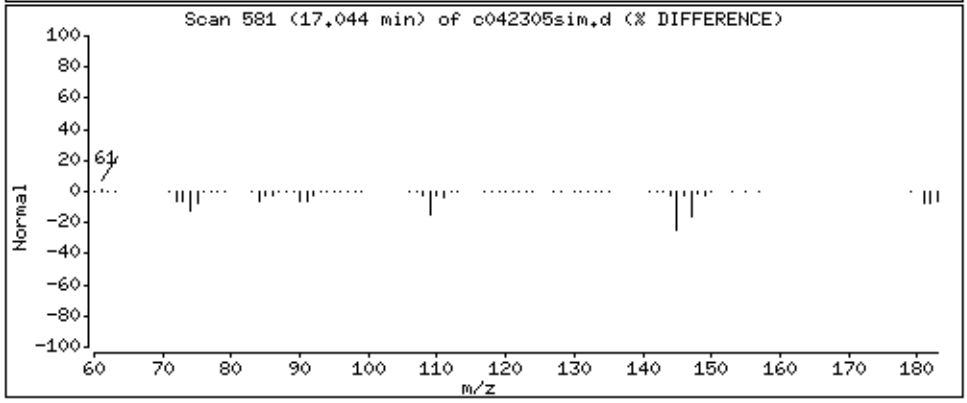












Eurofins Air Toxics, Inc.

Application Sample Preparation Logbook **Logbook #: 2679**

Work Order # 1504275/309/364/379 **Solvent:** CS_2 **Lot #:** 144325

GC/GCMS Application # 48 **Spike I.D.:** 2595-220-500 **Exp.:** 8/19/15

Date Prepared 4/23/15 **N2/Zero Air** NA

Matrix type Rad 130 **IS + Surr ID** 2595-215-125 **Exp.:** 8/20/15

Fraction	Clients I.D. #	Sample Weight or Cartridge type & size	Final Volume (mL)	Spike Amount (µL or mL)	IS +Surr (µL)	Comments
LCS	NA	Rad 130 LOT# 15014	2.0mL	20µL	80µL	
Lab Blank	↓	↓	↓	NA	↓	
1504275-01A	Inside #1	LOT# Unknown	↓	↓	↓	888 NS
↓ -02A	Outside #1	↓	↓	↓	↓	891 NS
1504309-01A	5227-1A02-0415	↓	↓	↓	↓	754 NP
-02A	5230-1A01-	↓	↓	↓	↓	755 NP
-03A	-0A01-	↓	↓	↓	↓	756 NP
-04A	-FB01-	↓	↓	↓	↓	757 NP
-05A	5211-1A01-	↓	↓	↓	↓	758 NP
-06A	-CS01-	↓	↓	↓	↓	759 NP
-07A	5234-1A01-	↓	↓	↓	↓	760 NP
-08A	-CS01-	↓	↓	↓	↓	761 NP
↓ -09A	5215-CS01- ↓	↓	↓	↓	↓	763 NP
1504364-01A	SSRB25-1A-146	↓	↓	↓	↓	544 KA
↓ -02A	↓ -147	↓	↓	↓	↓	545 KA

Procedure: gw 4/23/15

Procedure for Radiello Extraction

1. Add 80uL of a internal standard and surrogate STD mix (2595-215-125) to all samples, lab Blank and desorption levels
2. Add spike standard (2595-220-500, 20uL) to LCS
3. Add 2mL Carbon Disulfide to all samples, Lab Blank and all desorption levels and shake for 30 minutes.
4. Transfer the extracts to 2mL vials and analyze them.

Reviewed by: gw Date: 4/23/15

Eurofins Air Toxics, Inc.

Application Sample Preparation Logbook **Logbook #: 2679**

Work Order # _____ **Solvent:** _____ **Lot #:** _____

GC/GCMS Application # _____ **Spike I.D.:** _____ **Exp.:** _____

Date Prepared _____ **N2/Zero Air** _____

Matrix type _____ **IS + Surr ID** _____ **Exp.:** _____

Cont. from Pg 162 gm 4/23/15

Fraction	Clients I.D.#	Sample Weight or Cartridge type & size	Final Volume (mL)	Spike Amount (µL or mL)	IS +Surr (µL)	Comments
1504379-01A	A-041415-SL1-30	Rad180 Lot # Unknown	2.0 mL	NA	80 µL	001NB
-02A	-SL2-31	↓ ↓	↓	↓	↓	002NB
-03A	-SL3-32					003NB
↓ -04A	↓ -SL4-33	↓ ↓	↓	↓	↓	004NB

Procedure: _____

gm 4/23/15

Reviewed by: gm Date: 4/23/15

Eurofins Air Toxics, Inc. | **MSD-C** | **Logbook #: 2711**

BFB Injection Date: 4/23/15
BFB Injection Time: 0854
BFB File ID: C042302

IS/S Std.#: 2595215-125	Exp. Date: 8/20/15
2-Fluorotoluene SIM: 324554	

Verified CCV IS vs ICAL mid-point (-50% to +100% D) gmv (initials)

Calculation Check:

µg/L of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} \times DF = \frac{(144495)}{(318537)} \times \frac{(5.0)}{(0.71090)} \times 2.00 =$ 6.4 ug

File ID:	C042307SIM
Compound:	Toluene
Initials:	gmv

Reported Result 6.4 ug

	Use	File #	Sample / Client Name	Vial #	DF	Date Analyzed	Time Analyzed	Initial	Comments
1	✓	C042302	2299-807 BFB	1	1.00	4/23/15	0854	gmv	
2	✓	03	2595-224-5.0 CCV	2			0909		
3	✓	04	1504275/309/364/379 -LCS	3			0957		
4	✓	05	-LCSD	3			1021		
5	✓	06	-BLK	4			1057		
6	✓	07	1504275-01A	5			1147		
7	✓	08	-02A	6			1211		
8	✓	09	1504309-01A	7			1235		
9	✓	10	-02A	8			1300		
10	✓	11	-03A	9			1324		
11	✓	12	-04A	10			1349		
12	✓	13	-05A	11			1413		
13	✓	14	-06A	12			1438		
14	✓	15	-07A	13			1502		
15	✓	16	-08A	14	✓	↓	1527	↓	

Reviewed: gmv Date: 4/24/15

16	✓	C042317	1504309-09A	15	1.80	4/23/15	1552	gm	
17	✓	18	1504364-01A	16	↓	↓	1616	↓	
18	✓	19	↓ -02A	17			1640		
19	✓	20	1504379-01A	18			1705		
20	✓	21	-02A	19			1729		
21	✓	22	-03A	20			1754		
22	✓	↓ 23	↓ -04A	21	↓	↓	1818	↓	
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									

Comments:

gm 4/24/15

Reviewed: gm Date: 4/24/15

Eurofins Air Toxics Inc.

Data file : /var/chem/msdc.i/15Apr2015.b/c041501.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 15-APR-2015 08:11
Operator : gm Inst ID: msdc.i
Smp Info : ;2299-806;BFB
Misc Info :
Comment :
Method : /var/chem/msdc.i/15Apr2015.b/bfbr.m
Meth Date : 15-Apr-2015 07:56 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
6.354	6.490	-0.136	95	427093			100.00- 100.00	100.00
6.354	6.490	-0.136	50	82008			15.00- 40.00	19.20
6.354	6.490	-0.136	75	191360			30.00- 60.00	44.81
6.354	6.490	-0.136	96	27459			5.00- 9.00	6.43
6.354	6.490	-0.136	173	3053			0.00- 2.00	0.73
6.354	6.490	-0.136	174	420522			50.00- 100.00	98.46
6.354	6.490	-0.136	175	29896			5.00- 9.00	7.11
6.354	6.490	-0.136	176	409450			95.00- 101.00	97.37
6.354	6.490	-0.136	177	26262			5.00- 9.00	6.41

Data File: /var/chem/msdc.i/15Apr2015.b/c041501.d

Date : 15-APR-2015 08:11

Client ID: BFB

Instrument: msdc.i

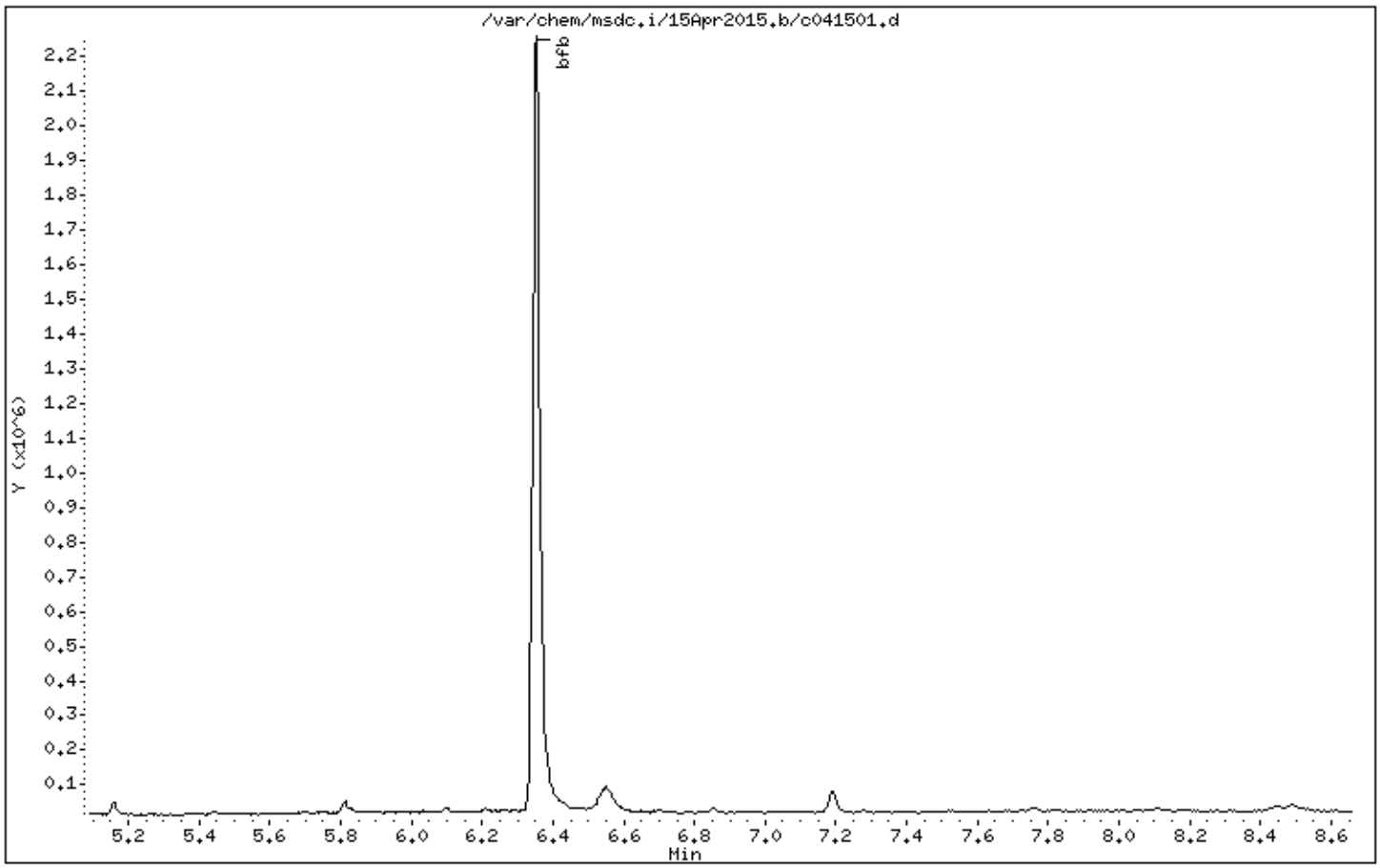
Sample Info: ;2299-806;BFB

Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00



Data File: /var/chem/msdc.i/15Apr2015.b/c041501.d

Date : 15-APR-2015 08:11

Client ID: BFB

Instrument: msdc.i

Sample Info: ;2299-806;BFB

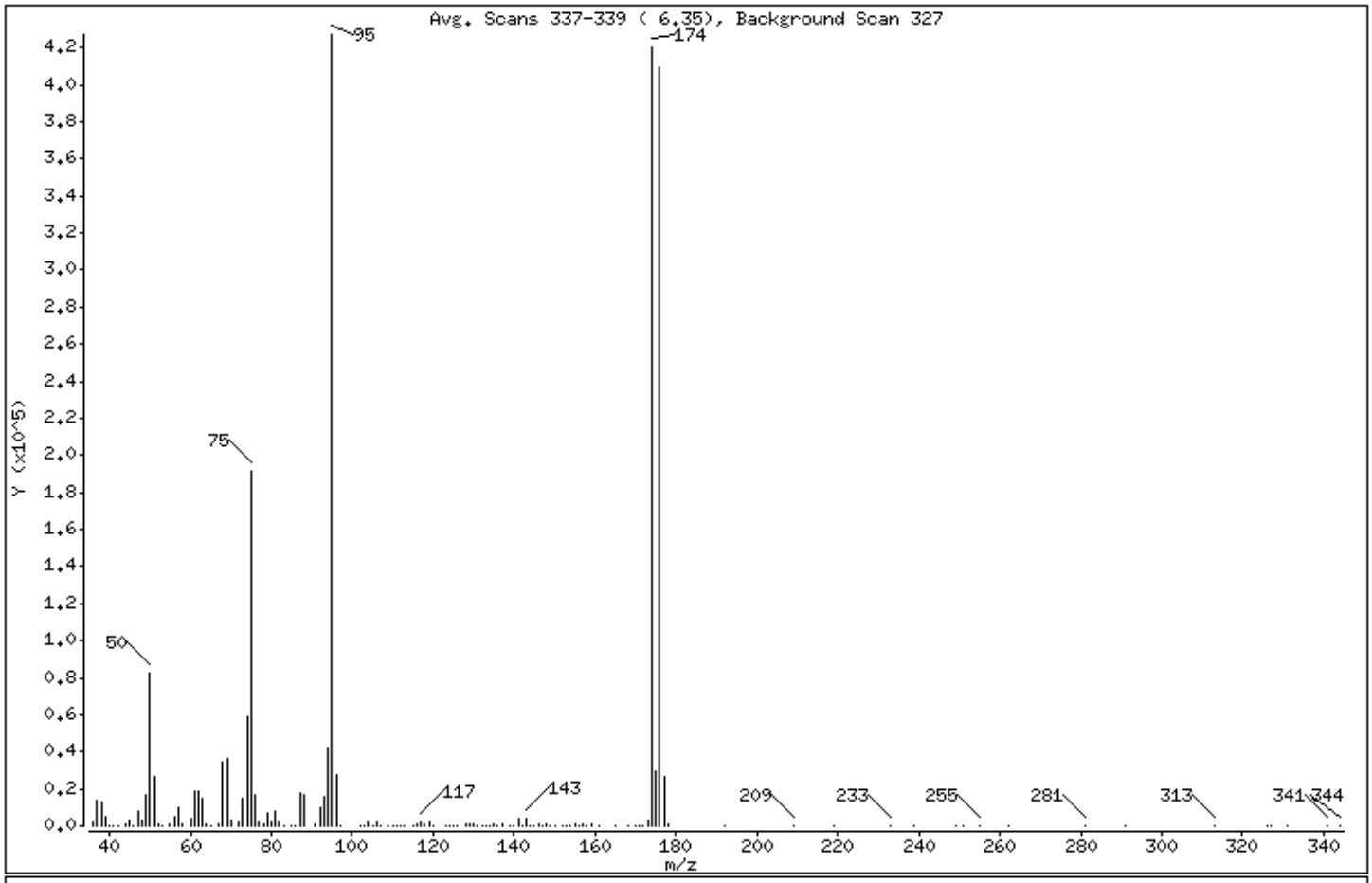
Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.20
75	30.00 - 60.00% of mass 95	44.81
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.71 (0.73)
174	50.00 - 100.00% of mass 95	98.46
175	5.00 - 9.00% of mass 174	7.00 (7.11)
176	95.00 - 101.00% of mass 174	95.87 (97.37)
177	5.00 - 9.00% of mass 176	6.15 (6.41)

Date : 15-APR-2015 08:11

Client ID: BFB Instrument: msdc.i

Sample Info: ;2299-806;BFB

Volume Injected (uL): 1.0 Operator: gm

Column phase: Column diameter: 2.00

Data File: c041501.d
Spectrum: Avg. Scans 337-339 (6.35), Background Scan 327
Location of Maximum: 95.00
Number of points: 134

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2348	75.00	191360	118.00	1464	157.00	675
37.00	14224	76.00	16384	119.00	1560	158.00	75
38.00	12276	77.00	2207	120.00	160	159.00	549
39.00	4732	78.00	1438	123.00	154	161.00	477
40.00	160	79.00	7295	124.00	277	165.00	106
41.00	136	80.00	2367	125.00	134	168.00	57
42.00	50	81.00	7610	126.00	66	170.00	125
44.00	1026	82.00	1514	128.00	1306	171.00	139
45.00	2948	83.00	270	129.00	602	172.00	417
46.00	147	85.00	87	130.00	1240	173.00	3053
47.00	7949	86.00	406	131.00	471	174.00	420480
48.00	2466	87.00	17824	132.00	107	175.00	29896
49.00	16279	88.00	17072	133.00	62	176.00	409408
50.00	82008	91.00	1037	134.00	231	177.00	26256
51.00	26608	92.00	10173	135.00	636	178.00	746
52.00	1279	93.00	15646	136.00	100	192.00	33
53.00	58	94.00	42536	137.00	640	209.00	222
55.00	903	95.00	427072	139.00	142	219.00	74
56.00	5336	96.00	27456	140.00	197	233.00	144
57.00	9928	97.00	352	141.00	3631	239.00	32
58.00	491	102.00	77	142.00	402	249.00	79
60.00	4148	103.00	317	143.00	3826	251.00	54
61.00	18592	104.00	1593	144.00	156	255.00	106
62.00	18632	105.00	324	145.00	396	262.00	51
63.00	14927	106.00	1505	146.00	640	281.00	60
64.00	1209	107.00	488	147.00	393	291.00	54
65.00	52	109.00	114	148.00	914	313.00	62
67.00	1021	110.00	175	149.00	290	326.00	69
68.00	34472	111.00	409	150.00	444	327.00	5
69.00	36464	112.00	199	152.00	261	331.00	63
70.00	2460	113.00	257	153.00	460	341.00	160
72.00	2064	115.00	461	154.00	101	344.00	62
73.00	15053	116.00	1284	155.00	1175		
74.00	58624	117.00	2182	156.00	244		

Eurofins Air Toxics Inc.

Data file : /var/chem/msdc.i/23Apr2015.b/c042302.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 23-APR-2015 08:54
Operator : gm Inst ID: msdc.i
Smp Info : ;2299-806 BFB;
Misc Info :
Comment :
Method : /var/chem/msdc.i/23Apr2015.b/bfbr.m
Meth Date : 23-Apr-2015 08:50 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
6.354	6.490	-0.136	95	462307			100.00- 100.00	100.00
6.354	6.490	-0.136	50	89589			15.00- 40.00	19.38
6.354	6.490	-0.136	75	206905			30.00- 60.00	44.75
6.354	6.490	-0.136	96	29586			5.00- 9.00	6.40
6.354	6.490	-0.136	173	3379			0.00- 2.00	0.81
6.354	6.490	-0.136	174	417749			50.00- 100.00	90.36
6.354	6.490	-0.136	175	29352			5.00- 9.00	7.03
6.354	6.490	-0.136	176	400064			95.00- 101.00	95.77
6.354	6.490	-0.136	177	25319			5.00- 9.00	6.33

Data File: /var/chem/msdc.i/23Apr2015.b/c042302.d

Date : 23-APR-2015 08:54

Client ID: BFB

Instrument: msdc.i

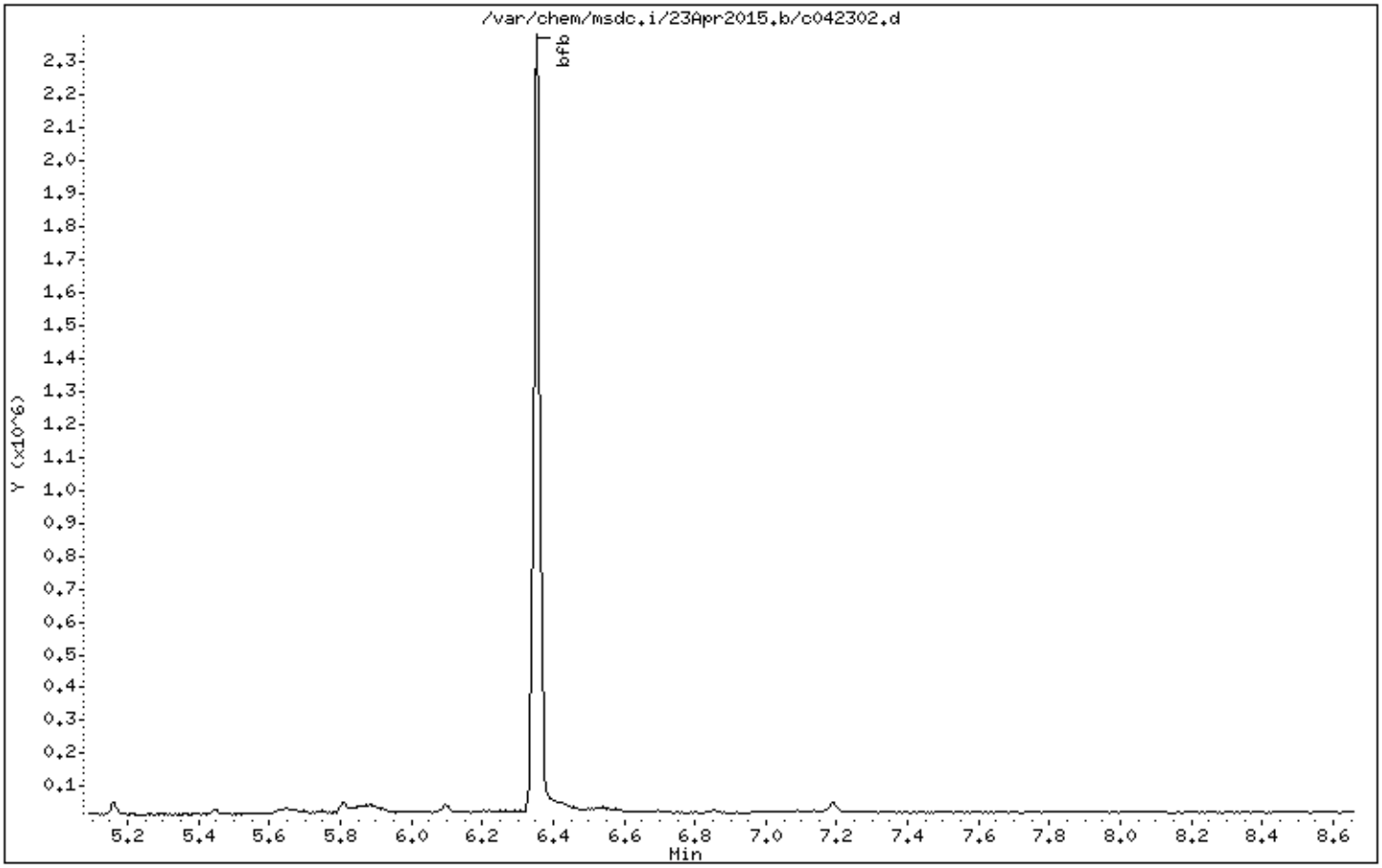
Sample Info: ;2299-806 BFB;

Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00



Data File: /var/chem/msdc.i/23Apr2015.b/c042302.d

Date : 23-APR-2015 08:54

Client ID: BFB

Instrument: msdc.i

Sample Info: ;2299-806 BFB;

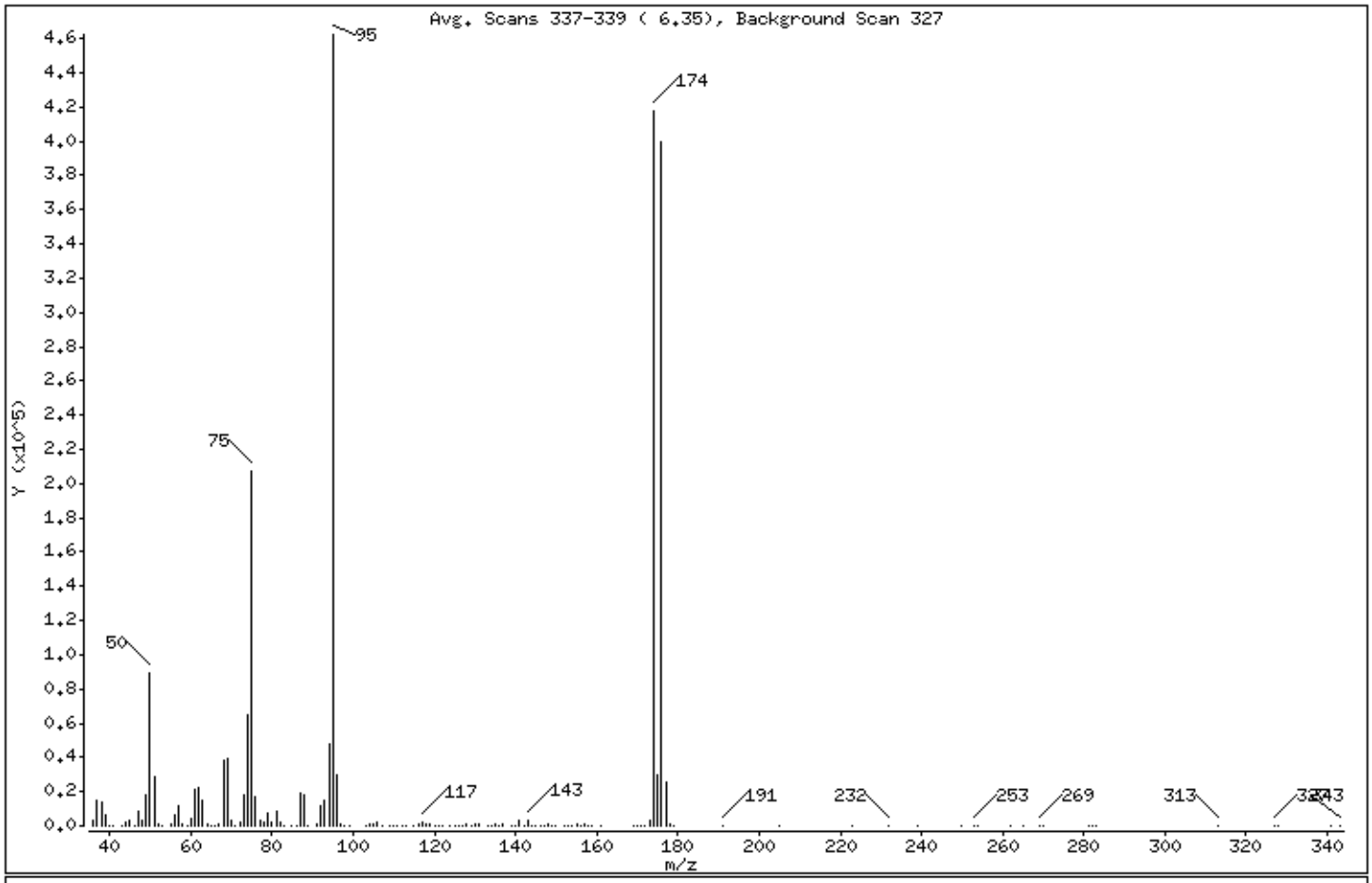
Volume Injected (uL): 1.0

Operator: gm

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.38
75	30.00 - 60.00% of mass 95	44.75
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.73 (0.81)
174	50.00 - 100.00% of mass 95	90.36
175	5.00 - 9.00% of mass 174	6.35 (7.03)
176	95.00 - 101.00% of mass 174	86.54 (95.77)
177	5.00 - 9.00% of mass 176	5.48 (6.33)

Date : 23-APR-2015 08:54

Client ID: BFB Instrument: msdc.i

Sample Info: ;2299-806 BFB;

Volume Injected (uL): 1.0 Operator: gm

Column phase: Column diameter: 2.00

Data File: c042302.d
Spectrum: Avg. Scans 337-339 (6.35), Background Scan 327
Location of Maximum: 95.00
Number of points: 143

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2998	74.00	64592	117.00	2131	157.00	687
37.00	14670	75.00	206848	118.00	1080	158.00	59
38.00	14152	76.00	16920	119.00	1334	159.00	486
39.00	5923	77.00	2722	120.00	186	161.00	462
40.00	394	78.00	1596	121.00	50	169.00	62
41.00	173	79.00	7854	122.00	163	170.00	83
43.00	149	80.00	2280	124.00	272	171.00	78
44.00	1874	81.00	8288	125.00	52	172.00	473
45.00	3653	82.00	1893	126.00	150	173.00	3379
46.00	134	83.00	126	127.00	299	174.00	417728
47.00	8127	85.00	170	128.00	1308	175.00	29352
48.00	2750	86.00	401	129.00	478	176.00	400064
49.00	18216	87.00	18840	130.00	1147	177.00	25312
50.00	89584	88.00	17968	131.00	541	178.00	763
51.00	28888	89.00	350	133.00	101	179.00	162
52.00	1424	91.00	1468	134.00	376	191.00	121
53.00	130	92.00	11188	135.00	909	205.00	70
55.00	1147	93.00	15158	136.00	57	223.00	113
56.00	6125	94.00	47480	137.00	637	232.00	303
57.00	12158	95.00	462272	139.00	287	239.00	123
58.00	722	96.00	29584	140.00	330	250.00	51
59.00	21	97.00	971	141.00	3518	253.00	232
60.00	4105	98.00	84	142.00	397	254.00	16
61.00	21416	99.00	76	143.00	3581	262.00	178
62.00	22312	103.00	236	144.00	211	265.00	50
63.00	14768	104.00	1402	145.00	243	269.00	229
64.00	1531	105.00	708	146.00	503	270.00	121
65.00	356	106.00	1795	147.00	139	281.00	22
66.00	265	107.00	289	148.00	929	282.00	211
67.00	1135	109.00	73	149.00	432	283.00	55
68.00	38616	110.00	140	150.00	444	313.00	50
69.00	38792	111.00	507	152.00	253	327.00	240
70.00	2966	112.00	193	153.00	426	328.00	61
71.00	264	113.00	67	154.00	248	341.00	66
72.00	1783	115.00	486	155.00	860	343.00	104

Date : 23-APR-2015 08:54

Client ID: BFB Instrument: msdc.i

Sample Info: ;2299-806 BFB;

Volume Injected (uL): 1.0 Operator: gm

Column phase: Column diameter: 2.00

Data File: c042302.d
Spectrum: Avg. Scans 337-339 (6.35), Background Scan 327
Location of Maximum: 95.00
Number of points: 143

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	17672	116.00	1296	156.00	220		

Shipping/ Receiving Documents

eurofins | Air Toxics

Eurofins Air Toxics, Inc. Sample Receipt Confirmation Cover Page

Thank you for choosing Eurofins Air Toxics, Inc. (EATL). We have received your samples and have listed any Sample Receipt Descrepancies below.

In order to expedite analysis and reporting, please review the attached information for accuracy.

For corrections call: **Air Toxics, Ltd. at 916-985-1000**

EATL will proceed with the analysis as specified on the Chain of Custody (COC) and Sample Receipt Summary page.

Please note : The Sample Receipt Confirmation, including the total workorder charge, is subject to change upon secondary review. Our aim is to provide a confirmation to you in a timely manner. Sample Receipt Discrepancies, if any, may not include discrepancies regarding sample receipt pressure(s). Additionally, the COC will be provided with the final report.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 6:30 A.M to 5:30 P.M. PST

PASSIVE SAMPLE COLLECTION

@Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630
(916) 985-1000 FAX (916) 985-1020

Project Manager: Don Gruber
Collected by: (Print and Sign) Ed Gillera
Company: Gilbarco Email: DGruber@gilbarco.com
Address: 1891 N. Gaffey #211 City: San Pedro State: CA Zip: 90731
Phone: (310) 832-2600 Fax: (310) 832-2606

Project Info:
P.O. #:
Project #: 07163-0064
Project Name: SAIA

Turn Around Time: ☒ Normal ☐ Rush (specify)

Reporting Units: ☐ ppmv ☐ ppbv ☒ µg/m3 ☐ mg/m3

Lab I.D.	Field Sample I.D. (Location)	Sampler #	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Analysis Requested	Indoor Air	Outdoor Air	Workplace Monitoring	Other ( )
01A	5227-IA01-0415	754NP	04/09/15	1330	04/16/15	1302	~~TO-15~~ VOCs	☒	☐	☐	☐
02A	5230-IA01-0415	755NP	04/09/15	1420	04/16/15	1400	~~TO-15~~ VOCs	☒	☐	☐	☐
03A	5230-OA01-0415	756NP	04/09/15	1430	04/16/15	1405	~~TO-15~~ VOCs	☒	☐	☐	☐
04A	5230-FB01-0415	757NP	04/09/15	1435	04/16/15	1410	~~TO-15~~ VOCs	☒	☐	☐	☐
05A	5211-IA01-0415	758NP	04/10/15	0915	04/17/15	0911	VOCs	☒	☐	☐	☐
06A	5211-CS01-0415	759NP	04/10/15	0925	04/17/15	0917	VOCs	☒	☐	☐	☐
07A	5234-IA01-0415	760NP	04/10/15	1025	04/17/15	1010	VOCs	☒	☐	☐	☐
08A	5234-CS01-0415	761NP	04/10/15	1030	04/17/15	1012	VOCs	☒	☐	☐	☐
09A	5215-CS01-0415	763NP	04/10/15	1140	04/17/15	1255	VOCs	☒	☐	☐	☐
10A								☐	☐	☐	☐

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	4-17-15 / 1400	FedEx	4-17-15 / 1400
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
		[signature] FAX	4/18/15 0910
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Sample Site Air Temperature: 89.8°F

Notes: FedEx 8071 2266 7879

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx		2.4°C	Good	Yes / No / None	1504300

eurofins | Air Toxics

SAMPLE RECEIPT SUMMARY

WORKORDER 1504309R2

Client

Mr. Thomas Beer
Gilbane Company
2730 Shadelands Drive
Suite 100
Walnut Creek, CA 94598

Sales Rep: N/A

Phone

925-946-3100

Fax

925-256-8998

Date Promised: 07/13/15
Date Completed: 7/20/15
Date Received: 4/18/15
PO#: J163006400-002
Project#: 07163 - 0064 SAIA

Total $: $ 0.00
Logged By: JCW

Fraction	Sample #	Analysis	Collected	Amount$
01A	5227-IA02-0415	Passive S.E. RAD130/SKC	4/16/2015	$0.00
02A	5230-IA01-0415	Passive S.E. RAD130/SKC	4/16/2015	$0.00
03A	5230-OA01-0415	Passive S.E. RAD130/SKC	4/16/2015	$0.00
04A	5230-FB01-0415	Passive S.E. RAD130/SKC	4/16/2015	$0.00
05A	5211-IA01-0415	Passive S.E. RAD130/SKC	4/17/2015	$0.00
06A	5211-CS01-0415	Passive S.E. RAD130/SKC	4/17/2015	$0.00
07A	5234-IA01-0415	Passive S.E. RAD130/SKC	4/17/2015	$0.00
08A	5234-CS01-0415	Passive S.E. RAD130/SKC	4/17/2015	$0.00
09A	5215-CS01-0415	Passive S.E. RAD130/SKC	4/17/2015	$0.00
10A	Lab Blank	Passive S.E. RAD130/SKC	NA	$0.00
11A	LCS	Passive S.E. RAD130/SKC	NA	$0.00
11AA	LCSD	Passive S.E. RAD130/SKC	NA	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: SAIA/20267

BILL TO: Mr. Thomas Beer
Gilbane Company
2730 Shadelands Drive
Suite 100
Walnut Creek, CA 94598

Analysis Code: Other GC

TERMS: NET 45

Reporting Method: Passive SE GC/MS (Sp)-Gilbane (SAIA) v2

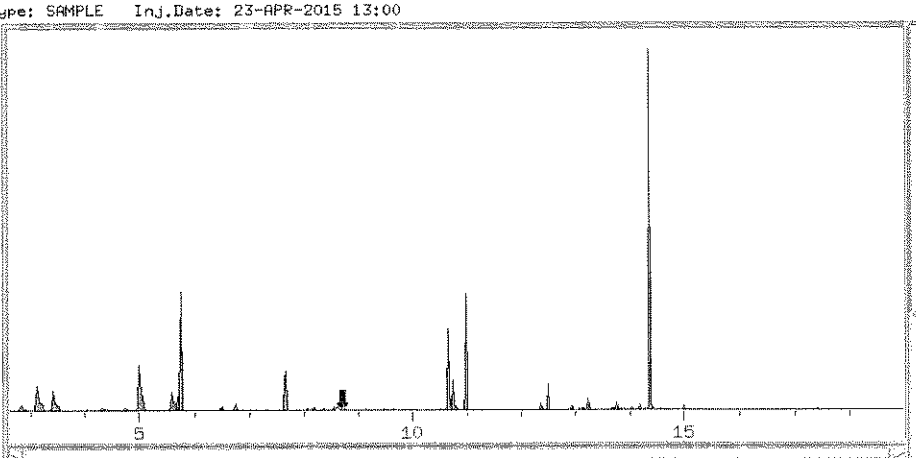
Other Records

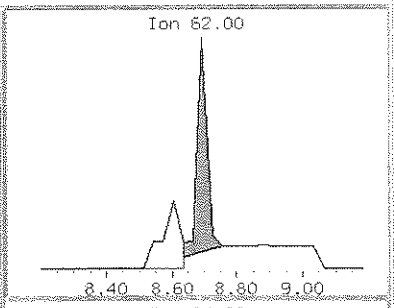
TargetReview: eeyore: 1504309R2-02A: /chem/msdc.i/23Apr2015.b/c042310simr2.d

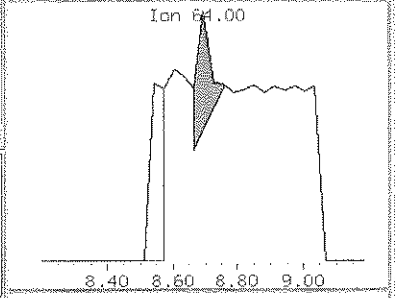
File Security Edit Display Process Spectra Help

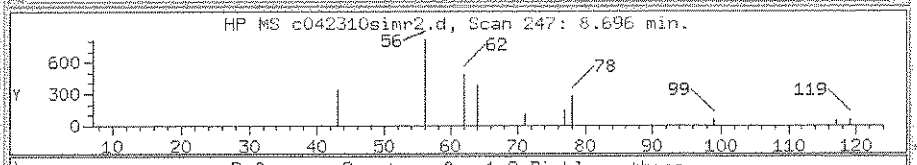
Sample: 1504309R2-02A Type: SAMPLE Inj.Date: 23-APR-2015 13:00

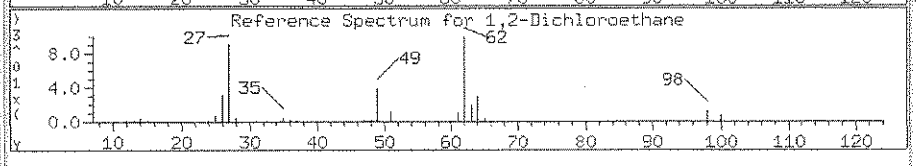
2 Vinyl Chloride
! 4 1,1-Dichloroeth
8 trans-1,2-Dich
11 1,1-Dichloroeth
! 14 cis-1,2-Dichlo
17 1,1,1-Trichlor
+ 19 Benzene
* 20 1,2-Dichloroet
+ 22 Trichloroethen
$+ 25 Toluene-d8
+ 26 Toluene-CCC
*+ 27 2-Fluorotoluen
! 28 1,1,2-Trichlor
+ 29 Tetrachloroeth
+ 31 Ethylbenzene-Cl
+ 33 m,p-Xylene
+ 34 o-Xylene
+! 40 1,3,5-Trimethy
+ 41 1,2,4-Trimethy
48 Naphthalene









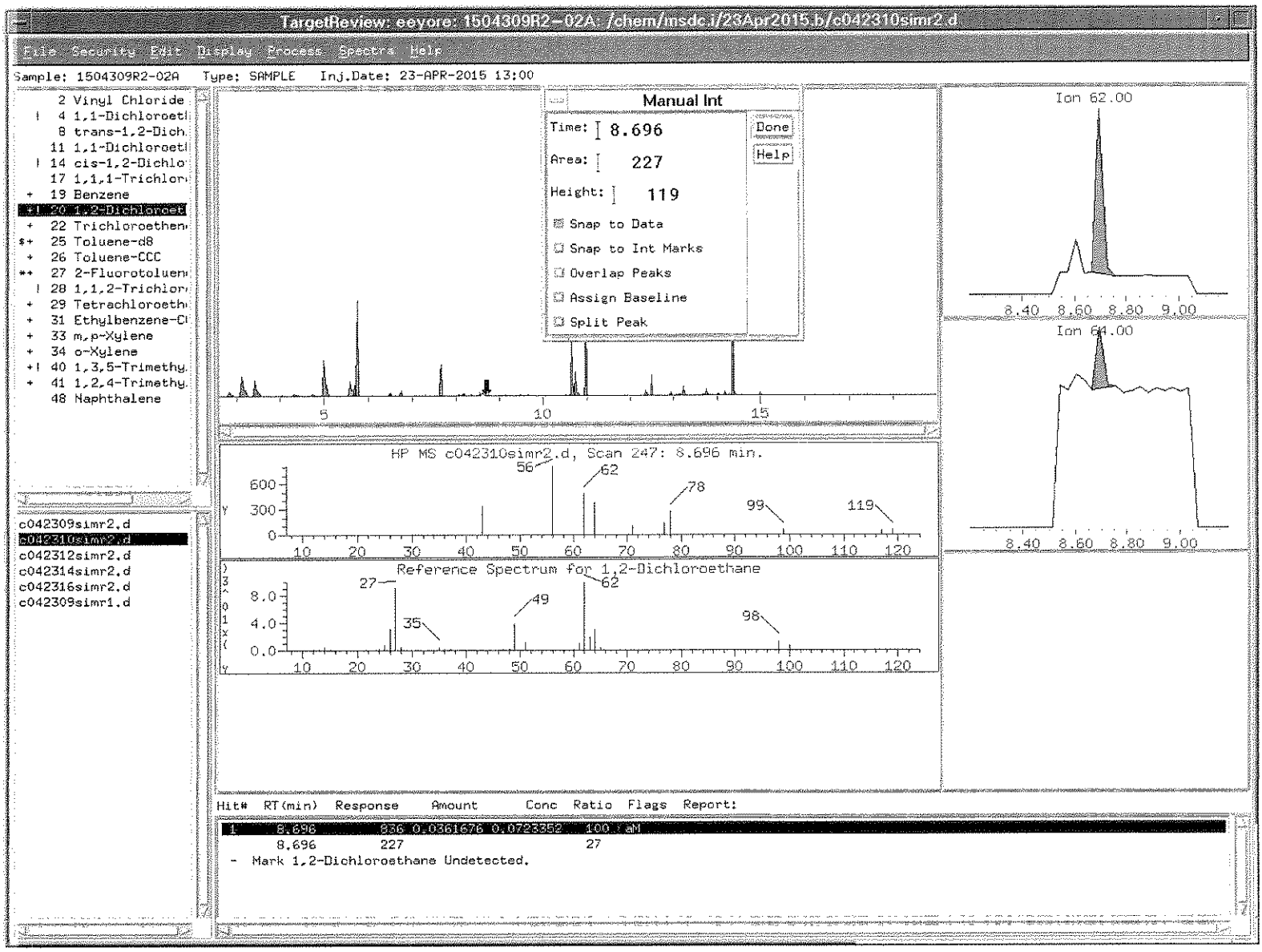


c042309simr2.d
c042310simr2.d
c042312simr2.d
c042314simr2.d
c042316simr2.d
c042309simr1.d

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	8.603	575	0.0248791	0.0497581	100	a	
	8.542	1000			174		
2	8.696	991	0.0428785	0.0857570	100	a	
	8.696	608			61		

- Mark 1,2-Dichloroethane Undetected.

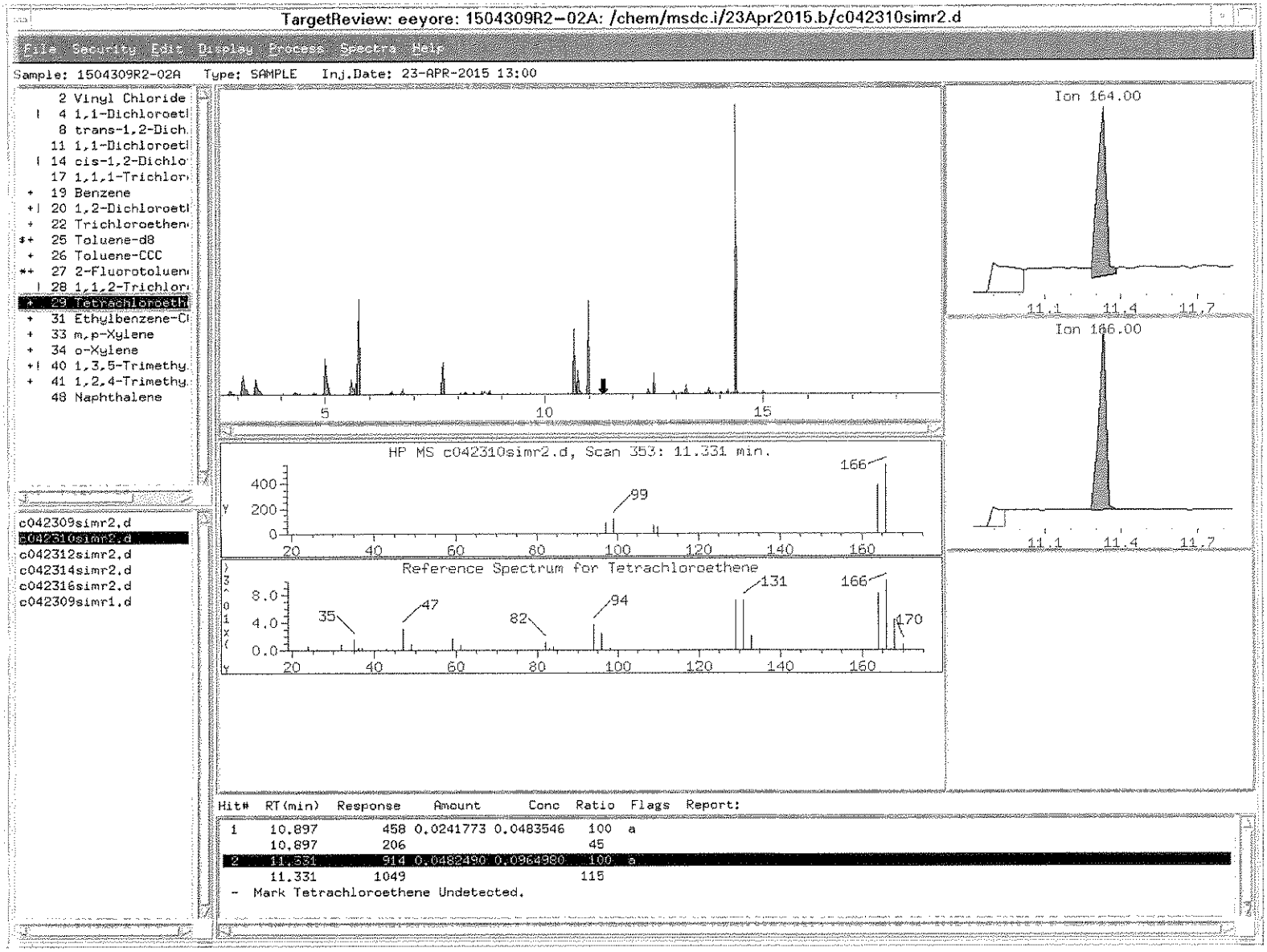
Before
gm
7/13/15



9m
7/13/15

After

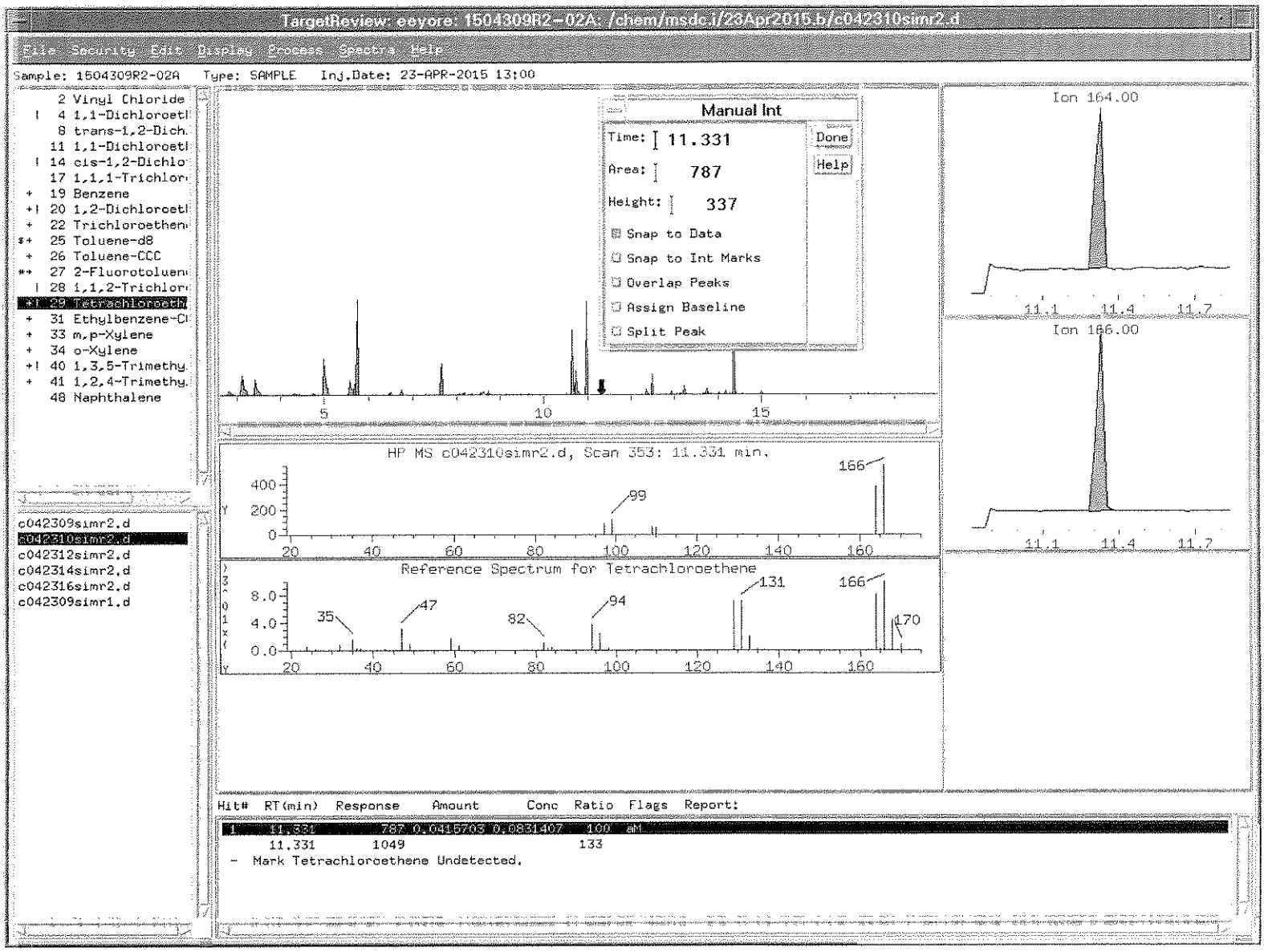
Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	



Before

gm

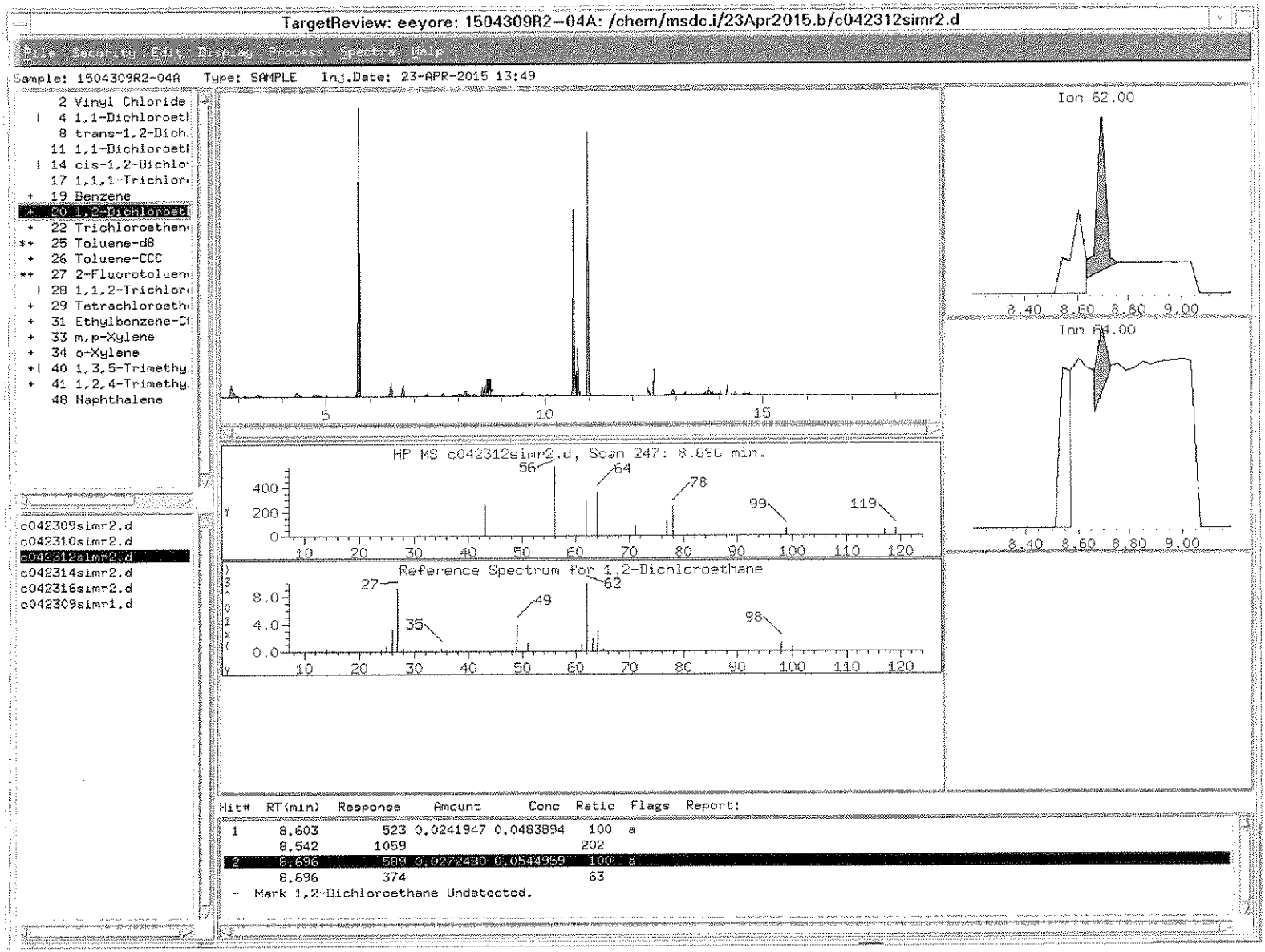
7/13/15



9m
7/13/15

After

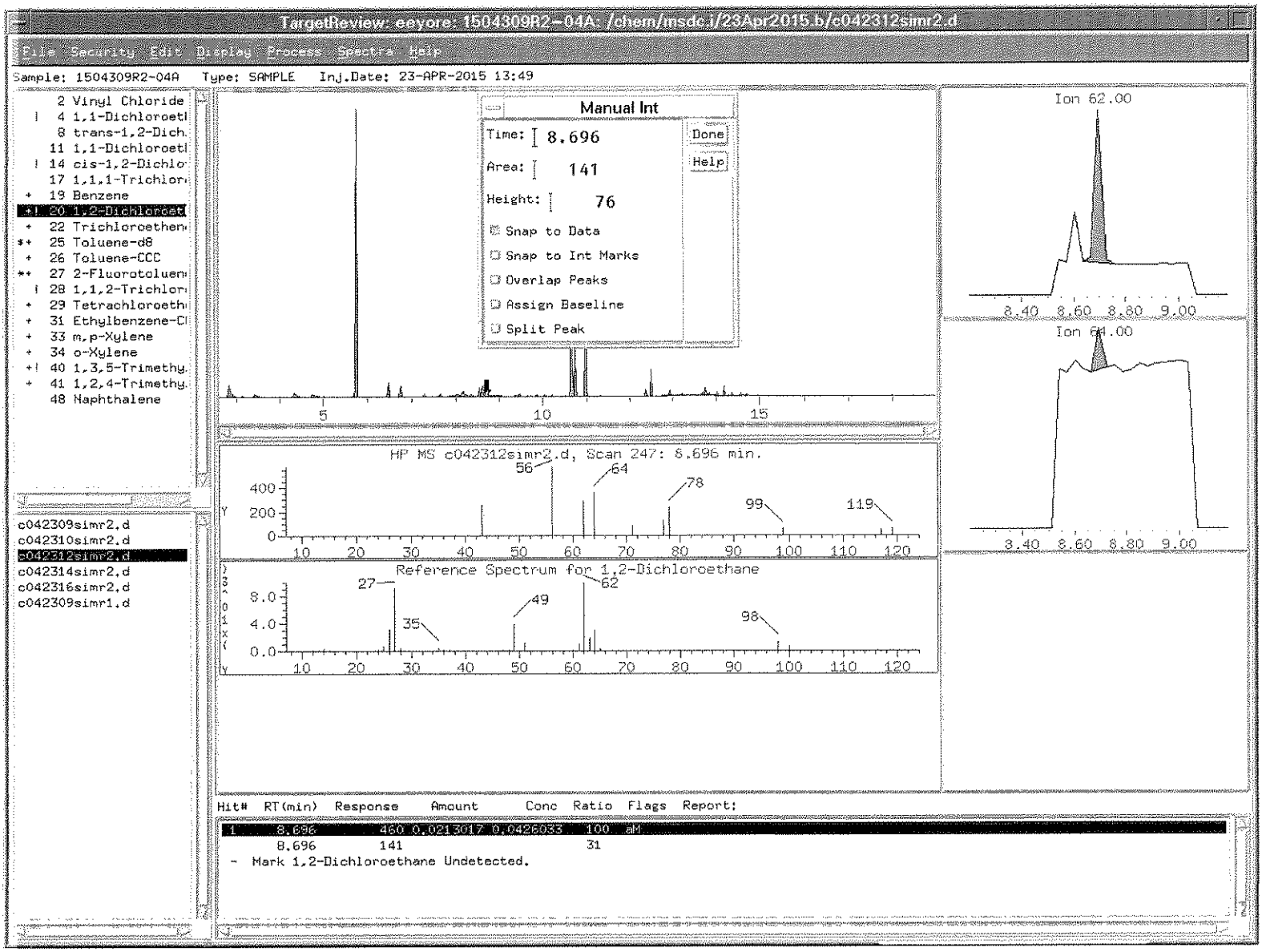
Correct Baseline
Split Peak
Merge Peak
Zoom In
Change Parameter
System Peak Subtraction
Peak Misidentified
Corrected Peak Integration



Before

gm

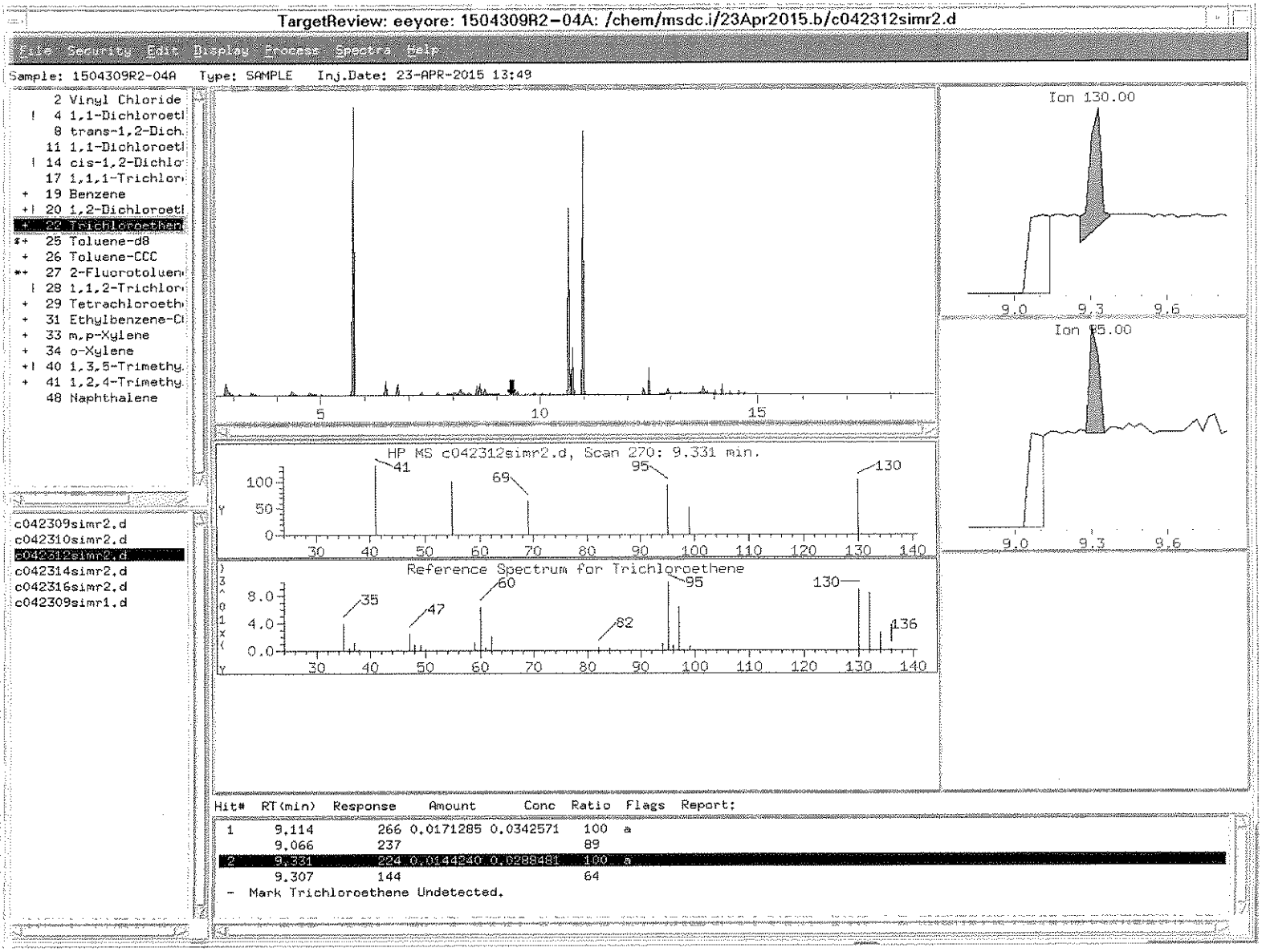
7/13/15



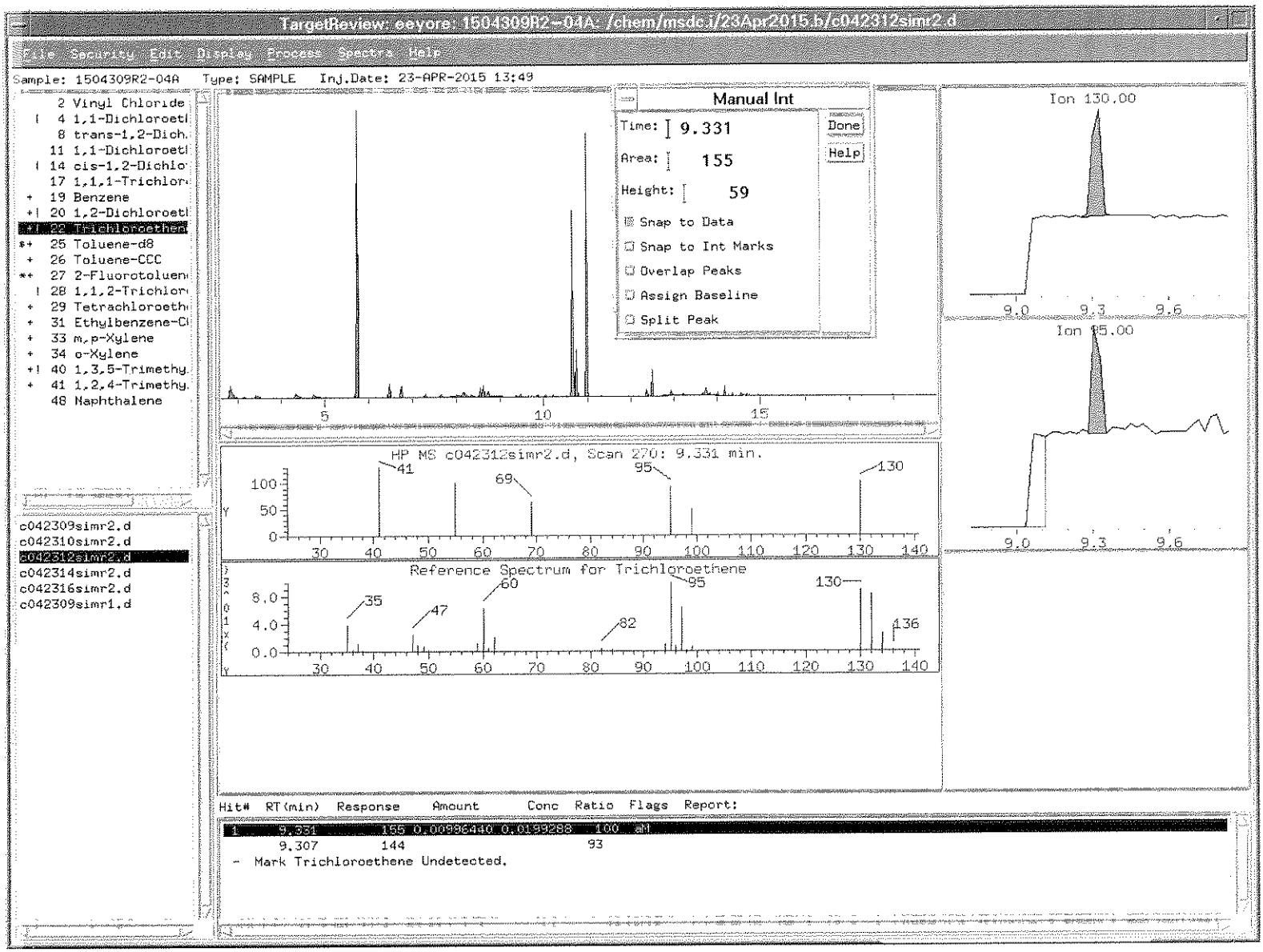
9m
7/13/15

After

Correct Baseline
Split Peak
Merge Peak
Zoom In
Change Parameter
System Peak Subtraction
Peak Misidentified
Corrected Peak Integration



Before
gm
7/13/15



9m 7/13/15

After

Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	
Corrected Peak Integration	

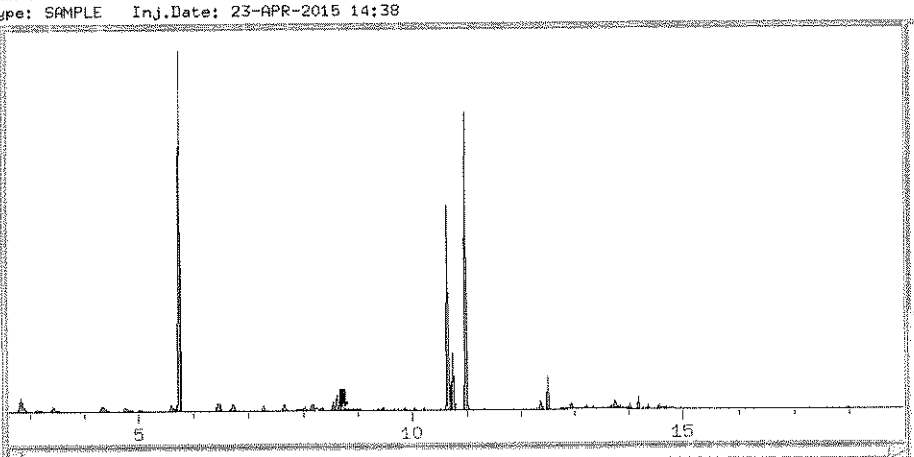
TargetReview: eeyore: 1504309R2-06A: /chem/msdc.i/23Apr2015.b/c042314simr2.d

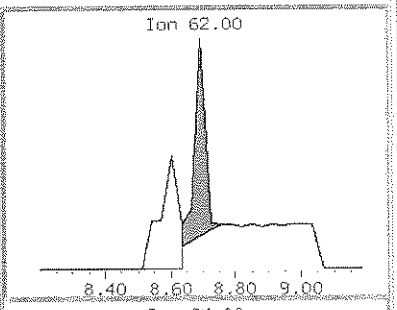
File Security Edit Display Process Spectra Help

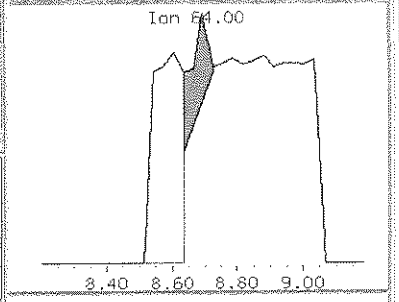
Sample: 1504309R2-06A Type: SAMPLE Inj.Date: 23-APR-2015 14:38

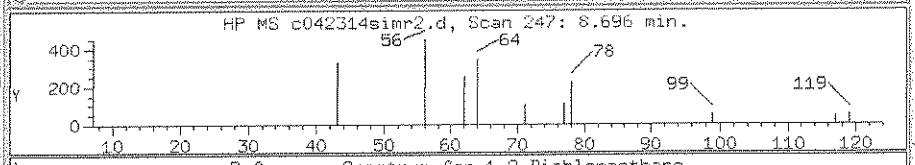
2 Vinyl Chloride
4 1,1-Dichloroetl
8 trans-1,2-Dich.
11 1,1-Dichloroetl
14 cis-1,2-Dichlo
17 1,1,1-Trichlor
19 Benzene
20 1,2-Dichloroet
22 Trichloroethen
25 Toluene-d8
26 Toluene-CCC
27 2-Fluorotoluen
28 1,1,2-Trichlor
29 Tetrachloroeth
31 Ethylbenzene-Cl
33 m,p-Xylene
34 o-Xylene
40 1,3,5-Trimethy
41 1,2,4-Trimethy
48 Naphthalene

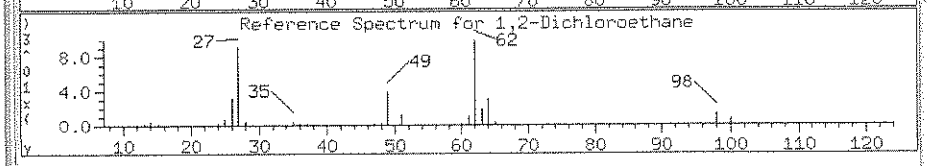
c042309simr2.d
c042310simr2.d
c042312simr2.d
c042314simr2.d
c042316simr2.d
c042309simr1.d







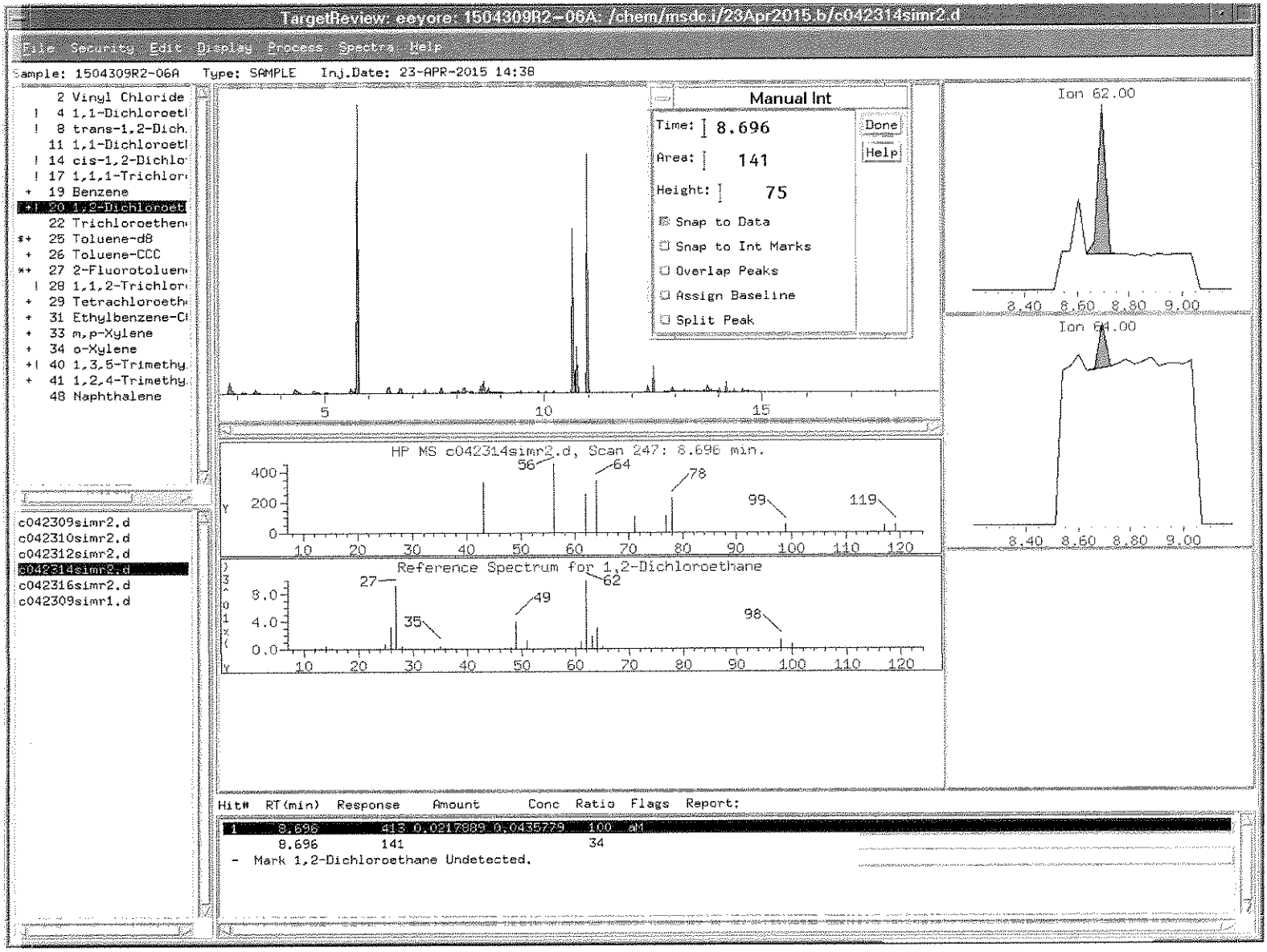




Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	8.603	514	0.0270973	0.0541946	100	a	
	8.603	1974			384		
2	8.696	528	0.0278354	0.0556707	100	a	
	8.696	562			106		

- Mark 1,2-Dichloroethane Undetected.

Before
gm
7/13/15



7/13/15

After

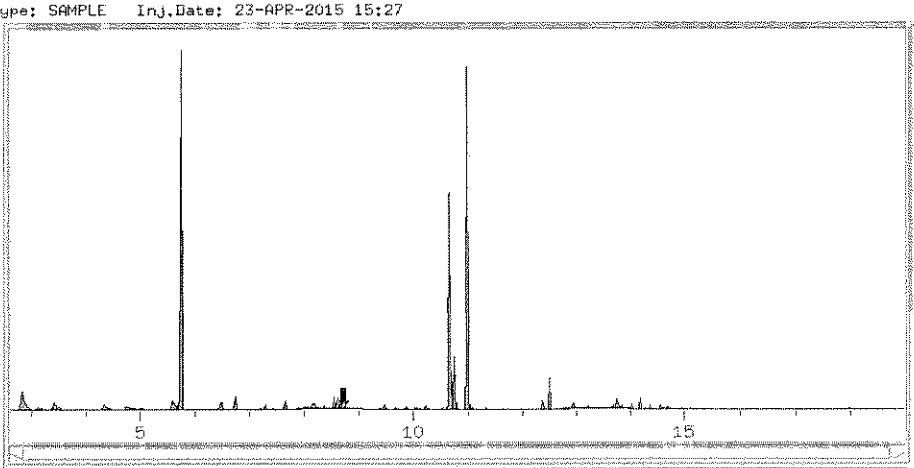
Correct Baseline	✓
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Misidentified	
Manual Peak Integration	

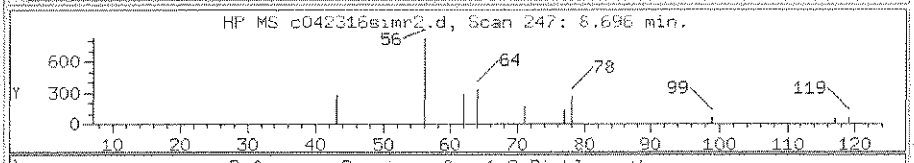
TargetReview: eeyore: 1504309R2-08A: /chem/msdc.i/23Apr2015.b/c042316simr2.d

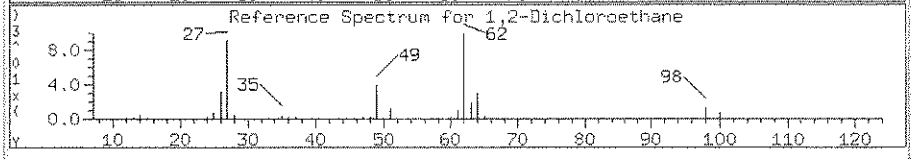
File Security Edit Display Process Spectra Help

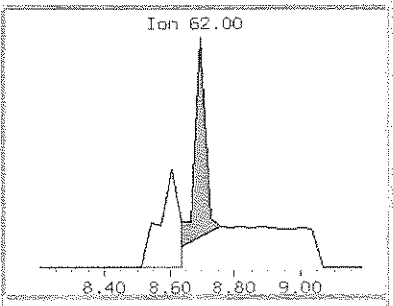
Sample: 1504309R2-08A Type: SAMPLE Inj.Date: 23-APR-2015 15:27

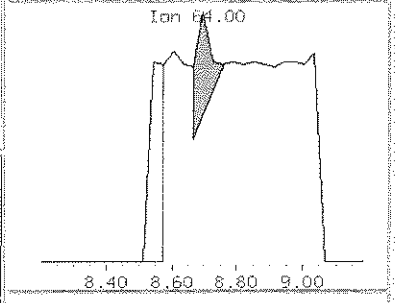
```
    2 Vinyl Chloride
  ! 4 1,1-Dichloroetl
    8 trans-1,2-Dich
   11 1,1-Dichloroetl
  ! 14 cis-1,2-Dichlo
   17 1,1,1-Trichlor
  + 19 Benzene
  * 20 1,2-Dichloroet
  + 22 Trichloroethen
 $+ 25 Toluene-d8
  + 26 Toluene-CCC
 ** 27 2-Fluorotoluen
  ! 28 1,1,2-Trichlor
  + 29 Tetrachloroeth
  + 31 Ethylbenzene-Cl
  + 33 m,p-Xylene
  + 34 o-Xylene
  +! 40 1,3,5-Trimethy
  + 41 1,2,4-Trimethy
   48 Naphthalene
```











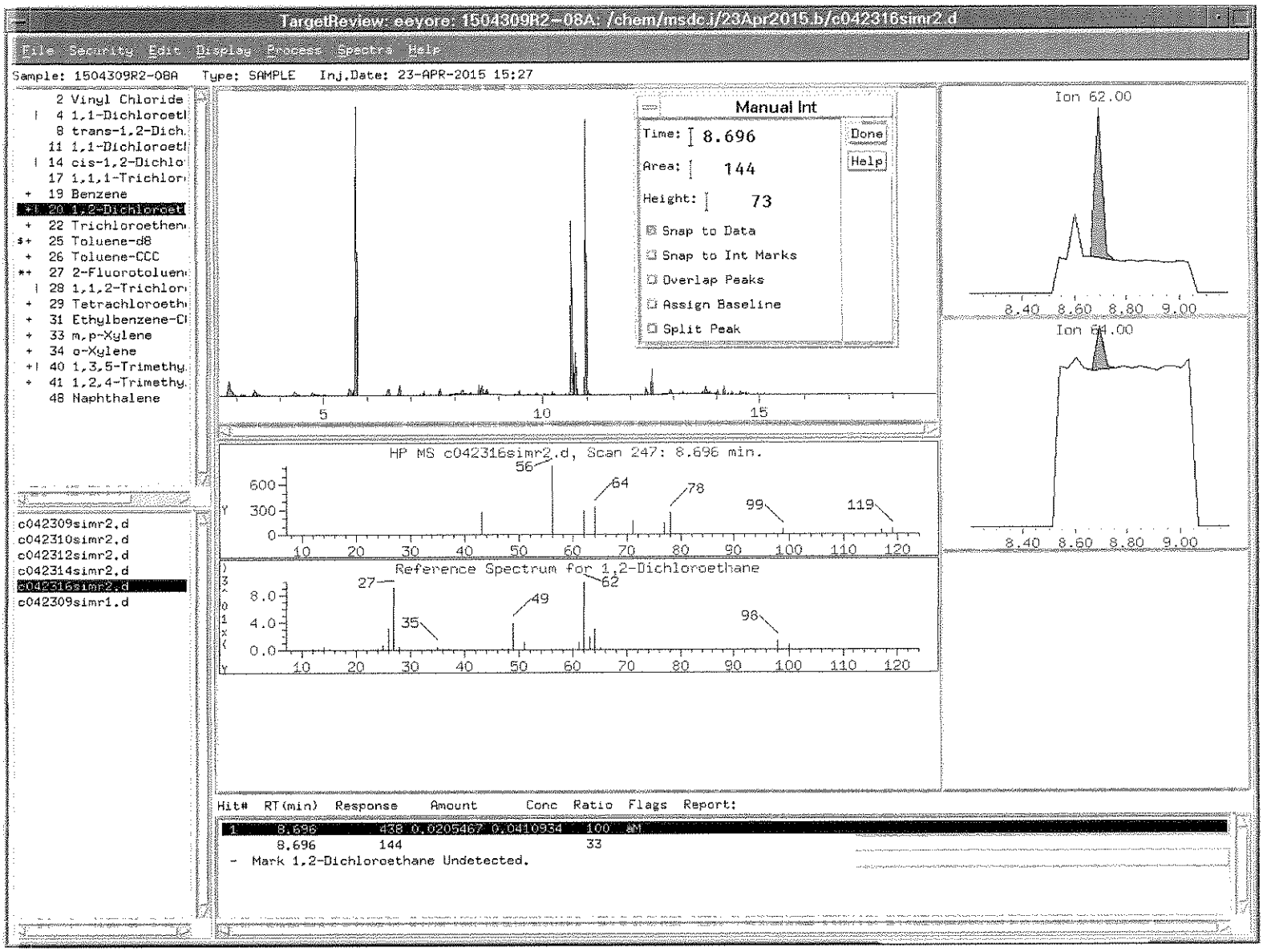

```
c042309simr2.d
c042310simr2.d
c042312simr2.d
c042314simr2.d
c042316simr2.d
c042309simr1.d
```

Hit#	RT(min)	Response	Amount	Conc	Ratio	Flags	Report:
1	8.603	517	0.0242408	0.0484817	100	a	
	8.542	987			191		
2	8.696	585	0.0274292	0.0548584	100	a	
	8.696	514			88		

\- Mark 1,2-Dichloroethane Undetected.

Before

gm
7/13/15



After	
Correct Baseline	
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Reidentified	
Manual Peak Integration	

7/13/15

Compound Listing

Passive SE GC/MS (Sp)-Gilbane (SAIA) v2

CAS Number	Compound	Detection Limit ug	Type
71-55-6	1,1,1-Trichloroethane	0.10	
71-43-2	Benzene	0.40	
107-06-2	1,2-Dichloroethane	0.10	
79-01-6	Trichloroethene	0.10	
108-88-3	Toluene	0.10	
127-18-4	Tetrachloroethene	0.10	
100-41-4	Ethyl Benzene	0.10	
108-38-3	m,p-Xylene	0.10	
95-47-6	o-Xylene	0.10	
91-20-3	Naphthalene	0.10	
75-34-3	1,1-Dichloroethane	0.10	
75-35-4	1,1-Dichloroethene	0.40	
156-59-2	cis-1,2-Dichloroethene	0.10	
156-60-5	trans-1,2-Dichloroethene	0.20	
79-00-5	1,1,2-Trichloroethane	0.10	
95-63-6	1,2,4-Trimethylbenzene	0.10	
108-67-8	1,3,5-Trimethylbenzene	0.10	
75-01-4	Vinyl Chloride	0.40	
2037-26-5	Toluene-d8		

Eurofins Air Toxics, Inc.	Data Review Checklist			Release Date: 03/26/15
Workorder # 1504309	Form F1.27	Revision #11	Revision date: 03/26/15	Page 1 of 2

S1	S2	S3	S4	D	***Section 1* – Spec Out**				
	✓				**Initials/Instrument/Date**	**S1:** MSD-e 5/11/15	**S2:**	**S3:**	**S4:**
✓				■	Project Identification (PID), Project Requirements Table (PRT), Daily QC and ICAL met Criteria				
✓				■	Lumen QC and ICAL evaluation (ref. SOP/Method) report initialed and in folder				
✓				■	Manual Integrations included and approved				
✓				✓	Chain of Custody verified for special comments (add comments below)				
✓				■	Non-standard Target sublist printed				
Profile, analyses, reporting, special notes and unusual circumstances:									

A1	A2	A3	A4	D	***Section 2* – Sample Analysis**				
	✓				**Initials/Date**	**A1:** 5/11/15	**A2:**	**A3:**	**A4:**
✓				✓	Internal Standard/Surrogate Recoveries, Dilution Factors, Load Volumes, Initial/Final Pressures, and Canister #s Verified				
✓				NA	**a)** Tedlar Bag IDs verified against COC **b)** Tedlar Bag ID confirmed with loading sequence/leg of instrument				
✓				✓	Manual Integrations/Bag or Can Dilution Forms/Re-pressurization Forms/Bag-Can Transfer Forms present (circle all that apply)				
✓				■	12/24 Hr clock time & Hold Time met for all samples				
✓				NA	Re-analysis of sample(s) have been evaluated for comparability and/or samples have been checked for trends (Inf/Eff).				
✓				✓	All runs have been evaluated for potential carry-over (TPHg/non-Target/over-range compounds etc)				
Analytical and special notes:									

D1	D2	D3	D4	T	3T	***Section 3* – Target Data Reduction**	**Technical Review Needed? Circle one: Yes/No**		**T:**	
						Initials/Instrument/ Date	**D1:** 5/11/15	**D2:**	**D3:**	**D4:**
NA					■	CAR # *(if applicable)*				
✓					■	Spectra Verified *(documentation of spectral defense included if applicable)*				
NA					■	TICs resemble reference spectra/ TICs between sample dups. are consistent *(if applicable)*				
✓						Lab Narrative is correct				
NA					■	TPH/NMOC calculations complete and included in folder				
Special notes:										

A	3T	***Section 4*- Atlas Data Entry**	**Lumen verified and included in folder**	**Circle one: Yes/No**
		Initials/Date: 5/11/15	**3rd Tier:** *(needed only for DOD or per client request)*	
NA		Sample Discrepancy Report (SDR) complete and approved *(if applicable)*		
✓		Manually entered results are checked		
✓		At least one result per sample is verified against Target quant sheets		
✓		Appropriate data qualifier flags are applied		
✓		Final Invoice is correct/ Final PDF report, COC and EDD reviewed and correct		
Special Notes:				

Note (1) *Please check all the appropriate boxes. Indicate "NA" for any statement that doesn't apply*
Note (2) 3rd Tier Report Reviewer and Write Up Reviewer must be separate individuals for DoD & Client Specific Projects

Workorder # :				Reason for Reissue:
1504309R1				to remove one compound and to report down to the MDL
W	T	3T	Q	
✓				Reissue Request form Present
✓				Client or QA or Lab contact present with reason for reissue
✓				Review all affected data
✓				Report header has correct R1, R2 etc
✓				The Lab Narrative clearly explains the reissue (Date, Reason and whether client requested)
✓				Date for Reissue in Report Header matches date in Lab Narrative
✓				Check Project Profile for correct reporting instructions (multiple clients, # hardcopies, etc)
NA				Corrective Action issued - #
✓				The reissued workorder has been approved by QA Manager or a Technical Director
Additional Comments:				

Write Up (Initials/Date)	Tech Review (Initials/Date)	*3rd Tier Review * 3rd Tier Report Review is for DoD & Client Specific projects only (Initials/Date)	QA Review (Initials/Date)
JM 5/10/15			

Workorder # :				Reason for Reissue:
1504309R2				to perform manual integrations and h TCE as ND for pest due to rounding error. JM 7/17/15
W	T	3T	Q	
✓			✓	Reissue Request form Present
✓			✓	Client or QA or Lab contact present with reason for reissue
✓			✓	Review all affected data
✓			✓	Report header has correct R1, R2 etc
✓			✓	The Lab Narrative clearly explains the reissue (Date, Reason and whether client requested)
✓			✓	Date for Reissue in Report Header matches date in Lab Narrative
✓			✓	Check Project Profile for correct reporting instructions (multiple clients, # hardcopies, etc)
NA			ND	Corrective Action issued - #
✓			✓	The reissued workorder has been approved by QA Manager or a Technical Director
Additional Comments:				

Write Up (Initials/Date)	Tech Review (Initials/Date)	*3rd Tier Review * 3rd Tier Report Review is for DoD & Client Specific projects only (Initials/Date)	QA Review (Initials/Date)
JM 7/17/15			SS 7/17/15

Note (1) *Please check all the appropriate boxes. Indicate "NA" for any statement that doesn't apply*
Note (2) 3rd Tier Report Reviewer and Write Up Reviewer must be separate individuals for DoD & Client Specific Projects

Not Applicable