TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: MAC591AC G0K200425-
Level: LOW Operator: LB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: A4DQK01.spk Quant Type: ISTD
Sublist File: A4DQKD4.sub
Method File: \\qsacca01\chem\HP11.i\112010.b\8260S.m
Misc Info: 2;SOIL;0;A4DQKD4.sub;;0;;5

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	80.1282	86.5290	107.99	68-116
$ 5 1,2-Dichloroethane	80.1282	83.4704	104.17	59-130
$ 6 Toluene-d8	80.1282	89.8868	112.18	85-115
$ 7 4-Bromofluorobenze	80.1282	68.7434	85.79	85-120

TestAmerica West Sacramento

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\112010.b\gas\SA111915.D
Lab Smp Id: MAC591AC G0K200425-
Inj Date : 21-NOV-2010 05:39
Operator : LB Inst ID: HP11.i
Smp Info : MAC591AC G0K200425-11 1X;CG;0;;;;;6.24
Misc Info : 2;SOIL;0;A4DQKD4.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\112010.b\gas\8260SGAS.M
Meth Date : 20-Nov-2010 22:57 beldenl Quant Type: AREA%
Cal Date : 15-JUL-2010 13:34 Cal File: GAS071508.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414TMP

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	6.240	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.958	1021353	577488	0.565	11.63	1 Dibromofluoromethan
5.251	814571	450134	0.553	9.28	2 1,2-Dichloroethane-
5.627	1004910	599182	0.596	11.44	3 1,4-Difluorobenzene
6.740	17080	9899	0.580	0.19	S 148 AK101
6.753	20942	12559	0.600	0.23	S 147 8015B (GRO)
6.815	20942	12559	0.600	0.23	S 152 GAS C6-C10
8.148	4562	2512	0.551		
9.511	12517	7387	0.590		
9.714	3862	2660	0.689		
6.916	2609961	1564561	0.599	28.59	5 Toluene-d8
7.940	24351	14239	0.585	0.27	S 151 Gas C6-C12
11.341	3409	1680	0.493		
8.222	1013152	610338	0.602	11.54	6 Chlorobenzene-d5
8.675	24351	14239	0.585	0.27	S 149 CALUFT

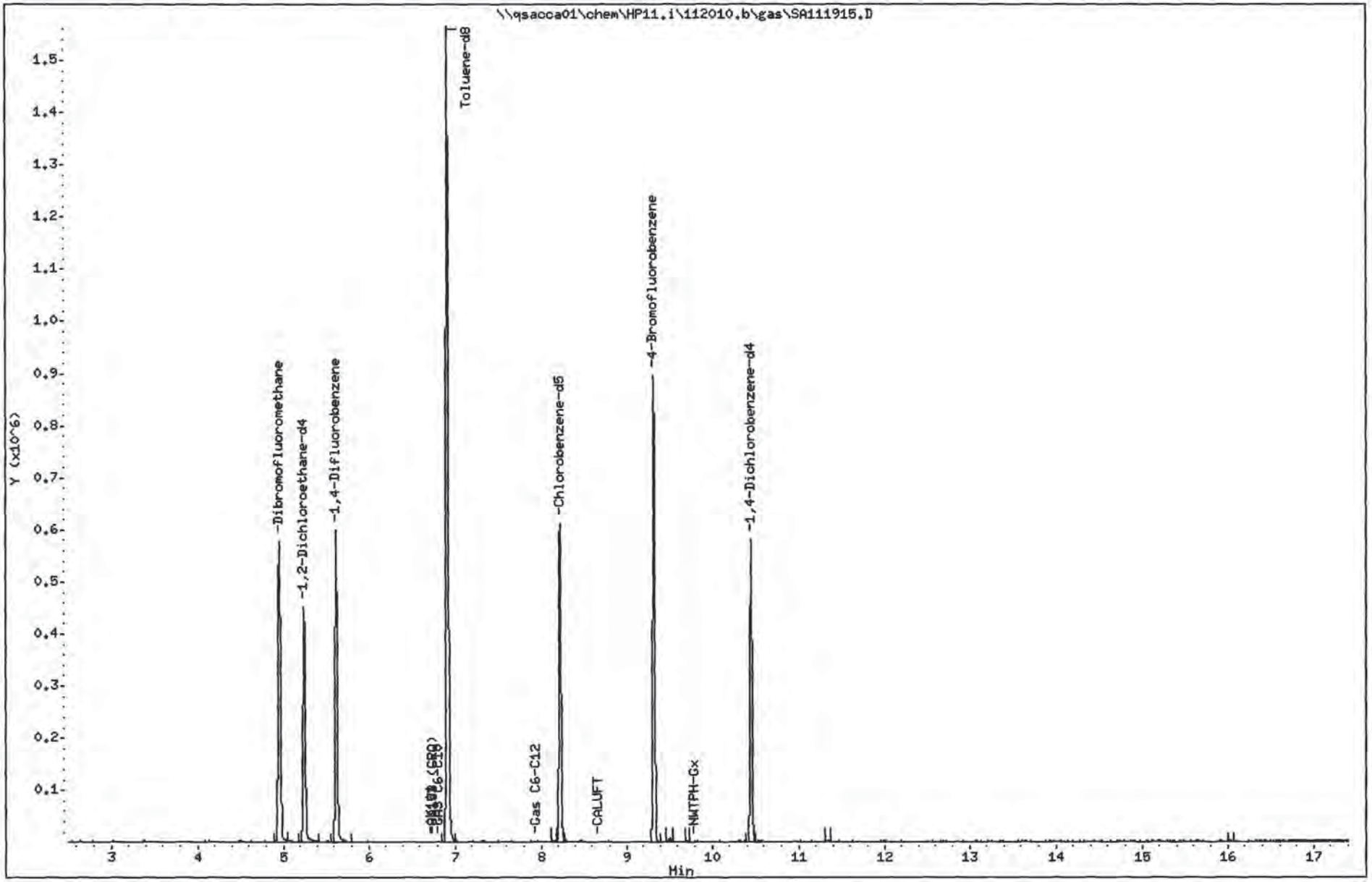
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.328	1387264	895360	0.645	15.80	7 4-Bromofluorobenzen
9.800	24351	14239	0.585	0.27	S 150 NWTPH-Gx
10.450	898060	579960	0.646	10.23	8 1,4-Dichlorobenzene
16.038	3006	1543	0.513	0.03	
	8776627	5292805		100.000	

Total unknown % area = 0.0300

Data File: \\qsacca01\chem\HP11.i\112010.b\gas\SA111915.D
Date : 21-NOV-2010 05:39
Client ID:
Sample Info: MAC591AC G0K200425-11 1X;CG;0;;;;;6.24

Instrument: HP11.i
Operator: LB
Column diameter: 0.53

Column phase: J&W DB-624



TestAmerica West Sacramento

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\112010.b\gas\SA111916.D
Lab Smp Id: MAC6C1AC G0K200425-
Inj Date : 21-NOV-2010 06:03
Operator : LB Inst ID: HP11.i
Smp Info : MAC6C1AC G0K200425-12 1X;CG;0;;;;;6.55
Misc Info : 2;SOIL;0;A4DQKD4.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\112010.b\gas\8260SGAS.M
Meth Date : 20-Nov-2010 22:57 beldenl Quant Type: ESTD
Cal Date : 15-JUL-2010 13:34 Cal File: GAS071508.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414TMP

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	6.550	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)	
3 1,4-Difluorobenzene	5.626	5.623	0.003	116276			(a)
6 Chlorobenzene-d5	8.221	8.221	0.000	146960			(a)
8 1,4-Dichlorobenzene-d4	10.446	10.446	0.000	105571			(a)
1 Dibromofluoromethane	4.958	4.954	0.004	128595			(a)
2 1,2-Dichloroethane-d4	5.247	5.244	0.003	113337			(a)
5 Toluene-d8	6.916	6.913	0.003	330459			(a)
7 4-Bromofluorobenzene	9.327	9.327	0.000	151683			(a)
S 147 8015B (GRO)	3.340-10.165			4644	0.18394	0.140	
S 148 AK101	3.830-9.650			4644	0.22936	0.175	
S 149 CALUFT	5.300-12.050			4644	0.22839	0.174	
S 150 NWTPH-Gx	6.870-12.730			4644	0.25871	0.197	
S 151 Gas C6-C12	3.830-12.050			4644	0.18382	0.140	
S 152 GAS C6-C10	3.830-9.800			4644	0.22378	0.171	(a)

LB 11/21/10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: MAC6C1AC G0K200425-
Level: LOW Operator: LB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: A4DQK01.spk Quant Type: ISTD
Sublist File: A4DQKD4.sub
Method File: \\qsacca01\chem\HP11.i\112010.b\8260S.m
Misc Info: 2;SOIL;0;A4DQKD4.sub;;0;;5

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	76.3359	89.5379	117.29*	68-116
$ 5 1,2-Dichloroethane	76.3359	97.4008	127.59	59-130
$ 6 Toluene-d8	76.3359	94.3938	123.66*	85-115
$ 7 4-Bromofluorobenze	76.3359	49.2988	64.58*	85-120

TestAmerica West Sacramento

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\112010.b\gas\SA111916.D
Lab Smp Id: MAC6C1AC G0K200425-
Inj Date : 21-NOV-2010 06:03
Operator : LB Inst ID: HP11.i
Smp Info : MAC6C1AC G0K200425-12 1X;CG;0;;;;;6.55
Misc Info : 2;SOIL;0;A4DQKD4.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\112010.b\gas\8260SGAS.M
Meth Date : 20-Nov-2010 22:57 beldenl Quant Type: AREA%
Cal Date : 15-JUL-2010 13:34 Cal File: GAS071508.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414TMP

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	6.550	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
1.588	29422	8610	0.293	2.61		
4.958	128595	69722	0.542	11.41	1	Dibromofluoromethan
5.247	113337	60398	0.533	10.05	2	1,2-Dichloroethane-
5.627	116277	65716	0.565	10.31	3	1,4-Difluorobenzene
6.740	4645	3144	0.677	0.41	S 148	AK101
6.753	4645	3144	0.677	0.41	S 147	8015B (GRO)
6.815	4645	3144	0.677	0.41	S 152	GAS C6-C10
9.511	4645	3144	0.677			
6.916	330459	186369	0.564	27.31	5	Toluene-d8
7.940	4645	3144	0.677	0.41	S 151	Gas C6-C12
8.222	146961	84349	0.574	13.04	6	Chlorobenzene-d5
8.675	4645	3144	0.677	0.41	S 149	CALUFT
9.328	151683	95568	0.630	13.45	7	4-Bromofluorobenzen

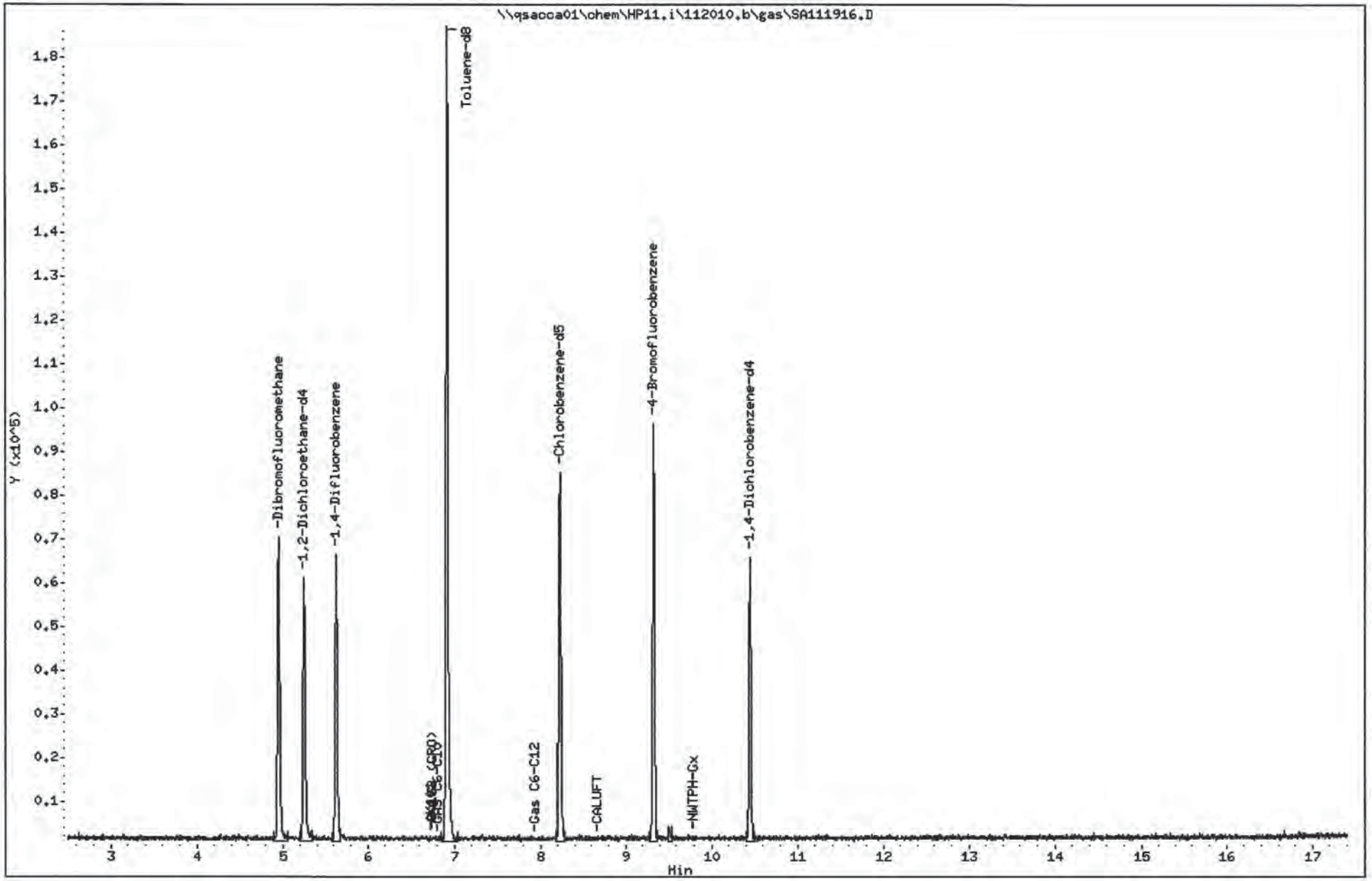
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.800	4645	3144	0.677	0.41	S 150 NWTPH-Gx
10.447	105572	64919	0.615	9.36	8 1,4-Dichlorobenzene
	1126952	638795		100.000	

Total unknown % area = 2.61

Data File: \\qsacca01\chem\HP11.i\112010.b\gas\SA111916.D
Date : 21-NOV-2010 06:03
Client ID:
Sample Info: MAC6C1AC G0K200425-12 1X;CG;0;;;;;6.55

Instrument: HP11.i
Operator: LB
Column diameter: 0.53

Column phase: J&W DB-624



TestAmerica West Sacramento

VOLATILE REPORT low level 8260

Data file : \\qsacca01\chem\HP11.i\112010.b\SA111919.D
Lab Smp Id: L9X951AN G0K120444-
Inj Date : 21-NOV-2010 08:26
Operator : LB Inst ID: HP11.i
Smp Info : L9X951AN G0K120444-5 1X;CG;0;;;;;5.37
Misc Info : 2;SOIL;0;A4DQKD4.sub;;0;;5
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\112010.b\8260S.M
Meth Date : 21-Nov-2010 21:11 beldenl Quant Type: ISTD
Cal Date : 17-NOV-2010 16:23 Cal File: HSL111708.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: A15QK3Y.sub
Target Version: 4.14
Processing Host: SACP414TMP

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.370	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	FINAL (ug/Kg)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	474563	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	382405	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.449	10.446	(1.000)	217706	50.0000	
$ 4	Dibromofluoromethane	111	4.958	4.954	(0.881)	323320	104.636	97.4266
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	267078	98.1072	91.3475
$ 6	Toluene-d8	98	6.916	6.916	(1.229)	972850	108.659	101.172
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	316249	90.0845	83.8775
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane (**)	50	Compound Not Detected.					
10	Vinyl Chloride (*)	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Trichlorotrifluoroethane	101	Compound Not Detected.					
17	1,1-Dichloroethene(*)	96	Compound Not Detected.					
18	Acetone	43	2.990	2.974	(0.531)	2074	2.70827	2.52167
21	Carbon disulfide	76	Compound Not Detected.					
22	Methylene Chloride	84	Compound Not Detected.					
23	t-Butanol	59	Compound Not Detected.					
25	Methyl-t-butyl-ether	73	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
30 1,1-Dichloroethane (**)	63	Compound Not Detected.					
33 2,2-Dichloropropane	77	Compound Not Detected.					
35 cis 1,2-Dichloroethene	96	Compound Not Detected.					
38 2-Butanone	43	Compound Not Detected.					
40 Bromochloromethane	128	Compound Not Detected.					
41 Chloroform (*)	83	Compound Not Detected.					
42 1,1,1-Trichloroethane	97	Compound Not Detected.					
43 Carbon Tetrachloride	117	Compound Not Detected.					
44 1,1-Dichloropropene	75	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 1,2-Dichloroethane	62	Compound Not Detected.					
49 Trichloroethene	95	Compound Not Detected.					
51 1,2-Dichloropropane(*)	63	Compound Not Detected.					
52 Dibromomethane	93	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene (xtr)	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene (*)	92	Compound Not Detected.					
60 trans-1,3-Dichloropropene(xt)	75	Compound Not Detected.					
61 1,1,2-Trichloroethane	97	Compound Not Detected.					
62 Tetrachloroethene	166	Compound Not Detected.					
63 1,3-Dichloropropane	76	Compound Not Detected.					
64 2-Hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
68 Chlorobenzene (**)	112	Compound Not Detected.					
69 Ethylbenzene (*)	106	Compound Not Detected.					
70 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
71 Xylenes (m,p)	106	Compound Not Detected.					
72 Xylene (o)	106	Compound Not Detected.					
73 Styrene	104	Compound Not Detected.					
74 Bromoform (**)	173	Compound Not Detected.					
75 Isopropylbenzene	105	Compound Not Detected.					
76 T-1,4-Dichloro-2-Butene	89	Compound Not Detected.					
77 Bromobenzene	156	Compound Not Detected.					
78 1,1,2,2-Tetrachloroethane(**)	83	Compound Not Detected.					
79 N-Propylbenzene	91	Compound Not Detected.					
80 1,2,3-Trichloropropane	110	Compound Not Detected.					
81 2-Chlorotoluene	91	Compound Not Detected.					
82 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 4-Chlorotoluene	91	Compound Not Detected.					
84 T-Butylbenzene	119	Compound Not Detected.					
85 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
86 Sec-Butylbenzene	105	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 P-Isopropyltoluene	119	Compound Not Detected.					
89 1,4-Dichlorobenzene	146	Compound Not Detected.					
90 N-Butylbenzene	91	Compound Not Detected.					
91 1,2-Dichlorobenzene	146	Compound Not Detected.					
92 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
93 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
94 Hexachlorobutadiene	225	Compound Not Detected.					
95 Naphthalene	128	Compound Not Detected.					
96 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)

TestAmerica West Sacramento

VOLATILE REPORT low level 8260

Data file : \\qsacca01\chem\HP11.i\112010.b\SA111919.D
Lab Smp Id: L9X951AN G0K120444-
Inj Date : 21-NOV-2010 08:26
Operator : LB Inst ID: HP11.i
Smp Info : L9X951AN G0K120444-5 1X;CG;0;;;;;5.37
Misc Info : 2;SOIL;0;A4DQKD4.sub;;0;;5
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\112010.b\8260S.m
Meth Date : 20-Nov-2010 23:07 beldenl Quant Type: ISTD
Cal Date : 17-NOV-2010 16:23 Cal File: HSL111708.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: A4DQKD4.sub
Target Version: 4.14
Processing Host: SACP414TMP

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.370	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	FINAL (ug/Kg)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	474563	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	382405	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.449	10.446	(1.000)	217706	50.0000	
$ 4	Dibromofluoromethane	111	4.958	4.954	(0.881)	323320	104.636	97.4266
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	267078	98.1072	91.3475
$ 6	Toluene-d8	98	6.916	6.916	(1.229)	972850	108.659	101.172
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	316249	90.0845	83.8775
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane (**)	50	Compound Not Detected.					
10	Vinyl Chloride (*)	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Trichlorotrifluoroethane	101	Compound Not Detected.					
17	1,1-Dichloroethene(*)	96	Compound Not Detected.					
18	Acetone	43	2.990	2.974	(0.531)	2074	2.70827	2.52167
21	Carbon disulfide	76	Compound Not Detected.					
22	Methylene Chloride	84	Compound Not Detected.					
23	t-Butanol	59	Compound Not Detected.					
25	Methyl-t-butyl-ether	73	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
27 Acrylonitrile	53	Compound Not Detected.					
30 1,1-Dichloroethane (**)	63	Compound Not Detected.					
31 Vinyl acetate	43	Compound Not Detected.					
33 2,2-Dichloropropane	77	Compound Not Detected.					
35 cis 1,2-Dichloroethene	96	Compound Not Detected.					
38 2-Butanone	43	Compound Not Detected.					
40 Bromochloromethane	128	Compound Not Detected.					
41 Chloroform (*)	83	Compound Not Detected.					
42 1,1,1-Trichloroethane	97	Compound Not Detected.					
43 Carbon Tetrachloride	117	Compound Not Detected.					
44 1,1-Dichloropropene	75	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 1,2-Dichloroethane	62	Compound Not Detected.					
49 Trichloroethene	95	Compound Not Detected.					
51 1,2-Dichloropropane(*)	63	Compound Not Detected.					
52 Dibromomethane	93	Compound Not Detected.					
53 1,4-Dioxane	88	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
55 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene (xtr)	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene (*)	92	Compound Not Detected.					
60 trans-1,3-Dichloropropene(xt)	75	Compound Not Detected.					
61 1,1,2-Trichloroethane	97	Compound Not Detected.					
62 Tetrachloroethene	166	Compound Not Detected.					
63 1,3-Dichloropropane	76	Compound Not Detected.					
64 2-Hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 1-Chlorohexane	91	Compound Not Detected.					
68 Chlorobenzene (**)	112	Compound Not Detected.					
69 Ethylbenzene (*)	106	Compound Not Detected.					
70 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
71 Xylenes (m,p)	106	Compound Not Detected.					
72 Xylene (o)	106	Compound Not Detected.					
73 Styrene	104	Compound Not Detected.					
74 Bromoform (**)	173	Compound Not Detected.					
75 Isopropylbenzene	105	Compound Not Detected.					
77 Bromobenzene	156	Compound Not Detected.					
78 1,1,2,2-Tetrachloroethane(**)	83	Compound Not Detected.					
79 N-Propylbenzene	91	Compound Not Detected.					
80 1,2,3-Trichloropropane	110	Compound Not Detected.					
81 2-Chlorotoluene	91	Compound Not Detected.					
82 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 4-Chlorotoluene	91	Compound Not Detected.					
84 T-Butylbenzene	119	Compound Not Detected.					
85 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
86 Sec-Butylbenzene	105	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 P-Isopropyltoluene	119	Compound Not Detected.					
89 1,4-Dichlorobenzene	146	Compound Not Detected.					
90 N-Butylbenzene	91	Compound Not Detected.					
91 1,2-Dichlorobenzene	146	Compound Not Detected.					
92 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
93	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
94	Hexachlorobutadiene	225	Compound Not Detected.					
95	Naphthalene	128	Compound Not Detected.					
96	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
M 97	1,2-Dichloroethene (Total)	96	Compound Not Detected.					
M 98	Xylenes (Total)	106	Compound Not Detected.					

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: SA111919.D
Lab Smp Id: L9X951AN G0K120444-
Analysis Type: VOA
Quant Type: ISTD
Operator: LB
Method File: \\qsacca01\chem\HP11.i\112010.b\8260S.M
Misc Info: 2;SOIL;0;A4DQKD4.sub;;0;;5

Calibration Date: 20-NOV-2010
Calibration Time: 22:03
Level: LOW
Sample Type: SOIL

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	614901	307451	1229802	474563	-22.82
2 Chlorobenzene-d5	501718	250859	1003436	382405	-23.78
3 1,4 Dichlorobenze	289308	144654	578616	217706	-24.75

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.63	5.13	6.13	5.63	0.00
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	0.03

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.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: L9X951AN G0K120444-
Level: LOW Operator: LB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: A4DQK01.spk Quant Type: ISTD
Sublist File: A4DQKD4.sub
Method File: \\qsacca01\chem\HP11.i\112010.b\8260S.m
Misc Info: 2;SOIL;0;A4DQKD4.sub;;0;;5

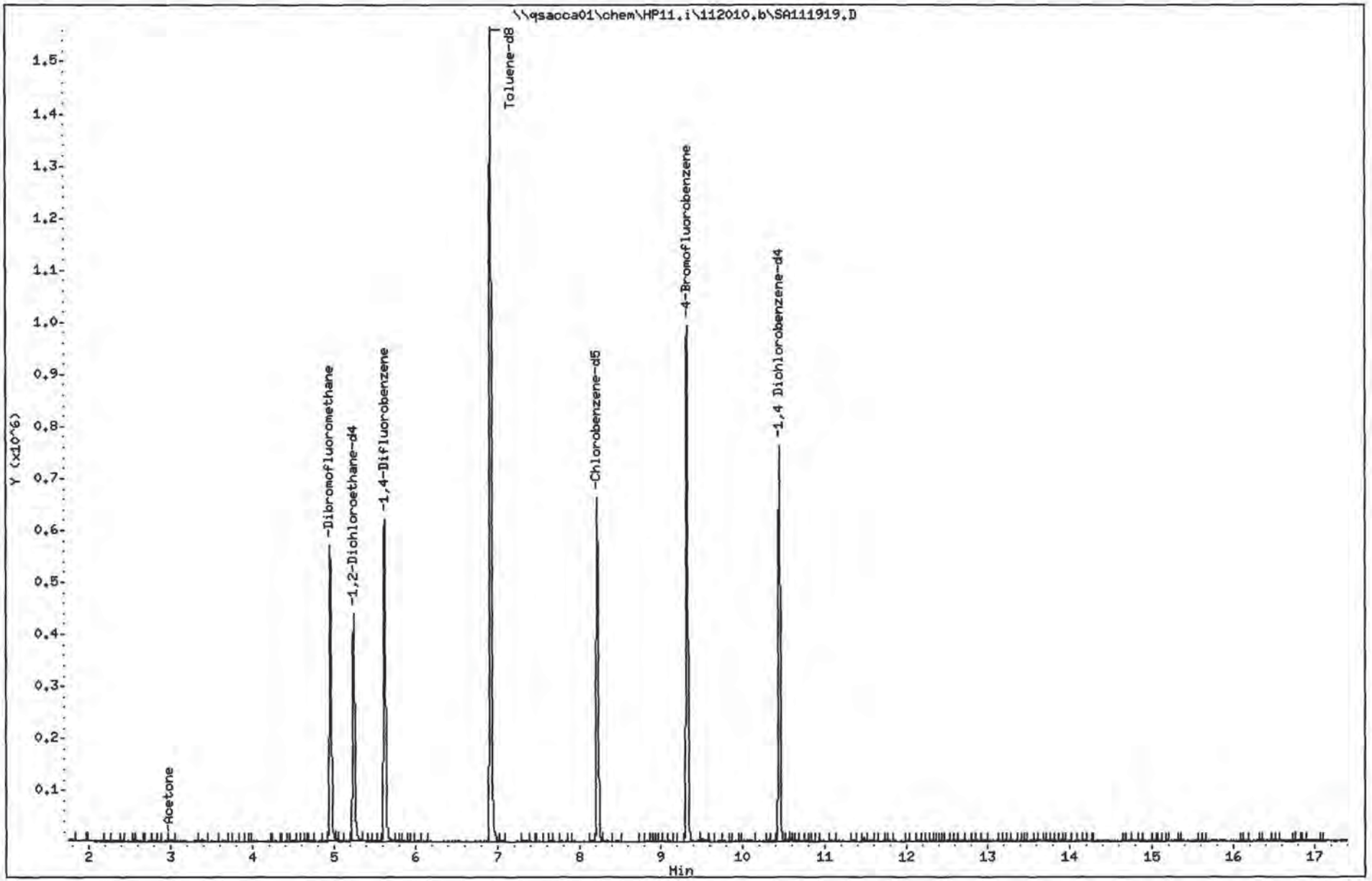
SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	93.1099	97.4266	104.64	68-116
$ 5 1,2-Dichloroethane	93.1099	91.3475	98.11	59-130
$ 6 Toluene-d8	93.1099	101.172	108.66	85-115
$ 7 4-Bromofluorobenze	93.1099	83.8775	90.08	85-120

Data File: \\qsacca01\chem\HP11.i\112010.b\SA111919.D
Date : 21-NOV-2010 08:26
Client ID:
Sample Info: L9X951AN G0K120444-5 1X;CG;0;;;;;5.37

Instrument: HP11.i

Operator: LB
Column diameter: 0.53

Column phase:



Data File: \\qsacca01\chem\HP11.i\112010.b\SA111919.D

Date : 21-NOV-2010 08:26

Client ID:

Instrument: HP11.i

Sample Info: L9X951AN G0K120444-5 1X;CG;0;;;;;5.37

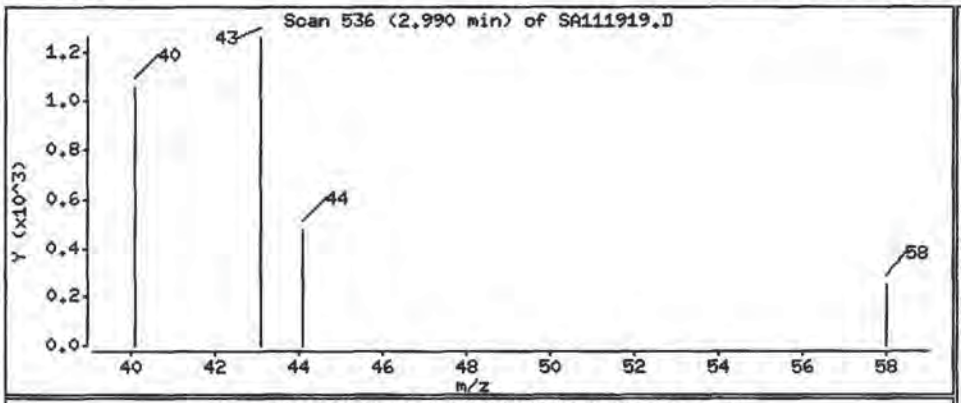
Operator: LB

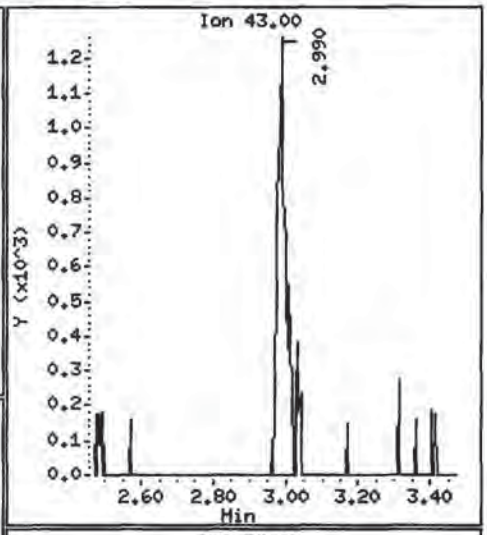
Column phase:

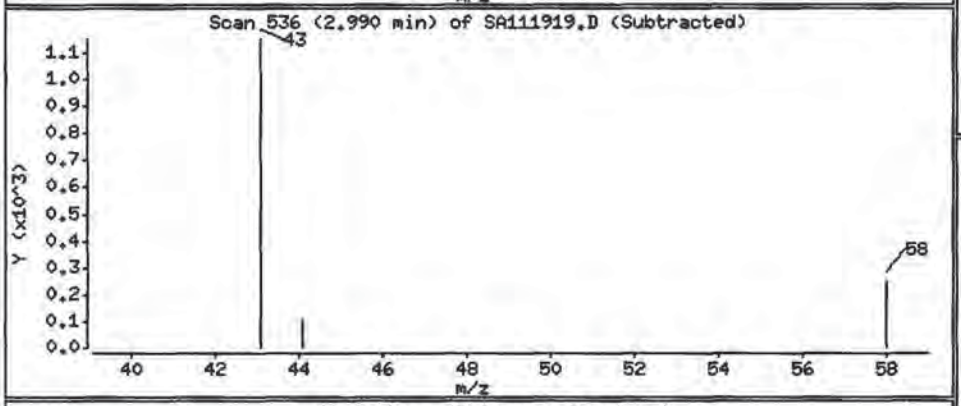
Column diameter: 0.53

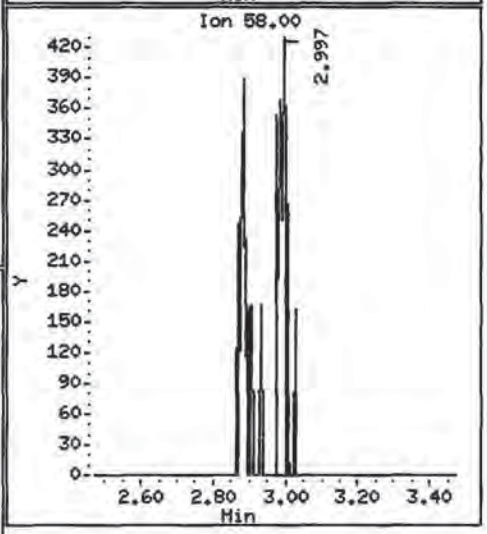
18 Acetone

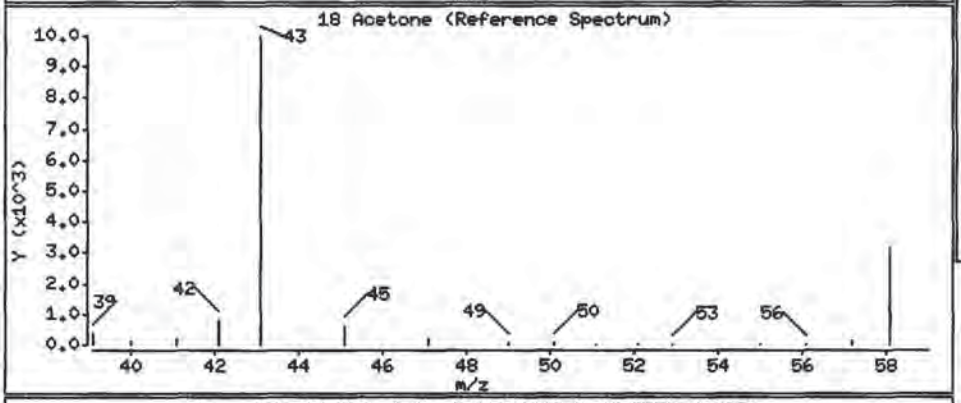
Concentration: 2.52167 ug/Kg

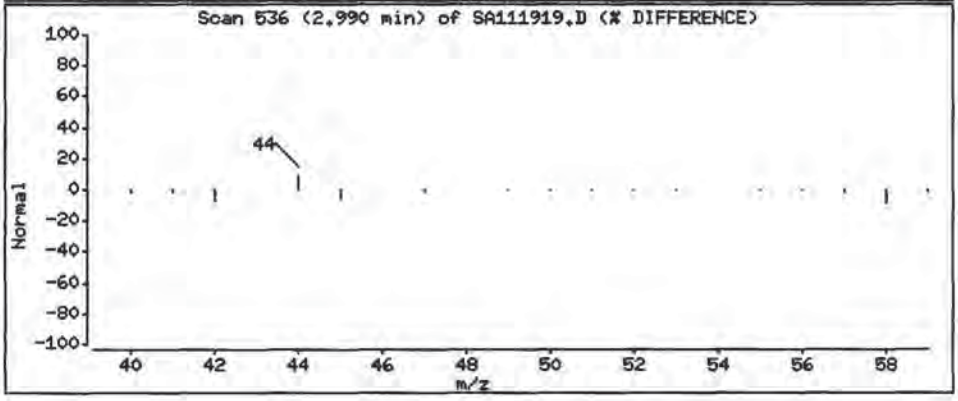












TestAmerica West Sacramento

VOLATILE REPORT low level 8260

Data file : \\qsacca01\chem\HP11.i\112010.b\SA111920.D
Lab Smp Id: L9X961AN G0K120444-
Inj Date : 21-NOV-2010 08:50
Operator : LB Inst ID: HP11.i
Smp Info : L9X961AN G0K120444-6 1X;CG;0;;;;;5.41
Misc Info : 2;SOIL;0;A4DQKD4.sub;;0;;5
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\112010.b\8260S.M
Meth Date : 21-Nov-2010 21:11 beldenl Quant Type: ISTD
Cal Date : 17-NOV-2010 16:23 Cal File: HSL111708.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: A15QK3Y.sub
Target Version: 4.14
Processing Host: SACP414TMP

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.410	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	FINAL (ug/Kg)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	460228	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	377511	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.449	10.446	(1.000)	209946	50.0000	
$ 4	Dibromofluoromethane	111	4.957	4.954	(0.881)	323999	108.122	99.9278
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	273872	103.736	95.8747
$ 6	Toluene-d8	98	6.912	6.916	(1.229)	998983	115.053	106.334
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	321497	92.7666	85.7362
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane (**)	50	Compound Not Detected.					
10	Vinyl Chloride (*)	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Trichlorotrifluoroethane	101	Compound Not Detected.					
17	1,1-Dichloroethene(*)	96	Compound Not Detected.					
18	Acetone	43	Compound Not Detected.					
21	Carbon disulfide	76	Compound Not Detected.					
22	Methylene Chloride	84	Compound Not Detected.					
23	t-Butanol	59	Compound Not Detected.					
25	Methyl-t-butyl-ether	73	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					

dB 11/21/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
30	1,1-Dichloroethane (**)	63	Compound Not Detected.					
33	2,2-Dichloropropane	77	Compound Not Detected.					
35	cis 1,2-Dichloroethene	96	Compound Not Detected.					
38	2-Butanone	43	Compound Not Detected.					
40	Bromochloromethane	128	Compound Not Detected.					
41	Chloroform (*)	83	Compound Not Detected.					
42	1,1,1-Trichloroethane	97	Compound Not Detected.					
43	Carbon Tetrachloride	117	Compound Not Detected.					
44	1,1-Dichloropropene	75	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	1,2-Dichloroethane	62	Compound Not Detected.					
49	Trichloroethene	95	Compound Not Detected.					
51	1,2-Dichloropropane(*)	63	Compound Not Detected.					
52	Dibromomethane	93	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
56	cis-1,3-Dichloropropene (xtr)	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene (*)	92	Compound Not Detected.					
60	trans-1,3-Dichloropropene(xt)	75	Compound Not Detected.					
61	1,1,2-Trichloroethane	97	Compound Not Detected.					
62	Tetrachloroethene	166	Compound Not Detected.					
63	1,3-Dichloropropane	76	Compound Not Detected.					
64	2-Hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
68	Chlorobenzene (**)	112	Compound Not Detected.					
69	Ethylbenzene (*)	106	Compound Not Detected.					
70	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
71	Xylenes (m,p)	106	Compound Not Detected.					
72	Xylene (o)	106	Compound Not Detected.					
73	Styrene	104	Compound Not Detected.					
74	Bromoform (**)	173	Compound Not Detected.					
75	Isopropylbenzene	105	Compound Not Detected.					
76	T-1,4-Dichloro-2-Butene	89	Compound Not Detected.					
77	Bromobenzene	156	Compound Not Detected.					
78	1,1,2,2-Tetrachloroethane(**)	83	Compound Not Detected.					
79	N-Propylbenzene	91	Compound Not Detected.					
80	1,2,3-Trichloropropane	110	Compound Not Detected.					
81	2-Chlorotoluene	91	Compound Not Detected.					
82	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83	4-Chlorotoluene	91	Compound Not Detected.					
84	T-Butylbenzene	119	Compound Not Detected.					
85	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
86	Sec-Butylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	P-Isopropyltoluene	119	Compound Not Detected.					
89	1,4-Dichlorobenzene	146	Compound Not Detected.					
90	N-Butylbenzene	91	Compound Not Detected.					
91	1,2-Dichlorobenzene	146	Compound Not Detected.					
92	1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
93	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
94	Hexachlorobutadiene	225	Compound Not Detected.					
95	Naphthalene	128	Compound Not Detected.					
96	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)

TestAmerica West Sacramento

VOLATILE REPORT low level 8260

Data file : \\qsacca01\chem\HP11.i\112010.b\SA111920.D
Lab Smp Id: L9X961AN G0K120444-
Inj Date : 21-NOV-2010 08:50
Operator : LB Inst ID: HP11.i
Smp Info : L9X961AN G0K120444-6 1X;CG;0;;;;;5.41
Misc Info : 2;SOIL;0;A4DQKD4.sub;;0;;5
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\112010.b\8260S.m
Meth Date : 20-Nov-2010 23:07 beldenl Quant Type: ISTD
Cal Date : 17-NOV-2010 16:23 Cal File: HSL111708.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: A4DQKD4.sub
Target Version: 4.14
Processing Host: SACP414TMP

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.410	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	460228	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	377511	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.449	10.446	(1.000)	209946	50.0000	
$ 4	Dibromofluoromethane	111	4.957	4.954	(0.881)	323999	108.122	99.9278
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	273872	103.736	95.8747
$ 6	Toluene-d8	98	6.912	6.916	(1.229)	998983	115.053	106.334 (R) ok
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	321497	92.7666	85.7362
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane (**)	50	Compound Not Detected.					
10	Vinyl Chloride (*)	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Trichlorotrifluoroethane	101	Compound Not Detected.					
17	1,1-Dichloroethene(*)	96	Compound Not Detected.					
18	Acetone	43	Compound Not Detected.					
21	Carbon disulfide	76	Compound Not Detected.					
22	Methylene Chloride	84	Compound Not Detected.					
23	t-Butanol	59	Compound Not Detected.					
25	Methyl-t-butyl-ether	73	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
27 Acrylonitrile	53	Compound Not Detected.					
30 1,1-Dichloroethane (**)	63	Compound Not Detected.					
31 Vinyl acetate	43	Compound Not Detected.					
33 2,2-Dichloropropane	77	Compound Not Detected.					
35 cis 1,2-Dichloroethene	96	Compound Not Detected.					
38 2-Butanone	43	Compound Not Detected.					
40 Bromochloromethane	128	Compound Not Detected.					
41 Chloroform (*)	83	Compound Not Detected.					
42 1,1,1-Trichloroethane	97	Compound Not Detected.					
43 Carbon Tetrachloride	117	Compound Not Detected.					
44 1,1-Dichloropropene	75	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 1,2-Dichloroethane	62	Compound Not Detected.					
49 Trichloroethene	95	Compound Not Detected.					
51 1,2-Dichloropropane(*)	63	Compound Not Detected.					
52 Dibromomethane	93	Compound Not Detected.					
53 1,4-Dioxane	88	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
55 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene (xtr)	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene (*)	92	Compound Not Detected.					
60 trans-1,3-Dichloropropene(xt)	75	Compound Not Detected.					
61 1,1,2-Trichloroethane	97	Compound Not Detected.					
62 Tetrachloroethene	166	Compound Not Detected.					
63 1,3-Dichloropropane	76	Compound Not Detected.					
64 2-Hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 1-Chlorohexane	91	Compound Not Detected.					
68 Chlorobenzene (**)	112	Compound Not Detected.					
69 Ethylbenzene (*)	106	Compound Not Detected.					
70 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
71 Xylenes (m,p)	106	Compound Not Detected.					
72 Xylene (o)	106	Compound Not Detected.					
73 Styrene	104	Compound Not Detected.					
74 Bromoform (**)	173	Compound Not Detected.					
75 Isopropylbenzene	105	Compound Not Detected.					
77 Bromobenzene	156	Compound Not Detected.					
78 1,1,2,2-Tetrachloroethane(**)	83	Compound Not Detected.					
79 N-Propylbenzene	91	Compound Not Detected.					
80 1,2,3-Trichloropropane	110	Compound Not Detected.					
81 2-Chlorotoluene	91	Compound Not Detected.					
82 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 4-Chlorotoluene	91	Compound Not Detected.					
84 T-Butylbenzene	119	Compound Not Detected.					
85 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
86 Sec-Butylbenzene	105	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 P-Isopropyltoluene	119	Compound Not Detected.					
89 1,4-Dichlorobenzene	146	Compound Not Detected.					
90 N-Butylbenzene	91	Compound Not Detected.					
91 1,2-Dichlorobenzene	146	Compound Not Detected.					
92 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
93	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
94	Hexachlorobutadiene	225	Compound Not Detected.					
95	Naphthalene	128	Compound Not Detected.					
96	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
M 97	1,2-Dichloroethene (Total)	96	Compound Not Detected.					
M 98	Xylenes (Total)	106	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: SA111920.D
Lab Smp Id: L9X961AN G0K120444-
Analysis Type: VOA
Quant Type: ISTD
Operator: LB
Method File: \\qsacca01\chem\HP11.i\112010.b\8260S.M
Misc Info: 2;SOIL;0;A4DQKD4.sub;;0;;5

Calibration Date: 20-NOV-2010
Calibration Time: 22:03
Level: LOW
Sample Type: SOIL

Test Mode:
Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	614901	307451	1229802	460228	-25.15
2 Chlorobenzene-d5	501718	250859	1003436	377511	-24.76
3 1,4 Dichlorobenze	289308	144654	578616	209946	-27.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.63	5.13	6.13	5.63	0.00
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	0.03

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.

TestAmerica West Sacramento

RECOVERY REPORT

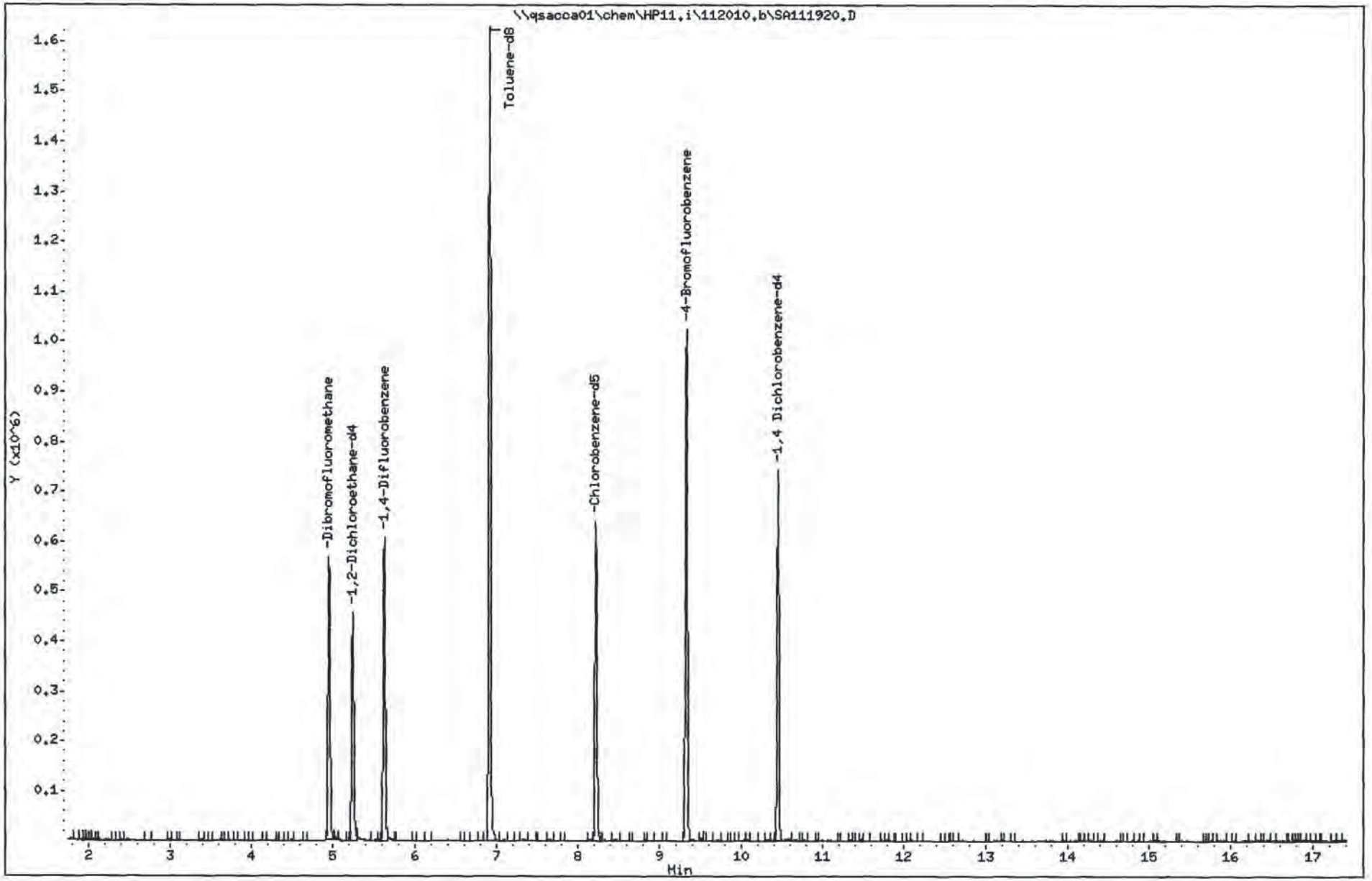
Client Name: Client SDG: I80
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: L9X961AN G0K120444-
Level: LOW Operator: LB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: A4DQK01.spk Quant Type: ISTD
Sublist File: A4DQKD4.sub
Method File: \\qsacca01\chem\HP11.i\112010.b\8260S.m
Misc Info: 2;SOIL;0;A4DQKD4.sub;;0;;5

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	92.4214	99.9278	108.12	68-116
$ 5 1,2-Dichloroethane	92.4214	95.8747	103.74	59-130
$ 6 Toluene-d8	92.4214	106.334	115.05*	85-115
$ 7 4-Bromofluorobenze	92.4214	85.7362	92.77	85-120

Data File: \\qsacca01\chem\HP11.i\112010.b\SA111920.D
Date : 21-NOV-2010 08:50
Client ID:
Sample Info: L9X961AN G0K120444-6 1X;CC;0;;;;;5.41

Instrument: HP11.i
Operator: LB
Column diameter: 0.53

Column phase:



Test America West Sacramento (916) 373 - 5600

TestAmerica West Sacramento

VOLATILE REPORT low level 8260

Data file : \\qsacca01\chem\HP11.i\112010.b\SA111921.D
Lab Smp Id: L9X981AN G0K120444-
Inj Date : 21-NOV-2010 09:13
Operator : LB Inst ID: HP11.i
Smp Info : L9X981AN G0K120444-7 1X;CG;0;;;;;6.20
Misc Info : 2;SOIL;0;A4DQKD4.sub;;0;;5
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\112010.b\8260S.M
Meth Date : 21-Nov-2010 21:11 beldenl Quant Type: ISTD
Cal Date : 17-NOV-2010 16:23 Cal File: HSL111708.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: A15QK3Y.sub
Target Version: 4.14
Processing Host: SACP414TMP

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	6.200	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	482818	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	392481	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.449	10.446	(1.000)	223430	50.0000	
$ 4	Dibromofluoromethane	111	4.954	4.954	(0.881)	320860	102.065	82.3102
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	274527	99.1193	79.9349
$ 6	Toluene-d8	98	6.912	6.916	(1.229)	988179	108.484	87.4873
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	318190	88.3105	71.2181
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane (**)	50	Compound Not Detected.					
10	Vinyl Chloride (*)	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Trichlorotrifluoroethane	101	Compound Not Detected.					
17	1,1-Dichloroethene(*)	96	Compound Not Detected.					
18	Acetone	43	Compound Not Detected.					
21	Carbon disulfide	76	Compound Not Detected.					
22	Methylene Chloride	84	Compound Not Detected.					
23	t-Butanol	59	Compound Not Detected.					
25	Methyl-t-butyl-ether	73	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					

AB 11/21/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
30 1,1-Dichloroethane (**)	63	Compound Not Detected.					
33 2,2-Dichloropropane	77	Compound Not Detected.					
35 cis 1,2-Dichloroethene	96	Compound Not Detected.					
38 2-Butanone	43	Compound Not Detected.					
40 Bromochloromethane	128	Compound Not Detected.					
41 Chloroform (*)	83	Compound Not Detected.					
42 1,1,1-Trichloroethane	97	Compound Not Detected.					
43 Carbon Tetrachloride	117	Compound Not Detected.					
44 1,1-Dichloropropene	75	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 1,2-Dichloroethane	62	Compound Not Detected.					
49 Trichloroethene	95	Compound Not Detected.					
51 1,2-Dichloropropane(*)	63	Compound Not Detected.					
52 Dibromomethane	93	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
56 cis-1,3-Dichloropropene (xtr)	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene (*)	92	Compound Not Detected.					
60 trans-1,3-Dichloropropene(xt)	75	Compound Not Detected.					
61 1,1,2-Trichloroethane	97	Compound Not Detected.					
62 Tetrachloroethene	166	Compound Not Detected.					
63 1,3-Dichloropropane	76	Compound Not Detected.					
64 2-Hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
68 Chlorobenzene (**)	112	Compound Not Detected.					
69 Ethylbenzene (*)	106	Compound Not Detected.					
70 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
71 Xylenes (m,p)	106	Compound Not Detected.					
72 Xylene (o)	106	Compound Not Detected.					
73 Styrene	104	Compound Not Detected.					
74 Bromoform (**)	173	Compound Not Detected.					
75 Isopropylbenzene	105	Compound Not Detected.					
76 T-1,4-Dichloro-2-Butene	89	Compound Not Detected.					
77 Bromobenzene	156	Compound Not Detected.					
78 1,1,2,2-Tetrachloroethane(**)	83	Compound Not Detected.					
79 N-Propylbenzene	91	Compound Not Detected.					
80 1,2,3-Trichloropropane	110	Compound Not Detected.					
81 2-Chlorotoluene	91	Compound Not Detected.					
82 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 4-Chlorotoluene	91	Compound Not Detected.					
84 T-Butylbenzene	119	Compound Not Detected.					
85 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
86 Sec-Butylbenzene	105	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 P-Isopropyltoluene	119	Compound Not Detected.					
89 1,4-Dichlorobenzene	146	Compound Not Detected.					
90 N-Butylbenzene	91	Compound Not Detected.					
91 1,2-Dichlorobenzene	146	Compound Not Detected.					
92 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
93 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
94 Hexachlorobutadiene	225	Compound Not Detected.					
95 Naphthalene	128	Compound Not Detected.					
96 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)

TestAmerica West Sacramento

VOLATILE REPORT low level 8260

Data file : \\qsacca01\chem\HP11.i\112010.b\SA111921.D
Lab Smp Id: L9X981AN G0K120444-
Inj Date : 21-NOV-2010 09:13
Operator : LB Inst ID: HP11.i
Smp Info : L9X981AN G0K120444-7 1X;CG;0;;;;;6.20
Misc Info : 2;SOIL;0;A4DQKD4.sub;;0;;5
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\112010.b\8260S.m
Meth Date : 20-Nov-2010 23:07 beldenl Quant Type: ISTD
Cal Date : 17-NOV-2010 16:23 Cal File: HSL111708.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: A4DQKD4.sub
Target Version: 4.14
Processing Host: SACP414TMP

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	6.200	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	482818	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	392481	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.449	10.446	(1.000)	223430	50.0000	
$ 4	Dibromofluoromethane	111	4.954	4.954	(0.881)	320860	102.065	82.3102
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	274527	99.1193	79.9349
$ 6	Toluene-d8	98	6.912	6.916	(1.229)	988179	108.484	87.4873
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	318190	88.3105	71.2181
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane (**)	50	Compound Not Detected.					
10	Vinyl Chloride (*)	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Trichlorotrifluoroethane	101	Compound Not Detected.					
17	1,1-Dichloroethene(*)	96	Compound Not Detected.					
18	Acetone	43	Compound Not Detected.					
21	Carbon disulfide	76	Compound Not Detected.					
22	Methylene Chloride	84	Compound Not Detected.					
23	t-Butanol	59	Compound Not Detected.					
25	Methyl-t-butyl-ether	73	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					

LB 11/21/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
27 Acrylonitrile	53	Compound Not Detected.					
30 1,1-Dichloroethane (**)	63	Compound Not Detected.					
31 Vinyl acetate	43	Compound Not Detected.					
33 2,2-Dichloropropane	77	Compound Not Detected.					
35 cis 1,2-Dichloroethene	96	Compound Not Detected.					
38 2-Butanone	43	Compound Not Detected.					
40 Bromochloromethane	128	Compound Not Detected.					
41 Chloroform (*)	83	Compound Not Detected.					
42 1,1,1-Trichloroethane	97	Compound Not Detected.					
43 Carbon Tetrachloride	117	Compound Not Detected.					
44 1,1-Dichloropropene	75	Compound Not Detected.					
47 Benzene	78	Compound Not Detected.					
48 1,2-Dichloroethane	62	Compound Not Detected.					
49 Trichloroethene	95	Compound Not Detected.					
51 1,2-Dichloropropane(*)	63	Compound Not Detected.					
52 Dibromomethane	93	Compound Not Detected.					
53 1,4-Dioxane	88	Compound Not Detected.					
54 Bromodichloromethane	83	Compound Not Detected.					
55 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
56 cis-1,3-Dichloropropene (xtr)	75	Compound Not Detected.					
57 4-Methyl-2-pentanone	43	Compound Not Detected.					
58 Toluene (*)	92	Compound Not Detected.					
60 trans-1,3-Dichloropropene(xt)	75	Compound Not Detected.					
61 1,1,2-Trichloroethane	97	Compound Not Detected.					
62 Tetrachloroethene	166	Compound Not Detected.					
63 1,3-Dichloropropane	76	Compound Not Detected.					
64 2-Hexanone	43	Compound Not Detected.					
65 Dibromochloromethane	129	Compound Not Detected.					
66 1,2-Dibromoethane	107	Compound Not Detected.					
67 1-Chlorohexane	91	Compound Not Detected.					
68 Chlorobenzene (**)	112	Compound Not Detected.					
69 Ethylbenzene (*)	106	Compound Not Detected.					
70 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
71 Xylenes (m,p)	106	Compound Not Detected.					
72 Xylene (o)	106	Compound Not Detected.					
73 Styrene	104	Compound Not Detected.					
74 Bromoform (**)	173	Compound Not Detected.					
75 Isopropylbenzene	105	Compound Not Detected.					
77 Bromobenzene	156	Compound Not Detected.					
78 1,1,2,2-Tetrachloroethane(**)	83	Compound Not Detected.					
79 N-Propylbenzene	91	Compound Not Detected.					
80 1,2,3-Trichloropropane	110	Compound Not Detected.					
81 2-Chlorotoluene	91	Compound Not Detected.					
82 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 4-Chlorotoluene	91	Compound Not Detected.					
84 T-Butylbenzene	119	Compound Not Detected.					
85 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
86 Sec-Butylbenzene	105	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 P-Isopropyltoluene	119	Compound Not Detected.					
89 1,4-Dichlorobenzene	146	Compound Not Detected.					
90 N-Butylbenzene	91	Compound Not Detected.					
91 1,2-Dichlorobenzene	146	Compound Not Detected.					
92 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/KG)	CONCENTRATIONS FINAL (ug/Kg)
	93 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 Hexachlorobutadiene	225	Compound Not Detected.					
	95 Naphthalene	128	Compound Not Detected.					
	96 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
M	97 1,2-Dichloroethene (Total)	96	Compound Not Detected.					
M	98 Xylenes (Total)	106	Compound Not Detected.					

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: SA111921.D
Lab Smp Id: L9X981AN G0K120444-
Analysis Type: VOA
Quant Type: ISTD
Operator: LB
Method File: \\qsacca01\chem\HP11.i\112010.b\8260S.M
Misc Info: 2;SOIL;0;A4DQKD4.sub;;0;;5

Calibration Date: 20-NOV-2010
Calibration Time: 22:03
Level: LOW
Sample Type: SOIL

Test Mode:
Use Last Continuing Calibrator.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	614901	307451	1229802	482818	-21.48
2 Chlorobenzene-d5	501718	250859	1003436	392481	-21.77
3 1,4 Dichlorobenze	289308	144654	578616	223430	-22.77

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.63	5.13	6.13	5.63	0.00
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	0.03

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.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: L9X981AN G0K120444-
Level: LOW Operator: LB
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: A4DQK01.spk Quant Type: ISTD
Sublist File: A4DQKD4.sub
Method File: \\qsacca01\chem\HP11.i\112010.b\8260S.m
Misc Info: 2;SOIL;0;A4DQKD4.sub;;0;;5

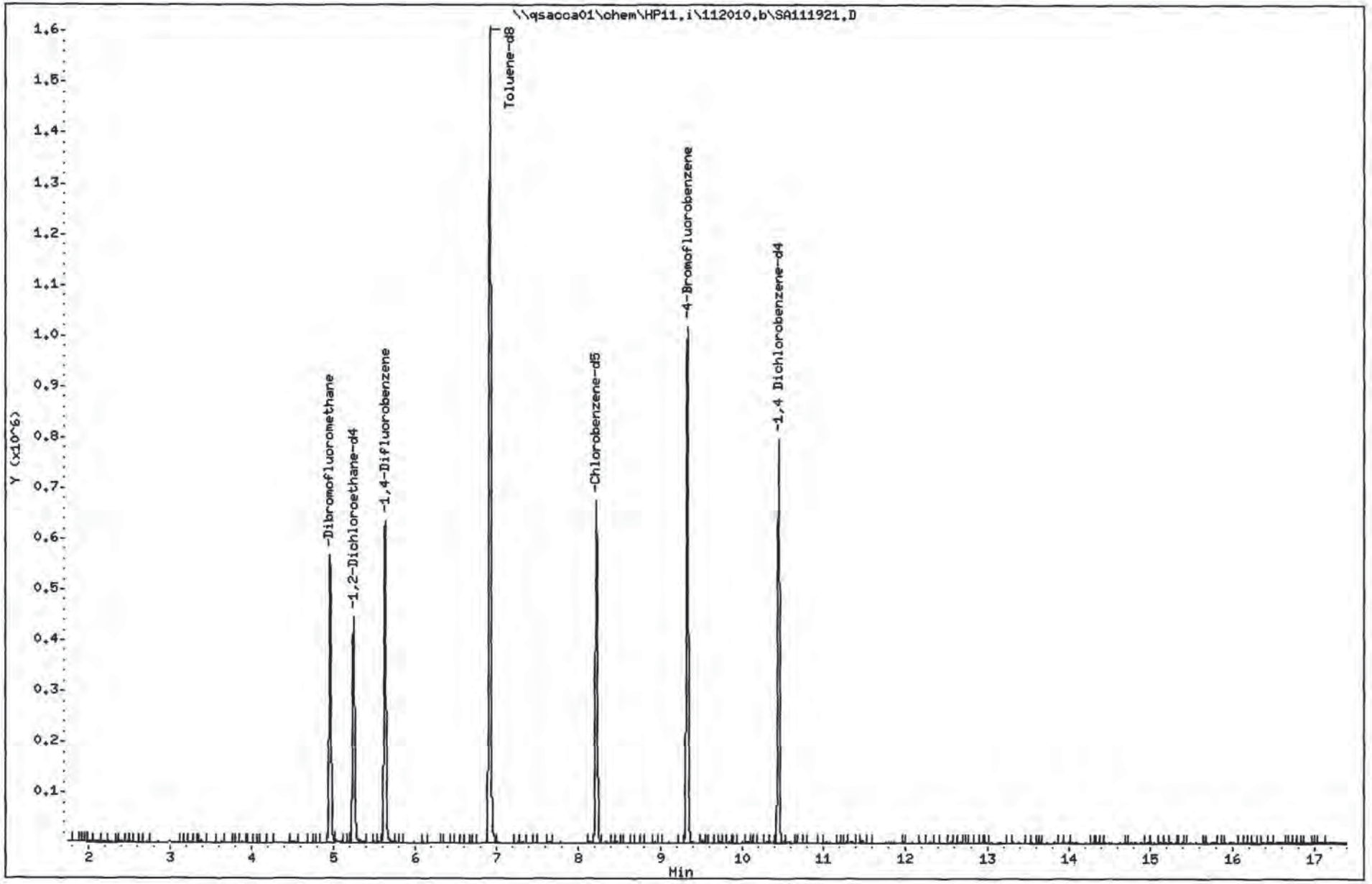
SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	80.6452	82.3102	102.06	68-116
$ 5 1,2-Dichloroethane	80.6452	79.9349	99.12	59-130
$ 6 Toluene-d8	80.6452	87.4873	108.48	85-115
$ 7 4-Bromofluorobenze	80.6452	71.2181	88.31	85-120

Data File: \\qsacca01\chem\HP11.i\112010.b\SA111921.D
Date : 21-NOV-2010 09:13
Client ID:
Sample Info: L9X981AN G0K120444-7 1X;CG;0;;;;;6.20

Instrument: HP11.i

Operator: LB
Column diameter: 0.53

Column phase:



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8260B ICAL Checklist

Instrument: HP11	Matrix: **Low Level Soils**
ICAL Date: November 17, 2010	BFB ID: BFB1117
Initiator/Date: 11/18/2010 cg	Standard ID: HSL111701-HSL111708
	Second Source ID: ICV1117
Reviewer/Date: 11/18/10	NCM #: None

I: 8260B Criteria

	Initiated	Reviewed
The Tune documentation is present and meets criteria	☒	☑
All Internal Standards within 50-200% of ICAL mid-point.	☒	☑
Calibration history included.	☒	☑
Manual re-integrations are checked, initialed and hardcopies included.	☒	☑
If for DoD work, are the compounds which required manual integrations documented in the MI spreadsheet?	☒	☑
Standards analyzed within 12 hours of Tune time.	☒	☑
Retention time correct for isomers and all other analytes.	☒	☑
The second source standard meets the SSCS criteria	☒	☑
The custom.rp shows that the average of the RSDs for the ICAL is less than 15%.	☒	☑
New standards changed on the logbook file.	☒	☑
Curve recipes are included.	☒	☑
Quadratic and/or Linear Regressions $r^2 \geq 0.990$ (coeff of determination) ($r \geq 0.995$, correlation coefficient) and intercept < (RL / IS amount) or < (½ RL / IS amount)	☒	☑
Analytes using same quantitation mass and close elution times checked.		

Mass	Target ID#	Analytes		
101	13, 15	Trichlorofluoromethane & Trichlorotrifluoroethane	☒	☑
96	17, 26, 35	1,1-Dichloroethene, trans-1,2-Dichloroethene & cis-1,2-Dichloroethene	☒	☑
43	31, 38	Vinyl Acetate & 2-Butanone	☒	☑
106, 104	71, 72, 73	Xylenes (m,p) & Xylene (o) & Styrene	☒	☑
105	75, 82, 85, 86	Isopropylbenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene & Sec-Butylbenzene	☒	☑
146	87, 89, 91	1,3-Dichlorobenzene, 1,4-dichlorobenzene & 1,2-Dichlorobenzene	☒	☑
91	79, 81, 83, 90	N-Propylbenzene, 2-Chlorotoluene, 4-Chlorotoluene & N-Butylbenzene	☒	☑
180	93, 96	1,2,4-Trichlorobenzene & 1,2,3-Trichlorobenzene	☒	☑

II: 8260B SPCC Check

SPCC Average RRFs must be greater than the acceptable minimum RRF.

RRF > 0.10	Initiated	Reviewed	RRF > 0.30	Initiated	Reviewed
Chloromethane	☒	☑	1,1,2,2-Tetrachloroethane	☒	☑
1,1-Dichloroethane	☒	☑	Chlorobenzene	☒	☑
Bromoform	☒	☑			

III: 8260B CCC Check

% RSDs must be < 30% (If no CCCs are targets, all analytes must pass 15%)

	Initiated	Reviewed		Initiated	Reviewed
Vinyl Chloride	☒	☑	1,2-Dichloropropane	☒	☑
1,1-Dichloroethene	☒	☑	Toluene	☒	☑
Chloroform	☒	☑	Ethylbenzene	☒	☑

Instrument: HP11

Matrix: **Low Level Soils**

ICAL Date: November 17, 2010

IV: QSM V4 Requirement Notes:

The following compounds are forced through zero:
4-methyl-2-pentanone, Naphthalene

Second Source Compounds Over 20% *(Write compound and %RSD)*
None

V: Non-CCC Compounds Over 15% *(Write compound and %RSD)*

None

VI: Second Source Compounds Over 25% *(Write compound and %D)*

None

VII: Notes:

UCL for all compounds is 400 ppb except for the following:

Bromomethane (100ppb), Chloroethane (200ppb), 1-Chlorohexane (200ppb)

LCL for all compounds is 5.0 ppb except for the following:

Acetone (20ppb), TBA (250ppb)

Calibration Range for all surrogates is 5.0 to 400 ppb except for the following:

1,2-Dichloroethane-d4 10-400ppb

LOD/LOQ's up to date

TestAmerica West Sacramento
GC/MS VOA INSTRUMENT LOG

Page# 54

8260B / Gas

SOP : WS-MS-0007 Rev# 4.2

Standard ID's					
BFB-50	10MSV0408	8260s-IS	10MSV0529	8260s-SURR	10MSV0528
TCLA	10MSV0520	TCLA SS	10MSV0521	TFT-SURR	10MSV0199
TCLB	10MSV0497	TCLB SS	10MSV0444		
Odd #1	10MSV0515	Odd #1 ss	10MSV0516	WDM	10MSV0313
Odd #2	10MSV0517	Odd #2 SS	10MSV0518	Gasoline (PS)	10MSV0362
VA	10MSV0498	VA SS	10MSV0523	Gasoline (SS)	10MSV0375
AP9A	10MSV0487	AP9A SS	10MSV0409		
AP9B	10MSV0419	AP9B SS	10MSV0422	Gasoline Stock	10MSV0374
ACRLN	10MSV0412	ACRLN SS	10MSV0415	**SS USED FOR ICV ONLY**	

Inst ID : HP11.i
Batch ID : 111710.B
Matrix : SOIL
Level : LOW
Name/date: 9 11/18/10

Gas Key: 1=CA-LUFT 2=8015-Mod(C6-C12)
3=AK101 4=NW-TPH
5=Other (C___-C___)

HSL ICAL# 11117/10 GAS ICAL# 7115/10 AP9 ICAL# NA

Batch#

8260B[ ] Gas[ ] 8260B[ ] Gas[ ] 8260B[ ] Gas[ ] 8260B[ ] Gas[ ] 8260B[ ] Gas[ ]

Lot(s)#

Lot(s)#

QC WO# ICAL only

Date	Time	Optr	Sample ID	File ID	Vol or Wt	AS Posn	Vial #	pH <2	Comments
17-NOV-2010	06:42	LB	Odd 1 Direct Inject	PRMR_DI_T	5 g	4			
17-NOV-2010	07:25	LB	Odd 1 OI purge	PRMR_OI_T	5 g	4			
17-NOV-2010	07:50	LB	COB	COB05.D	5 g	9			
17-NOV-2010	08:15	CG	Odd 1 Archon Purge	PRMR_AR_T	5 g	4			
17-NOV-2010	08:47	LB	Odd 1 New Transfer line	PRMR_TL_T	5 g	4			
17-NOV-2010	09:37	CG	WDM	WDM1117.D	5 g	49			
17-NOV-2010	10:08	CG	GAS_1000	PRMR_GAS0	5 g	50			
17-NOV-2010	10:33	CG	HSL_40	PRMR_HSL0	5 g	51			
17-NOV-2010	11:23	CG	GAS_1000	PRMR_GAS0	5 g	51			
17-NOV-2010	12:03	CG	COB	COB01.D	5 g	1			
17-NOV-2010	12:28	CG	COB	COB02.D	5 g	2			
17-NOV-2010	12:49	CG	50ng BFB 1ul	BFB1117.D	0 mL	2			✓
17-NOV-2010	13:04	CG	COB	COB03.D	5 g	3			
17-NOV-2010	13:30	CG	HSL_2.5	HSL111701	5 g	4			
17-NOV-2010	13:54	CG	HSL_5	HSL111702	5 g	5			
17-NOV-2010	14:19	CG	HSL_10	HSL111703	5 g	6			
17-NOV-2010	14:44	CG	HSL_20	HSL111704	5 g	7			
17-NOV-2010	15:09	CG	HSL_40	HSL111705	5 g	8			ICAL
17-NOV-2010	15:33	CG	HSL_100	HSL111706	5 g	9			
17-NOV-2010	15:58	CG	HSL_200	HSL111707	5 g	10			
17-NOV-2010	16:23	CG	HSL_400	HSL111708	5 g	11			
17-NOV-2010	16:48	CG	COB	COB04.D	5 g	12			
17-NOV-2010	17:13	CG	HSL_40	ICV1117.D	5 g	13			ICAL ICV

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 17-NOV-2010 13:30
End Cal Date : 17-NOV-2010 16:23
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Last Edit : 18-Nov-2010 09:53 gainesc

Calibration File Names:
Level 1: \\QSACCA01\chem\HP11.i\111710.B\HSL111701.D
Level 2: \\QSACCA01\chem\HP11.i\111710.B\HSL111702.D
Level 3: \\QSACCA01\chem\HP11.i\111710.B\HSL111703.D
Level 4: \\QSACCA01\chem\HP11.i\111710.B\HSL111704.D
Level 5: \\QSACCA01\chem\HP11.i\111710.B\HSL111705.D
Level 6: \\QSACCA01\chem\HP11.i\111710.B\HSL111706.D
Level 7: \\QSACCA01\chem\HP11.i\111710.B\HSL111707.D
Level 8: \\QSACCA01\chem\HP11.i\111710.B\HSL111708.D

√ 11/18/1M

Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	400.0000 Level 8									
8 Dichlorodifluoromethane	0.45414	0.42669	0.42087	0.45378	0.40408	0.36530					
	0.34179	0.32467					AVRG		0.39891		12.44295
9 Chloromethane (**)	0.51210	0.45338	0.46495	0.49422	0.44220	0.39271					
	0.36411	0.35209					AVRG		0.43447		13.59530
10 Vinyl Chloride (*)	0.44696	0.43970	0.43828	0.44941	0.41053	0.37280					
	0.35303	0.33508					AVRG		0.40572		11.29344

Manual conclusion for Chloromethane @ Level 7:

$\frac{1190633}{817502} \times \frac{50}{200} = 0.36411$ RY 11/18/1.

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INITIAL CALIBRATION DATA

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Target Version : 4.14
Integrator : HP RTE
Method file : \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Last Edit : 18-Nov-2010 09:53 gainesc

Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	200.0000 Level 7	400.0000 Level 8										
11 Bromomethane	0.22288	0.19705	0.20901	0.23688	0.21175	0.17837						
	+++++	+++++					AVRG		0.20932		9.69198	
12 Chloroethane	0.27492	0.25223	0.26291	0.27699	0.25491	0.22143						
	0.18666	+++++					AVRG		0.24715		13.12919	
13 Trichlorofluoromethane	0.60294	0.56146	0.57174	0.57469	0.50973	0.47541						
	0.45559	0.42614					AVRG		0.52221		12.38429	
14 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
15 Trichlorotrifluoroethane	0.37617	0.36559	0.36660	0.37976	0.34381	0.30312						
	0.29362	0.27287					AVRG		0.33769		12.38305	
16 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
17 1,1-Dichloroethene(*)	0.32297	0.32560	0.33121	0.34611	0.32118	0.28538						
	0.27668	0.25777					AVRG		0.30836		10.04310	

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Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
	200.0000 Level 7	400.0000 Level 8										
18 Acetone	+++++	+++++	+++++	0.08789	0.08991	0.07987						
	0.07709	0.06867					AVRG		0.08068		10.64305	
19 Allyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
21 Carbon disulfide	1.04478	1.05944	1.12422	1.19583	1.13748	1.00861						
	0.98821	0.92760					AVRG		1.06077		8.28970	
22 Methylene Chloride	0.44616	0.40529	0.40296	0.43928	0.37789	0.34119						
	0.32131	0.30360					AVRG		0.37971		14.02441	
23 t-Butanol	+++++	+++++	0.01967	0.02369	0.02375	0.02316						
	0.02393	0.02111					AVRG		0.02255		7.78556	
24 Hexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
25 Methyl-t-butyl-ether	0.80993	0.78545	0.83733	0.93466	0.86641	0.79247						
	0.77985	0.74184					AVRG		0.81849		7.35357	

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Compound	2.5000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 400.0000 Level 8	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
26 trans-1,2-Dichloroethene	0.39456	0.38521	0.40023	0.40939	0.37308	0.32708						
	0.30426	0.27715					AVRG		0.35887		13.77378	
27 Acrylonitrile	0.11751	0.10770	0.11378	0.12587	0.11655	0.10293						
	0.10041	0.09087					AVRG		0.10945		10.22212	
28 Isopropyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
29 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
30 1,1-Dichloroethane (**)	0.61890	0.60733	0.63533	0.67640	0.60517	0.55151						
	0.52189	0.50397					AVRG		0.59006		10.00696	
31 Vinyl acetate	0.38598	0.39022	0.40690	0.47598	0.47897	0.50453						
	0.50385	0.50417					AVRG		0.45632		11.57572	
32 t-Butyl-ethyl-ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	200.0000 Level 7	400.0000 Level 8										
33 2,2-Dichloropropane	0.31066	0.31386	0.33084	0.33967	0.33414	0.29684						
	0.28249	0.25921					AVRG		0.30846		9.00706	
34 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
35 cis 1,2-Dichloroethene	0.39003	0.39503	0.40091	0.43433	0.39837	0.35843						
	0.33844	0.31870					AVRG		0.37928		9.96505	
36 Tetrahydrofuran	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
37 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
38 2-Butanone	0.10797	0.11446	0.11348	0.12074	0.11970	0.11672						
	0.11821	0.11307					AVRG		0.11554		3.60940	
39 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	200.0000 Level 7	400.0000 Level 8	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
40 Bromochloromethane	0.19545	0.18146	0.18612	0.21807	0.18903	0.17362								
	0.16399	0.15596							AVRG		0.18296		10.56123	
41 Chloroform (*)	0.60520	0.58911	0.60712	0.63102	0.58282	0.52610								
	0.49993	0.47922							AVRG		0.56507		9.86503	
42 1,1,1-Trichloroethane	0.46309	0.48429	0.49566	0.49472	0.48763	0.43575								
	0.41349	0.38731							AVRG		0.45774		8.98308	
43 Carbon Tetrachloride	0.43409	0.43411	0.46305	0.45422	0.45688	0.40082								
	0.38133	0.34987							AVRG		0.42180		9.62545	
44 1,1-Dichloropropene	0.38821	0.40561	0.40898	0.40050	0.42548	0.38935								
	0.37995	0.35432							AVRG		0.39405		5.44205	
45 t-Amyl-methyl-ether	+++++	+++++	+++++	+++++	+++++	+++++								
	+++++	+++++							AVRG		0.000e+000		0.000e+000	<-
46 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++								
	+++++	+++++							AVRG		0.000e+000		0.000e+000	<-

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Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	200.0000 Level 7	400.0000 Level 8										
47 Benzene	1.24438	1.28125	1.34366	1.35019	1.30362	1.20651						
	1.16518	1.11093					AVRG		1.25072		6.83236	
48 1,2-Dichloroethane	0.37377	0.35892	0.36856	0.40584	0.36503	0.34327						
	0.33235	0.32165					AVRG		0.35867		7.37046	
49 Trichloroethene	0.28978	0.30254	0.31800	0.29003	0.31232	0.29215						
	0.28843	0.27358					AVRG		0.29585		4.85137	
50 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
51 1,2-Dichloropropane(*)	0.27336	0.27888	0.28192	0.29756	0.28479	0.27664						
	0.27474	0.27262					AVRG		0.28006		2.93737	
52 Dibromomethane	0.16383	0.15312	0.15861	0.17582	0.16174	0.15461						
	0.15179	0.14869					AVRG		0.15853		5.45848	
53 1,4-Dioxane	0.00208	0.00201	0.00209	0.00284	0.00256	0.00236						
	0.00229	0.00199					AVRG		0.00228		13.24329	

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Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	200.0000 Level 7	400.0000 Level 8										
54 Bromodichloromethane	0.32842	0.32681	0.33329	0.37187	0.35642	0.35332						
	0.35249	0.34990					AVRG		0.34657		4.52994	
55 2-Chloroethyl vinyl ether	+++++	3120	6558	14985	36017	119477						
	295510	724350					QUAD	0.09727	12.15457	-3.32770	0.99966	
56 cis-1,3-Dichloropropene (xtr)	+++++	16183	35121	78262	188847	568549						
	1288713	2849253					QUAD	0.05274	2.62805	-0.07166	0.99997	
57 4-Methyl-2-pentanone	5353	10134	22079	52410	128815	371903						
	801244	1629125					QUAD	0.000e+000	4.01425	0.10043	0.99994	
58 Toluene (*)	0.63107	0.67403	0.70085	0.66630	0.72011	0.67794						
	0.67824	0.66365					AVRG		0.67652		3.88639	
59 Ethyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
60 trans-1,3-Dichloropropene(xt)	+++++	12079	24801	56297	135235	404065						
	937396	2182197					QUAD	0.04834	3.74435	-0.24441	0.99996	

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Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	400.0000 Level 8									
61 1,1,2-Trichloroethane	0.19857	0.18522	0.18965	0.20856	0.19622	0.19167					
	0.19374	0.19867					AVRG		0.19529		3.60940
62 Tetrachloroethene	0.39302	0.38856	0.39550	0.37543	0.42008	0.39661					
	0.39301	0.36645					AVRG		0.39108		4.05094
63 1,3-Dichloropropane	0.38092	0.37226	0.37968	0.41878	0.40644	0.41760					
	0.42537	0.44188					AVRG		0.40537		6.19714
64 2-Hexanone	0.12149	0.11927	0.12216	0.14670	0.14876	0.16053					
	0.16646	0.17406					AVRG		0.14493		14.97992
65 Dibromochloromethane	0.25392	0.25094	0.26799	0.30586	0.30587	0.31369					
	0.31391	0.31817					AVRG		0.29129		9.82038
66 1,2-Dibromoethane	0.20407	0.21344	0.21694	0.24185	0.23746	0.23964					
	0.24541	0.25285					AVRG		0.23146		7.56975
67 1-Chlorohexane	0.39120	0.38486	0.38454	0.38063	0.38896	0.39290					
	0.41892	+++++					AVRG		0.39172		3.24781

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Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	400.0000 Level 8									
68 Chlorobenzene (**)	0.94702	0.94988	0.96920	0.88260	0.97196	0.92391					
	0.92157	0.90358					AVRG		0.93372		3.36827
69 Ethylbenzene (*)	0.47009	0.51632	0.53842	0.50415	0.56880	0.53006					
	0.52255	0.49186					AVRG		0.51778		5.81078
70 1,1,1,2-Tetrachloroethane	0.35196	0.38411	0.39076	0.39175	0.41914	0.39680					
	0.38386	0.35900					AVRG		0.38467		5.51688
71 Xylenes (m,p)	0.57716	0.66064	0.68812	0.63750	0.71229	0.66005					
	0.64020	0.58429					AVRG		0.64503		7.23025
72 Xylene (o)	0.56850	0.63875	0.69506	0.65825	0.74954	0.69868					
	0.66682	0.60120					AVRG		0.65960		8.70378
73 Styrene	0.82035	0.92963	1.02423	0.95638	1.09146	1.03746					
	1.03531	0.98593					AVRG		0.98509		8.50626
74 Bromoform (**)	0.17983	0.16445	0.16742	0.19066	0.19766	0.20221					
	0.20613	0.20534					AVRG		0.18921		8.85433

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	200.0000 Level 7	400.0000 Level 8										
75 Isopropylbenzene	1.26550	1.50775	1.65039	1.71798	1.93102	1.79576						
	1.73049	1.57693					AVRG		1.64698		12.24411	
76 T-1,4-Dichloro-2-Butene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
77 Bromobenzene	0.57537	0.61282	0.60972	0.59431	0.67803	0.65260						
	0.67889	0.69308					AVRG		0.63685		6.96597	
78 1,1,2,2-Tetrachloroethane(**)	0.53394	0.52822	0.51887	0.60014	0.57773	0.56770						
	0.58678	0.58472					AVRG		0.56226		5.48280	
79 N-Propylbenzene	2.32635	2.79875	3.00564	3.14649	3.53718	3.31613						
	3.37113	3.29671					AVRG		3.09980		12.49671	
80 1,2,3-Trichloropropane	0.15570	0.16092	0.16394	0.18630	0.17485	0.17473						
	0.18265	0.18279					AVRG		0.17274		6.56051	
81 2-Chlorotoluene	1.53611	1.78575	1.83014	1.77037	2.02928	1.90516						
	1.93023	1.88856					AVRG		1.83445		7.99481	

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Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	400.0000 Level 8									
82 1,3,5-Trimethylbenzene	+++++	1.94873	2.18071	2.31681	2.63042	2.49573					
	2.46169	2.33250					AVRG		2.33808		9.60245
83 4-Chlorotoluene	1.74489	1.99645	2.05012	1.92918	2.19806	2.07336					
	2.13489	2.11677					AVRG		2.03047		7.00550
84 T-Butylbenzene	+++++	54993	120073	262000	665543	1755877					
	3591876	6735631					QUAD	0.05285	0.39446	0.00346	0.99998
85 1,2,4-Trimethylbenzene	1.79606	2.13995	2.34382	2.41069	2.66923	2.53488					
	2.49681	2.37692					AVRG		2.34604		11.53839
86 Sec-Butylbenzene	+++++	2.73149	2.97442	3.30948	3.64364	3.49135					
	3.38223	3.18491					AVRG		3.24536		9.60584
87 1,3-Dichlorobenzene	1.31659	1.39318	1.41929	1.33946	1.50479	1.41093					
	1.40902	1.33641					AVRG		1.39121		4.35111
88 P-Isopropyltoluene	+++++	2.44650	2.60149	2.89837	3.15996	2.98568					
	2.87983	2.68267					AVRG		2.80779		8.69726

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	200.0000 Level 7	400.0000 Level 8									
89 1,4-Dichlorobenzene	1.37889	1.46982	1.44859	1.34474	1.50738	1.41323					
	1.40875	1.32715					AVRG		1.41232		4.36558
90 N-Butylbenzene	1.89218	2.17294	2.40470	2.73739	2.87780	2.68175					
	2.55200	2.35986					AVRG		2.45983		13.10170
91 1,2-Dichlorobenzene	1.30957	1.38870	1.43500	1.35299	1.50498	1.38894					
	1.33887	1.23968					AVRG		1.36984		5.85609
92 1,2-Dibromo-3-chloropropane	0.09079	0.08335	0.08949	0.10138	0.09818	0.09992					
	0.10134	0.09522					AVRG		0.09496		6.88213
93 1,2,4-Trichlorobenzene	0.76367	0.82039	0.90946	0.95452	1.04292	0.96895					
	0.95093	0.85077					AVRG		0.90770		10.00279
94 Hexachlorobutadiene	0.54253	0.57745	0.61671	0.68099	0.66497	0.61736					
	0.58560	0.53966					AVRG		0.60316		8.62402
95 Naphthalene	21038	48299	118050	246121	625822	1618550					
	3378158	5955113					QUAD	0.000e+000	0.41232	0.00674	0.99965

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 17-NOV-2010 13:30
End Cal Date : 17-NOV-2010 16:23
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Last Edit : 18-Nov-2010 09:53 gainesc

Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
	200.0000 Level 7	400.0000 Level 8										
96 1,2,3-Trichlorobenzene	0.71349	0.80855	0.88036	0.91089	0.97978	0.90854						
	0.87819	0.78272					AVRG		0.85782		9.86072	
M 97 1,2-Dichloroethene (Total)	0.39230	0.39012	0.40057	0.42186	0.38572	0.34275						
	0.32135	0.29792					AVRG		0.36907		11.70798	
M 98 Xylenes (Total)	0.57428	0.65335	0.69043	0.64442	0.72471	0.67293						
	0.64908	0.58993					AVRG		0.64989		7.61132	
136 2-methylpentane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
137 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
138 Decane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
139 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 17-NOV-2010 13:30
End Cal Date : 17-NOV-2010 16:23
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Last Edit : 18-Nov-2010 09:53 gainesc

Compound	2.5000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	40.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	400.0000 Level 8									
$ 4 Dibromofluoromethane	0.37055	0.34178	0.34088	0.37133	0.32575	0.30537					
	0.28568	0.26311					AVRG		0.32556		11.90452
$ 5 1,2-Dichloroethane-d4	+++++	+++++	0.30545	0.32466	0.29355	0.28142					
	0.26609	0.24978					AVRG		0.28682		9.42583
$ 6 Toluene-d8	0.90958	0.90602	0.94627	1.06757	0.96496	0.94046					
	0.91449	0.89714					AVRG		0.94331		5.86371
$ 7 4-Bromofluorobenzene	+++++	0.49761	0.45041	0.49852	0.45333	0.44355					
	0.43571	0.43396					AVRG		0.45901		6.00996

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 17-NOV-2010 13:30
End Cal Date : 17-NOV-2010 16:23
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Last Edit : 18-Nov-2010 09:53 gainesc

Average %RSD Results.
Calculated Average %RSD = 8.70489
Maximun Average %RSD = 15.00000
* Passed Average %RSD Test.

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Report Date: 18-Nov-2010 09:54

Calibration History

Method : \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Start Cal Date: 17-NOV-2010 13:30
End Cal Date : 17-NOV-2010 16:23
Last Cal Level: 8
Last Cal Type : Continuing Calibration

11/18/10

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
17-NOV-2010 13:30	1_8260	\\QSACCA01\chem\HP11.i\111710.B\HSL111701.D
Cal Level: 2 , Cal Amount: 5.00000		
17-NOV-2010 13:54	1_8260	\\QSACCA01\chem\HP11.i\111710.B\HSL111702.D
Cal Level: 3 , Cal Amount: 10.00000		
17-NOV-2010 14:19	1_8260	\\QSACCA01\chem\HP11.i\111710.B\HSL111703.D
Cal Level: 4 , Cal Amount: 20.00000		
17-NOV-2010 14:44	1_8260	\\QSACCA01\chem\HP11.i\111710.B\HSL111704.D
Cal Level: 5 , Cal Amount: 40.00000		
17-NOV-2010 15:09	1_8260	\\QSACCA01\chem\HP11.i\111710.B\HSL111705.D
Cal Level: 6 , Cal Amount: 100.00000		
17-NOV-2010 15:33	1_8260	\\QSACCA01\chem\HP11.i\111710.B\HSL111706.D
Cal Level: 7 , Cal Amount: 200.00000		
17-NOV-2010 15:58	1_8260	\\QSACCA01\chem\HP11.i\111710.B\HSL111707.D
Cal Level: 8 , Cal Amount: 400.00000		

17-NOV-2010 16:23	1_8260	\\QSACCA01\chem\HP11.i\111710.B\HSL111708.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 9

18-NOV-2010 09:00	1_8260	\\QSACCA01\chem\HP11.i\111810.b\HSL1118.D
17-NOV-2010 19:58	1_8260	\\QSACCA01\chem\HP11.i\111710B.B\HSL1117.D
17-NOV-2010 17:13	1_8260	\\QSACCA01\chem\HP11.i\111710B.B\ICV1117.D
17-NOV-2010 20:49	1_8260	\\QSACCA01\chem\HP11.i\111710B.B\HSL1117A.D
17-NOV-2010 20:49	1_8260	\\qsacca01\chem\HP11.i\111710B.B\HSL1117A.D
17-NOV-2010 17:13	1_8260	\\QSACCA01\chem\HP11.i\111710.B\ICV1117.D

8260 Low Soil Curve

5.0g in (10ml H2O)

Calibration point	Concentration (ug/Kg)	Final Volume	Internal Standard (250 ug/mL) Autospike	Surrogate (100 ug/mL)	TCL A (200 ug/mL)	TCL B (200 ug/mL)	ODD Mix #1 (200 ug/mL)	ODD Mix #2 (200 ug/mL)	Vinyl Acetate (200 ug/mL)
1	2.5	10 mL	1.0 uL	2.5 uL (a)	N/A	N/A	N/A	N/A	N/A
2	5	10 mL	1.0 uL	5 uL (a)	N/A	N/A	N/A	N/A	N/A
3	10	10 mL	1.0 uL	10 uL (a)	N/A	N/A	N/A	N/A	N/A
4	20	10 mL	1.0 uL	20 uL (a)	N/A	N/A	N/A	N/A	N/A
5 (ccv)	40	10 mL	1.0 uL	2.50 uL	1.0 uL	1.0 uL	1.0uL	1.0 uL	1.0 uL
~~6 (ccv)~~	100	10 mL	1.0 uL	5.0 uL	2.5 uL	2.5 uL	2.5 uL	2.5 uL	2.5 uL
7	200	10 mL	1.0 uL	10 uL	5 uL	5 uL	5 uL	5 uL	5 uL
8	400	10 mL	1.0 uL	20 uL	10 uL	10 uL	10 uL	10 uL	10 uL

(a) = 50uL of Surrogate, 25ul of TCL A, TCL B, Odd Mix #1, Odd Mix #2, and Vinyl Acetate diluted to FV of 1.0 mL in MeOH.

Analyst: _____ Date: 11/17/10

Daily QC

Calibration point	Final Volume	Concentration (ug/L)	Internal Standard (250 ug/mL) Autospike	Surrogate (500 ug/mL) Autospike	Secondary Sources (200 ug/mL)
LCS/LCSD	10 mL	100	1.0 uL	1.0 uL	2.5 uL
MS/MSD	10 mL	100	1.0 uL	1.0 uL	2.5 uL
Sample	10 mL	100	1.0 uL	1.0 uL	N/A

Analyst: _____ Date: _____

Comments : _____

TestAmerica

Data file : \\QSACCA01\chem\HP11.i\111710.B\BFB1117.D
Lab Smp Id: BFB 1uL
Inj Date : 17-NOV-2010 12:49
Operator : CG Inst ID: HP11.i
Smp Info : 50ng BFB 1ul ;cg
Misc Info : 1;water;0;3_BFB.sub;;0;;5
Comment :
Method : \\QSACCA01\chem\HP11.i\111710.B\BFB39011.m
Meth Date : 12-Nov-2010 07:47 gainesc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3_bfb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.559	3.510	(0.000)	95	231552			0.00- 100.00	100.00
3.559	3.510	(0.000)	50	40760			15.00- 40.00	17.60
3.559	3.510	(0.000)	75	102808			30.00- 60.00	44.40
3.559	3.510	(0.000)	96	15025			5.00- 9.00	6.49
3.559	3.510	(0.000)	173	1421			0.00- 2.00	0.68
3.559	3.510	(0.000)	174	209216			50.00- 0.00	90.35
3.559	3.510	(0.000)	175	14846			5.00- 9.00	7.10
3.559	3.510	(0.000)	176	202752			95.00- 101.00	96.91
3.559	3.510	(0.000)	177	13272			5.00- 9.00	6.55

Data File: \\QSACCA01\chem\HP11.i\111710.B\BFB1117.D

Date : 17-NOV-2010 12:49

Client ID:

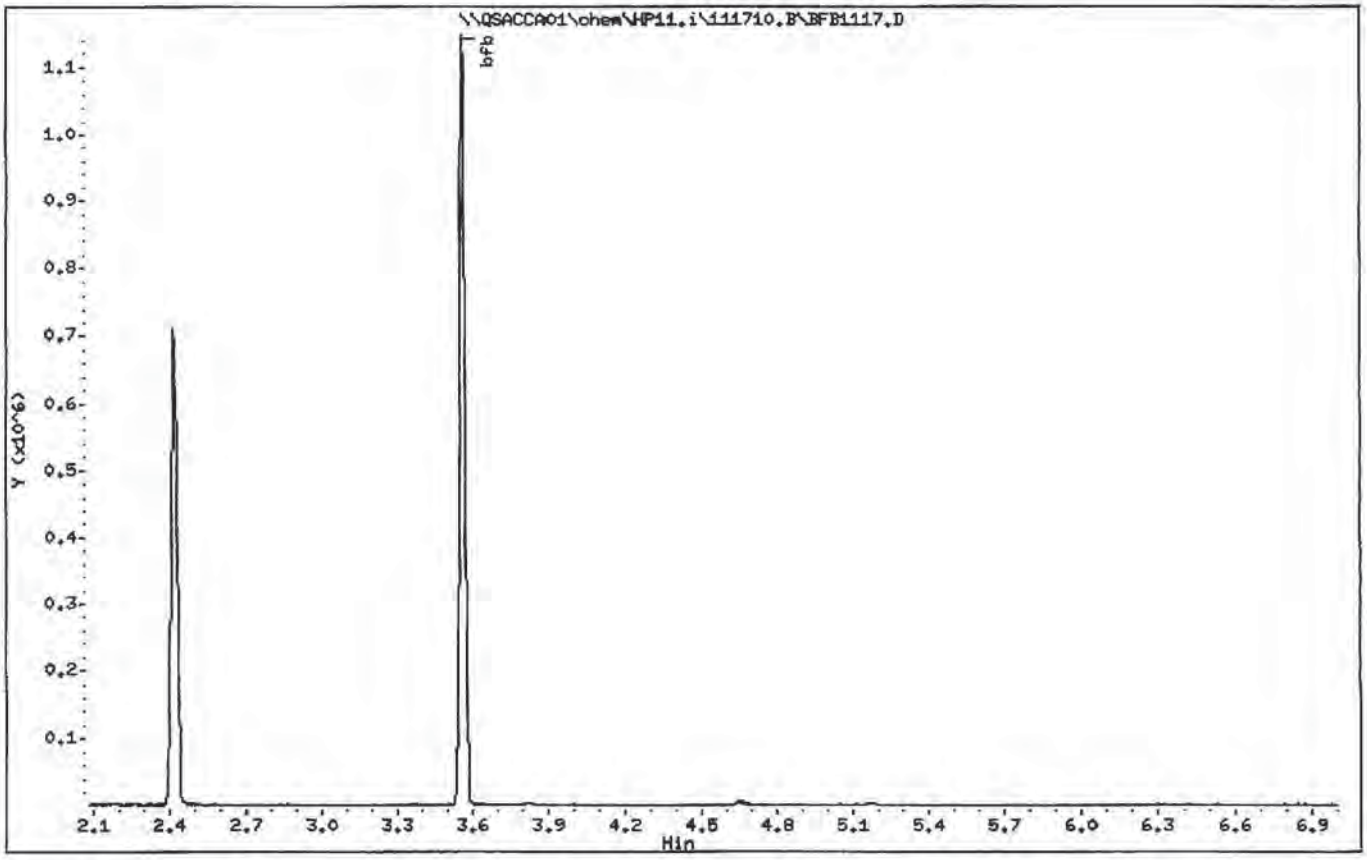
Instrument: HP11.i

Sample Info: 50ng BFB 1ul :cg

Operator: CG

Column phase:

Column diameter: 2.00



Data File: \\QSACCA01\chem\HP11.i\111710.B\BFB1117.D

Date : 17-NOV-2010 12:49

Client ID:

Instrument: HP11.i

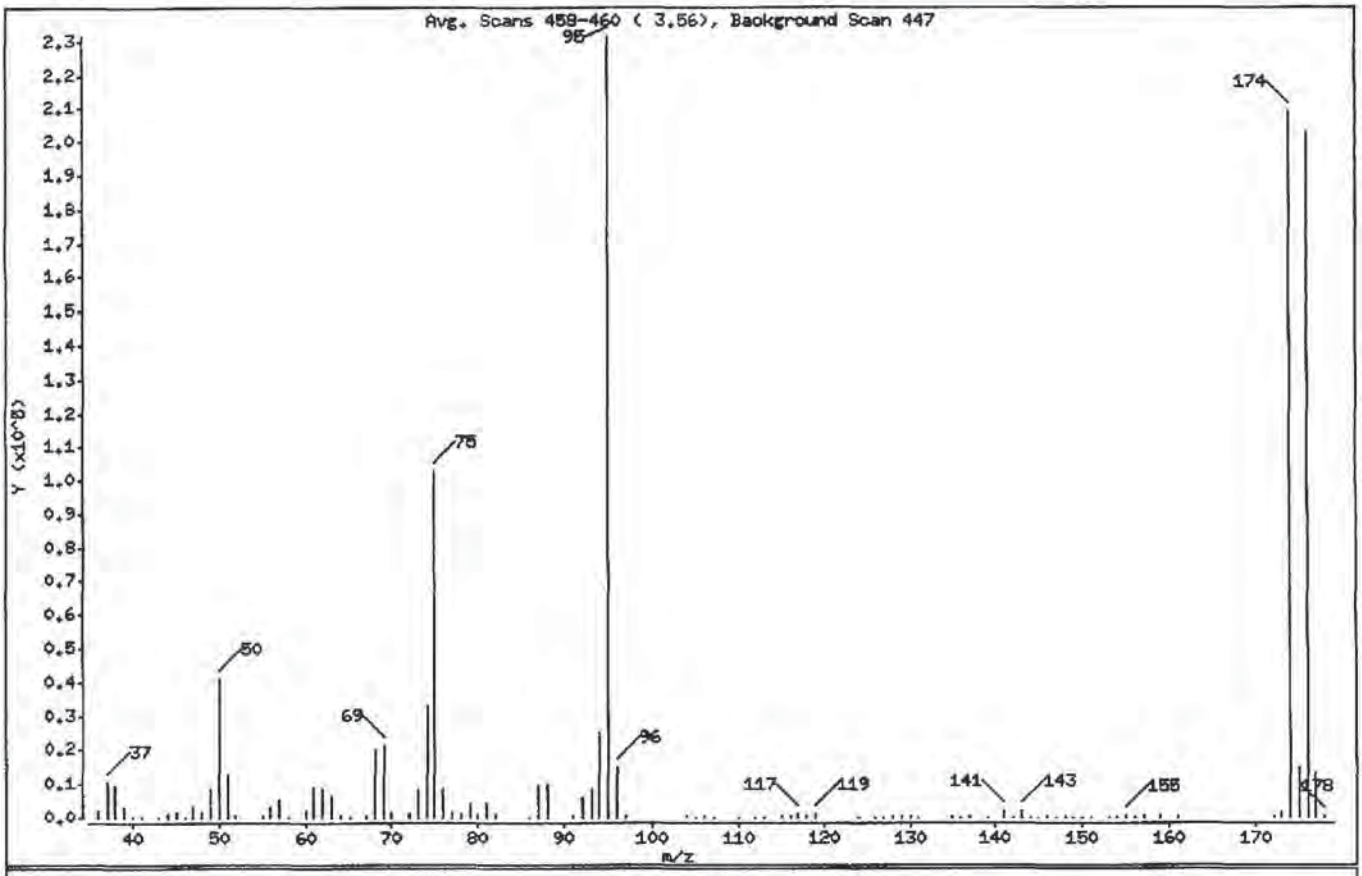
Sample Info: 50ng BFB 1ul ;cg

Operator: CC

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	17.60
75	30.00 - 60.00% of mass 95	44.40
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	0.61 (0.68)
174	Greater than 50.00% of mass 95	90.35
175	5.00 - 9.00% of mass 174	6.41 (7.10)
176	95.00 - 101.00% of mass 174	87.56 (96.91)
177	5.00 - 9.00% of mass 176	5.73 (6.55)

Data File: \\QSACCA01\chem\HP11.i\111710.B\BFB1117.D

Date : 17-NOV-2010 12:49

Client ID:

Instrument: HP11.i

Sample Info: 50ng BFB 1ul 1cg

Operator: CG

Column phase:

Column diameter: 2.00

Data File: BFB1117.D
Spectrum: Avg. Scans 458-460 (3.56), Background Scan 447
Location of Maximum: 95.00
Number of points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2047	65.00	189	97.00	461	142.00	214
37.00	10568	67.00	501	104.00	705	143.00	1881
38.00	9542	68.00	20416	105.00	246	144.00	102
39.00	3251	69.00	21064	106.00	686	145.00	256
40.00	130	70.00	1575	107.00	254	146.00	296
41.00	61	72.00	1052	110.00	68	147.00	147
43.00	130	73.00	8490	112.00	148	148.00	618
44.00	900	74.00	33104	113.00	82	149.00	183
45.00	1752	75.00	102808	115.00	269	150.00	232
46.00	99	76.00	8640	116.00	562	151.00	52
47.00	3145	77.00	1435	117.00	1232	153.00	54
48.00	1331	78.00	858	118.00	650	154.00	144
49.00	8596	79.00	4106	119.00	1054	155.00	596
50.00	40760	80.00	1272	124.00	53	156.00	78
51.00	12746	81.00	4178	126.00	85	157.00	477
52.00	480	82.00	812	127.00	50	159.00	342
55.00	540	86.00	136	128.00	742	161.00	268
56.00	3014	87.00	9843	129.00	331	172.00	324
57.00	5303	88.00	10285	130.00	728	173.00	1421
58.00	215	91.00	502	131.00	243	174.00	209216
60.00	1950	92.00	5678	135.00	377	175.00	14846
61.00	8951	93.00	8686	136.00	121	176.00	202752
62.00	8316	94.00	24840	137.00	450	177.00	13272
63.00	6415	95.00	231552	139.00	79	178.00	406
64.00	619	96.00	15025	141.00	2021		

TestAmerica

VOLATILE REPORT low level 8260

Data file : \\QSACCA01\chem\HP11.i\111710.B\HSL111701.D
Lab Smp Id: HSL_2.5
Inj Date : 17-NOV-2010 13:30
Operator : CG Inst ID: HP11.i
Smp Info : HSL_2.5;CG ;1;;1;;;5.00
Misc Info : 2;SOIL;0;1_8260.sub;;0;;5.00
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\111710.B\8260S.m
Meth Date : 17-Nov-2010 15:13 gainesc Quant Type: ISTD
Cal Date : 17-NOV-2010 13:30 Cal File: HSL111701.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
* 1	1,4-Difluorobenzene	114	5.623	5.623	(1.000)	601486	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	482672	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.449	10.449	(1.000)	344755	50.0000	
$ 4	Dibromofluoromethane	111	4.954	4.954	(0.881)	11144	2.50000	2.60234
$ 5	1,2-Dichloroethane-d4	65	5.250	5.250	(0.934)	10599	2.50000	2.71585
$ 6	Toluene-d8	98	6.912	6.912	(1.229)	27355	2.50000	2.37522
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	15117	2.50000	3.02176
8	Dichlorodifluoromethane	85	1.405	1.405	(0.250)	13658	2.50000	2.58700
9	Chloromethane (**)	50	1.556	1.556	(0.277)	15401	2.50000	2.66074
10	Vinyl Chloride (*)	62	1.672	1.672	(0.297)	13442	2.50000	2.51901
11	Bromomethane	94	2.012	2.012	(0.358)	6703	2.50000	2.57421
12	Chloroethane	64	2.128	2.128	(0.379)	8268	2.50000	2.57642
13	Trichlorofluoromethane	101	2.395	2.395	(0.426)	18133	2.50000	2.60919
15	Trichlorotrifluoroethane	101	2.938	2.938	(0.523)	11313	2.50000	2.52781
17	1,1-Dichloroethene(*)	96	2.906	2.906	(0.517)	9713	2.50000	2.43585
18	Acetone	43	2.977	2.977	(0.529)	5819	2.50000	3.73493
21	Carbon disulfide	76	3.106	3.106	(0.552)	31421	2.50000	2.36147
31	Vinyl acetate	43	4.077	4.077	(0.725)	11608	2.50000	2.32646
22	Methylene Chloride	84	3.382	3.382	(0.601)	13418	2.50000	2.63426
23	t-Butanol	59	3.517	3.517	(0.626)	15729	62.5000	62.5817
25	Methyl-t-butyl-ether	73	3.639	3.639	(0.647)	24358	2.50000	2.40522

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
26	trans-1,2-Dichloroethene	96	3.636	3.636	(0.647)	11866	2.50000	2.48245
27	Acrylonitrile	53	3.614	3.614	(0.643)	35341	25.0000	25.2790
30	1,1-Dichloroethane (**)	63	4.019	4.019	(0.715)	18613	2.50000	2.43858
33	2,2-Dichloropropane	77	4.536	4.536	(0.807)	9343	2.50000	2.39888
35	cis 1,2-Dichloroethene	96	4.543	4.543	(0.808)	11730	2.50000	2.40718
38	2-Butanone	43	4.565	4.565	(0.812)	3247	2.50000	2.36433
40	Bromochloromethane	128	4.749	4.749	(0.844)	5878	2.50000	2.50220
41	Chloroform (*)	83	4.819	4.819	(0.857)	18201	2.50000	2.48803
42	1,1,1-Trichloroethane	97	4.974	4.974	(0.885)	13927	2.50000	2.38980
43	Carbon Tetrachloride	117	5.122	5.122	(0.911)	13055	2.50000	2.43124
44	1,1-Dichloropropene	75	5.118	5.118	(0.910)	11675	2.50000	2.42129
47	Benzene	78	5.298	5.298	(0.942)	37424	2.50000	2.38412
48	1,2-Dichloroethane	62	5.314	5.314	(0.945)	11241	2.50000	2.48009
49	Trichloroethene	95	5.851	5.851	(1.041)	8715	2.50000	2.41415
51	1,2-Dichloropropane(*)	63	6.051	6.051	(1.076)	8221	2.50000	2.41542
52	Dibromomethane	93	6.144	6.144	(1.093)	4927	2.50000	2.51507
53	1,4-Dioxane	88	6.163	6.163	(1.096)	1561	62.5000	57.5794
54	Bromodichloromethane	83	6.282	6.282	(1.117)	9877	2.50000	2.41415
55	2-Chloroethyl vinyl ether	63	Compound Not Detected.					
56	cis-1,3-Dichloropropene (xtr)	75	6.671	6.671	(1.186)	8256	2.50000	2.37128
57	4-Methyl-2-pentanone	43	6.806	6.806	(1.210)	5353	2.50000	2.38551
58	Toluene (*)	92	6.974	6.974	(1.240)	18979	2.50000	2.36157
60	trans-1,3-Dichloropropene(xt)	75	7.166	7.166	(1.274)	5546	2.50000	2.24087
61	1,1,2-Trichloroethane	97	7.324	7.324	(1.302)	5972	2.50000	2.53929
62	Tetrachloroethene	166	7.462	7.462	(0.908)	9485	2.50000	2.53152
63	1,3-Dichloropropane	76	7.485	7.485	(0.910)	9193	2.50000	2.45496
64	2-Hexanone	43	7.562	7.562	(0.920)	2932	2.50000	2.38391
65	Dibromochloromethane	129	7.687	7.687	(0.935)	6128	2.50000	2.35392
66	1,2-Dibromoethane	107	7.790	7.790	(0.948)	4925	2.50000	2.32880
67	1-Chlorohexane	91	8.218	8.218	(1.000)	9441	2.50000	2.53823
68	Chlorobenzene (**)	112	8.250	8.250	(1.004)	22855	2.50000	2.52626
69	Ethylbenzene (*)	106	8.347	8.347	(1.015)	11345	2.50000	2.31688
70	1,1,1,2-Tetrachloroethane	131	8.321	8.321	(1.012)	8494	2.50000	2.31768
71	Xylenes (m,p)	106	8.456	8.456	(1.029)	27858	5.00000	4.50305
72	Xylene (o)	106	8.832	8.832	(1.074)	13720	2.50000	2.22022
73	Styrene	104	8.842	8.842	(1.075)	19798	2.50000	2.19899
74	Bromoform (**)	173	9.015	9.015	(1.097)	4340	2.50000	2.56040
75	Isopropylbenzene	105	9.182	9.182	(1.117)	30541	2.50000	2.06053
77	Bromobenzene	156	9.472	9.472	(0.906)	9918	2.50000	2.40516
78	1,1,2,2-Tetrachloroethane(**)	83	9.456	9.456	(0.905)	9204	2.50000	2.44796
79	N-Propylbenzene	91	9.575	9.575	(0.916)	40101	2.50000	2.06287
80	1,2,3-Trichloropropane	110	9.498	9.498	(0.909)	2684	2.50000	2.33487
81	2-Chlorotoluene	91	9.658	9.658	(0.924)	26479	2.50000	2.21904
82	1,3,5-Trimethylbenzene	105	9.742	9.742	(0.932)	27660	2.50000	1.99310
83	4-Chlorotoluene	91	9.761	9.761	(0.934)	30078	2.50000	2.26003
84	T-Butylbenzene	119	10.060	10.060	(0.963)	22220	2.50000	1.92433
85	1,2,4-Trimethylbenzene	105	10.105	10.105	(0.967)	30960	2.50000	2.06669
86	Sec-Butylbenzene	105	10.279	10.279	(0.984)	38593	2.50000	1.98935
87	1,3-Dichlorobenzene	146	10.385	10.385	(0.994)	22695	2.50000	2.40757
88	P-Isopropyltoluene	119	10.417	10.417	(0.997)	33687	2.50000	1.97387
89	1,4-Dichlorobenzene	146	10.469	10.469	(1.002)	23769	2.50000	2.44396
90	N-Butylbenzene	91	10.822	10.822	(1.036)	32617	2.50000	2.05511
91	1,2-Dichlorobenzene	146	10.838	10.838	(1.037)	22574	2.50000	2.38700
92	1,2-Dibromo-3-chloropropane	75	11.604	11.604	(1.110)	1565	2.50000	2.48735

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
	93 1,2,4-Trichlorobenzene	180	12.427	12.427	(1.189)	13164	2.50000	2.21480
	94 Hexachlorobutadiene	225	12.604	12.604	(1.206)	9352	2.50000	2.24401
	95 Naphthalene	128	12.678	12.678	(1.213)	21038	2.50000	1.94262
	96 1,2,3-Trichlorobenzene	180	12.912	12.912	(1.236)	12299	2.50000	2.15342
M	97 1,2-Dichloroethene (Total)	96				23596	5.00000	4.88964
M	98 Xylenes (Total)	106				41578	7.50000	6.72327

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: HSL111701.D
Lab Smp Id: HSL 2.5
Analysis Type: VOA
Quant Type: ISTD
Operator: CG
Method File: \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Misc Info: 2;SOIL;0;1_8260.sub;;0;;5.00

Calibration Date: 17-NOV-2010
Calibration Time: 17:13
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	682444	341222	1364888	601486	-11.86
2 Chlorobenzene-d5	526668	263334	1053336	482672	-8.35
3 1,4 Dichlorobenze	348511	174256	697022	344755	-1.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.62	5.12	6.12	5.62	0.00
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	0.03

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: \\QSACCA01\chem\HP11.i\111710.B\HSL111701.D

Page 5

Date : 17-NOV-2010 13:30

Client ID:

Instrument: HP11.i

Sample Info: HSL_2.5;CG ;1;;1;;;5.00

Operator: CG

Column phase:

Column diameter: 0.53

TestAmerica

VOLATILE REPORT low level 8260

Data file : \\QSACCA01\chem\HP11.i\111710.B\HSL111702.D
Lab Smp Id: HSL_5
Inj Date : 17-NOV-2010 13:54
Operator : CG Inst ID: HP11.i
Smp Info : HSL_5;CG ;1;;2;;;5.00
Misc Info : 2;SOIL;0;1_8260.sub;;0;;5.00
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\111710.B\8260S.m
Meth Date : 17-Nov-2010 15:13 gainesc Quant Type: ISTD
Cal Date : 17-NOV-2010 13:54 Cal File: HSL111702.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	619630	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	493821	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.446	10.446	(1.000)	345518	50.0000	
$ 4	Dibromofluoromethane	111	4.954	4.954	(0.881)	21178	5.00000	4.80067
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	19527	5.00000	4.85701
$ 6	Toluene-d8	98	6.912	6.912	(1.229)	56140	5.00000	4.73188
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	24573	5.00000	4.80103
8	Dichlorodifluoromethane	85	1.401	1.401	(0.249)	26439	5.00000	4.86125
9	Chloromethane (**)	50	1.556	1.556	(0.277)	28093	5.00000	4.71134
10	Vinyl Chloride (*)	62	1.675	1.675	(0.298)	27245	5.00000	4.95616
11	Bromomethane	94	2.009	2.009	(0.357)	12210	5.00000	4.55180
12	Chloroethane	64	2.128	2.128	(0.378)	15629	5.00000	4.72760
13	Trichlorofluoromethane	101	2.395	2.395	(0.426)	34790	5.00000	4.85941
15	Trichlorotrifluoroethane	101	2.929	2.929	(0.521)	22653	5.00000	4.91344
17	1,1-Dichloroethene(*)	96	2.906	2.906	(0.517)	20175	5.00000	4.91138
18	Acetone	43	2.977	2.977	(0.529)	7929	5.00000	4.94021
21	Carbon disulfide	76	3.105	3.105	(0.552)	65646	5.00000	4.78922
31	Vinyl acetate	43	4.080	4.080	(0.725)	24179	5.00000	4.70403
22	Methylene Chloride	84	3.379	3.379	(0.601)	25113	5.00000	4.78588
23	t-Butanol	59	3.511	3.511	(0.624)	29883	125.000	115.415
25	Methyl-t-butyl-ether	73	3.649	3.649	(0.649)	48669	5.00000	4.66508

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
26 trans-1,2-Dichloroethene	96	3.639	3.639	(0.647)	23869	5.00000	4.84734
27 Acrylonitrile	53	3.617	3.617	(0.643)	66735	50.0000	46.3370
30 1,1-Dichloroethane (**)	63	4.022	4.022	(0.715)	37632	5.00000	4.78598
33 2,2-Dichloropropane	77	4.536	4.536	(0.806)	19448	5.00000	4.84720
35 cis 1,2-Dichloroethene	96	4.540	4.540	(0.807)	24477	5.00000	4.87599
38 2-Butanone	43	4.559	4.559	(0.810)	7092	5.00000	5.01289
40 Bromochloromethane	128	4.742	4.742	(0.843)	11244	5.00000	4.64629
41 Chloroform (*)	83	4.816	4.816	(0.856)	36503	5.00000	4.84376
42 1,1,1-Trichloroethane	97	4.980	4.980	(0.885)	30008	5.00000	4.99844
43 Carbon Tetrachloride	117	5.118	5.118	(0.910)	26899	5.00000	4.86273
44 1,1-Dichloropropene	75	5.121	5.121	(0.910)	25133	5.00000	5.05973
47 Benzene	78	5.298	5.298	(0.942)	79390	5.00000	4.90948
48 1,2-Dichloroethane	62	5.308	5.308	(0.943)	22240	5.00000	4.76311
49 Trichloroethene	95	5.851	5.851	(1.040)	18746	5.00000	5.04080
51 1,2-Dichloropropane(*)	63	6.048	6.048	(1.075)	17280	5.00000	4.92838
52 Dibromomethane	93	6.147	6.147	(1.093)	9488	5.00000	4.70148
53 1,4-Dioxane	88	6.170	6.170	(1.097)	3112	125.000	111.429
54 Bromodichloromethane	83	6.282	6.282	(1.117)	20250	5.00000	4.80461
55 2-Chloroethyl vinyl ether	63	6.543	6.543	(1.163)	3120	5.00000	4.49400
56 cis-1,3-Dichloropropene (xtr)	75	6.674	6.674	(1.186)	16183	5.00000	4.51196
57 4-Methyl-2-pentanone	43	6.810	6.810	(1.210)	10134	5.00000	4.38388
58 Toluene (*)	92	6.970	6.970	(1.239)	41765	5.00000	5.04468
60 trans-1,3-Dichloropropene(xt)	75	7.163	7.163	(1.273)	12079	5.00000	4.73763
61 1,1,2-Trichloroethane	97	7.327	7.327	(1.302)	11477	5.00000	4.73712
62 Tetrachloroethene	166	7.465	7.465	(0.908)	19188	5.00000	5.00561
63 1,3-Dichloropropane	76	7.485	7.485	(0.910)	18383	5.00000	4.79828
64 2-Hexanone	43	7.549	7.549	(0.918)	5890	5.00000	4.68083
65 Dibromochloromethane	129	7.687	7.687	(0.935)	12392	5.00000	4.65261
66 1,2-Dibromoethane	107	7.797	7.797	(0.948)	10540	5.00000	4.87134
67 1-Chlorohexane	91	8.221	8.221	(1.000)	19005	5.00000	4.99418
68 Chlorobenzene (**)	112	8.247	8.247	(1.003)	46907	5.00000	5.06778
69 Ethylbenzene (*)	106	8.346	8.346	(1.015)	25497	5.00000	5.08946
70 1,1,1,2-Tetrachloroethane	131	8.324	8.324	(1.013)	18968	5.00000	5.05878
71 Xylenes (m,p)	106	8.456	8.456	(1.029)	65248	10.0000	10.3088
72 Xylene (o)	106	8.829	8.829	(1.074)	31543	5.00000	4.98916
73 Styrene	104	8.845	8.845	(1.076)	45907	5.00000	4.98382
74 Bromoform (**)	173	9.018	9.018	(1.097)	8121	5.00000	4.68286
75 Isopropylbenzene	105	9.179	9.179	(1.117)	74456	5.00000	4.90995
77 Bromobenzene	156	9.475	9.475	(0.907)	21174	5.00000	5.12346
78 1,1,2,2-Tetrachloroethane(**)	83	9.459	9.459	(0.906)	18251	5.00000	4.84345
79 N-Propylbenzene	91	9.575	9.575	(0.917)	96702	5.00000	4.96355
80 1,2,3-Trichloropropane	110	9.510	9.510	(0.910)	5560	5.00000	4.82608
81 2-Chlorotoluene	91	9.658	9.658	(0.925)	61701	5.00000	5.15937
82 1,3,5-Trimethylbenzene	105	9.745	9.745	(0.933)	67332	5.00000	4.84104
83 4-Chlorotoluene	91	9.764	9.764	(0.935)	68981	5.00000	5.17172
84 T-Butylbenzene	119	10.060	10.060	(0.963)	54993	5.00000	4.75206
85 1,2,4-Trimethylbenzene	105	10.105	10.105	(0.967)	73939	5.00000	4.92478
86 Sec-Butylbenzene	105	10.279	10.279	(0.984)	94378	5.00000	4.85415
87 1,3-Dichlorobenzene	146	10.382	10.382	(0.994)	48137	5.00000	5.09528
88 P-Isopropyltoluene	119	10.420	10.420	(0.998)	84531	5.00000	4.94212
89 1,4-Dichlorobenzene	146	10.469	10.469	(1.002)	50785	5.00000	5.21024
90 N-Butylbenzene	91	10.822	10.822	(1.036)	75079	5.00000	4.72008
91 1,2-Dichlorobenzene	146	10.838	10.838	(1.038)	47982	5.00000	5.06246
92 1,2-Dibromo-3-chloropropane	75	11.604	11.604	(1.111)	2880	5.00000	4.56725

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
	93 1,2,4-Trichlorobenzene	180	12.430	12.430	(1.190)	28346	5.00000	4.75859
	94 Hexachlorobutadiene	225	12.604	12.604	(1.207)	19952	5.00000	4.77691
	95 Naphthalene	128	12.674	12.674	(1.213)	48299	5.00000	4.45001
	96 1,2,3-Trichlorobenzene	180	12.919	12.919	(1.237)	27937	5.00000	4.88066
M	97 1,2-Dichloroethene (Total)	96				48346	10.0000	9.72333
M	98 Xylenes (Total)	106				96791	15.0000	15.2979

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: HSL111702.D
Lab Smp Id: HSL 5
Analysis Type: VOA
Quant Type: ISTD
Operator: CG
Method File: \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Misc Info: 2;SOIL;0;1_8260.sub;;0;;5.00

Calibration Date: 17-NOV-2010
Calibration Time: 17:13
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	682444	341222	1364888	619630	-9.20
2 Chlorobenzene-d5	526668	263334	1053336	493821	-6.24
3 1,4 Dichlorobenze	348511	174256	697022	345518	-0.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.62	5.12	6.12	5.63	0.06
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	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: \\QSACCA01\chem\HP11.i\111710.B\HSL111702.D

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Date : 17-NOV-2010 13:54

Client ID:

Instrument: HP11.i

Sample Info: HSL_5;CG ;1;;2;;;5.00

Operator: CG

Column phase:

Column diameter: 0.53

TestAmerica

VOLATILE REPORT low level 8260

Data file : \\QSACCA01\chem\HP11.i\111710.B\HSL111703.D
Lab Smp Id: HSL_10
Inj Date : 17-NOV-2010 14:19
Operator : CG Inst ID: HP11.i
Smp Info : HSL_10;CG ;1;;3;;;5.00
Misc Info : 2;SOIL;0;1_8260.sub;;0;;5.00
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\111710.B\8260S.m
Meth Date : 17-Nov-2010 15:13 gainesc Quant Type: ISTD
Cal Date : 17-NOV-2010 14:19 Cal File: HSL111703.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
* 1	1,4-Difluorobenzene	114	5.623	5.623	(1.000)	603447	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	479850	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.446	10.446	(1.000)	338321	50.0000	
$ 4	Dibromofluoromethane	111	4.958	4.958	(0.882)	41141	10.0000	9.57601
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	36864	10.0000	9.41520
$ 6	Toluene-d8	98	6.916	6.916	(1.230)	114205	10.0000	9.88416
$ 7	4-Bromofluorobenzene	95	9.324	9.324	(1.134)	43226	10.0000	8.69131
8	Dichlorodifluoromethane	85	1.402	1.402	(0.249)	50794	10.0000	9.58978
9	Chloromethane (**)	50	1.556	1.556	(0.277)	56114	10.0000	9.66297
10	Vinyl Chloride (*)	62	1.675	1.675	(0.298)	52896	10.0000	9.88041
11	Bromomethane	94	2.012	2.012	(0.358)	25225	10.0000	9.65589
12	Chloroethane	64	2.131	2.131	(0.379)	31731	10.0000	9.85568
13	Trichlorofluoromethane	101	2.392	2.392	(0.425)	69003	10.0000	9.89670
15	Trichlorotrifluoroethane	101	2.932	2.932	(0.521)	44245	10.0000	9.85411
17	1,1-Dichloroethene(*)	96	2.910	2.910	(0.517)	39974	10.0000	9.99220
18	Acetone	43	2.974	2.974	(0.529)	13120	10.0000	8.39372
21	Carbon disulfide	76	3.106	3.106	(0.552)	135682	10.0000	10.1642
31	Vinyl acetate	43	4.077	4.077	(0.725)	49109	10.0000	9.81039
22	Methylene Chloride	84	3.379	3.379	(0.601)	48633	10.0000	9.51673
23	t-Butanol	59	3.511	3.511	(0.624)	59341	250.000	235.336
25	Methyl-t-butyl-ether	73	3.646	3.646	(0.648)	101057	10.0000	9.94640

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
26	trans-1,2-Dichloroethene	96	3.639	3.639	(0.647)	48303	10.0000	10.0725
27	Acrylonitrile	53	3.614	3.614	(0.643)	137318	100.000	97.9028
30	1,1-Dichloroethane (**)	63	4.022	4.022	(0.715)	76677	10.0000	10.0132
33	2,2-Dichloropropane	77	4.540	4.540	(0.807)	39929	10.0000	10.2187
35	cis 1,2-Dichloroethene	96	4.540	4.540	(0.807)	48385	10.0000	9.89711
38	2-Butanone	43	4.559	4.559	(0.811)	13696	10.0000	9.94046
40	Bromochloromethane	128	4.745	4.745	(0.844)	22463	10.0000	9.53118
41	Chloroform (*)	83	4.816	4.816	(0.856)	73273	10.0000	9.98369
42	1,1,1-Trichloroethane	97	4.977	4.977	(0.885)	59821	10.0000	10.2316
43	Carbon Tetrachloride	117	5.122	5.122	(0.911)	55885	10.0000	10.3737
44	1,1-Dichloropropene	75	5.118	5.118	(0.910)	49359	10.0000	10.2034
47	Benzene	78	5.302	5.302	(0.943)	162165	10.0000	10.2972
48	1,2-Dichloroethane	62	5.315	5.315	(0.945)	44481	10.0000	9.78192
49	Trichloroethene	95	5.852	5.852	(1.041)	38379	10.0000	10.5969
51	1,2-Dichloropropane(*)	63	6.048	6.048	(1.075)	34025	10.0000	9.96443
52	Dibromomethane	93	6.147	6.147	(1.093)	19143	10.0000	9.74010
53	1,4-Dioxane	88	6.163	6.163	(1.096)	6309	250.000	231.959
54	Bromodichloromethane	83	6.282	6.282	(1.117)	40225	10.0000	9.79992
55	2-Chloroethyl vinyl ether	63	6.540	6.540	(1.163)	6558	10.0000	9.69936
56	cis-1,3-Dichloropropene (xtr)	75	6.671	6.671	(1.186)	35121	10.0000	10.0546
57	4-Methyl-2-pentanone	43	6.810	6.810	(1.211)	22079	10.0000	9.80732
58	Toluene (*)	92	6.970	6.970	(1.240)	84585	10.0000	10.4908
60	trans-1,3-Dichloropropene(xt)	75	7.160	7.160	(1.273)	24801	10.0000	9.98832
61	1,1,2-Trichloroethane	97	7.331	7.331	(1.304)	22889	10.0000	9.70076
62	Tetrachloroethene	166	7.466	7.466	(0.908)	37956	10.0000	10.1899
63	1,3-Dichloropropane	76	7.482	7.482	(0.910)	36438	10.0000	9.78787
64	2-Hexanone	43	7.556	7.556	(0.919)	11724	10.0000	9.58843
65	Dibromochloromethane	129	7.691	7.691	(0.935)	25719	10.0000	9.93742
66	1,2-Dibromoethane	107	7.797	7.797	(0.948)	20820	10.0000	9.90268
67	1-Chlorohexane	91	8.218	8.218	(1.000)	36904	10.0000	9.98007
68	Chlorobenzene (**)	112	8.247	8.247	(1.003)	93014	10.0000	10.3417
69	Ethylbenzene (*)	106	8.347	8.347	(1.015)	51672	10.0000	10.6146
70	1,1,1,2-Tetrachloroethane	131	8.321	8.321	(1.012)	37501	10.0000	10.2927
71	Xylenes (m,p)	106	8.453	8.453	(1.028)	132078	20.0000	21.4750
72	Xylene (o)	106	8.832	8.832	(1.074)	66705	10.0000	10.8579
73	Styrene	104	8.842	8.842	(1.075)	98295	10.0000	10.9819
74	Bromoform (**)	173	9.015	9.015	(1.097)	16067	10.0000	9.53455
75	Isopropylbenzene	105	9.183	9.183	(1.117)	158388	10.0000	10.7489
77	Bromobenzene	156	9.472	9.472	(0.907)	41256	10.0000	10.1950
78	1,1,2,2-Tetrachloroethane(**)	83	9.462	9.462	(0.906)	35109	10.0000	9.51543
79	N-Propylbenzene	91	9.575	9.575	(0.917)	203374	10.0000	10.6609
80	1,2,3-Trichloropropane	110	9.504	9.504	(0.910)	11093	10.0000	9.83356
81	2-Chlorotoluene	91	9.658	9.658	(0.925)	123835	10.0000	10.5752
82	1,3,5-Trimethylbenzene	105	9.745	9.745	(0.933)	147556	10.0000	10.8347
83	4-Chlorotoluene	91	9.765	9.765	(0.935)	138720	10.0000	10.6215
84	T-Butylbenzene	119	10.060	10.060	(0.963)	120073	10.0000	10.5965
85	1,2,4-Trimethylbenzene	105	10.109	10.109	(0.968)	158593	10.0000	10.7880
86	Sec-Butylbenzene	105	10.276	10.276	(0.984)	201262	10.0000	10.5717
87	1,3-Dichlorobenzene	146	10.385	10.385	(0.994)	96035	10.0000	10.3815
88	P-Isopropyltoluene	119	10.417	10.417	(0.997)	176028	10.0000	10.5104
89	1,4-Dichlorobenzene	146	10.472	10.472	(1.002)	98018	10.0000	10.2700
90	N-Butylbenzene	91	10.822	10.822	(1.036)	162712	10.0000	10.4470
91	1,2-Dichlorobenzene	146	10.838	10.838	(1.038)	97098	10.0000	10.4625
92	1,2-Dibromo-3-chloropropane	75	11.604	11.604	(1.111)	6055	10.0000	9.80659

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
	93 1,2,4-Trichlorobenzene	180	12.433	12.433	(1.190)	61538	10.0000	10.5505
	94 Hexachlorobutadiene	225	12.604	12.604	(1.207)	41729	10.0000	10.2033
	95 Naphthalene	128	12.678	12.678	(1.214)	118050	10.0000	11.1079
	96 1,2,3-Trichlorobenzene	180	12.919	12.919	(1.237)	59569	10.0000	10.6282
M	97 1,2-Dichloroethene (Total)	96				96688	20.0000	19.9696
M	98 Xylenes (Total)	106				198783	30.0000	32.3330

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: HSL111703.D
Lab Smp Id: HSL 10
Analysis Type: VOA
Quant Type: ISTD
Operator: CG
Method File: \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Misc Info: 2;SOIL;0;1_8260.sub;;0;;5.00

Calibration Date: 17-NOV-2010
Calibration Time: 17:13
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	682444	341222	1364888	603447	-11.58
2 Chlorobenzene-d5	526668	263334	1053336	479850	-8.89
3 1,4 Dichlorobenze	348511	174256	697022	338321	-2.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.62	5.12	6.12	5.62	0.00
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	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: \\QSACCA01\chem\HP11.i\111710.B\HSL111703.D

Date : 17-NOV-2010 14:19

Client ID:

Sample Info: HSL_10;CG ;1;;3;;;5.00

Column phase:

Instrument: HP11.i

Operator: CG

Column diameter: 0.53

TestAmerica

VOLATILE REPORT low level 8260

Data file : \\QSACCA01\chem\HP11.i\111710.B\HSL111704.D
Lab Smp Id: HSL_20
Inj Date : 17-NOV-2010 14:44
Operator : CG Inst ID: HP11.i
Smp Info : HSL_20;CG ;1;;4;;;5.00
Misc Info : 2;SOIL;0;1_8260.sub;;0;;5.00
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\111710.B\8260S.m
Meth Date : 17-Nov-2010 15:13 gainesc Quant Type: ISTD
Cal Date : 17-NOV-2010 14:44 Cal File: HSL111704.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight
Cpnd Variable		Local Compound Variable

√ 11/15/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
*	1 1,4-Difluorobenzene	114	5.626	5.626	(1.000)	591117	50.0000	
*	2 Chlorobenzene-d5	117	8.221	8.221	(1.000)	466071	50.0000	
*	3 1,4 Dichlorobenzene-d4	152	10.449	10.449	(1.000)	320541	50.0000	
$	4 Dibromofluoromethane	111	4.954	4.954	(0.881)	87799	20.0000	20.8531
$	5 1,2-Dichloroethane-d4	65	5.244	5.244	(0.932)	76764	20.0000	20.0148
$	6 Toluene-d8	98	6.912	6.912	(1.229)	252424	20.0000	22.3024
$	7 4-Bromofluorobenzene	95	9.324	9.324	(1.134)	92938	20.0000	19.2392
	8 Dichlorodifluoromethane	85	1.401	1.401	(0.249)	107294	20.0000	20.6794
	9 Chloromethane (**)	50	1.553	1.553	(0.276)	116857	20.0000	20.5428
	10 Vinyl Chloride (*)	62	1.672	1.672	(0.297)	106261	20.0000	20.2624
	11 Bromomethane	94	2.012	2.012	(0.358)	56010	20.0000	21.8873
	12 Chloroethane	64	2.125	2.125	(0.378)	65494	20.0000	20.7668
	13 Trichlorofluoromethane	101	2.395	2.395	(0.426)	135883	20.0000	19.8954
	15 Trichlorotrifluoroethane	101	2.935	2.935	(0.522)	89793	20.0000	20.4156
	17 1,1-Dichloroethene(*)	96	2.909	2.909	(0.517)	81837	20.0000	20.8833
	18 Acetone	43	2.977	2.977	(0.529)	20781	20.0000	13.5723
	21 Carbon disulfide	76	3.106	3.106	(0.552)	282749	20.0000	21.6230
	31 Vinyl acetate	43	4.077	4.077	(0.725)	112543	20.0000	22.9514
	22 Methylene Chloride	84	3.382	3.382	(0.601)	103866	20.0000	20.7489
	23 t-Butanol	59	3.511	3.511	(0.624)	140054	500.000	567.014
	25 Methyl-t-butyl-ether	73	3.646	3.646	(0.648)	220998	20.0000	22.2051

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
26	trans-1,2-Dichloroethene	96	3.636	3.636	(0.646)	96798	20.0000	20.6060
27	Acrylonitrile	53	3.614	3.614	(0.642)	297614	200.000	216.614
30	1,1-Dichloroethane (**)	63	4.022	4.022	(0.715)	159933	20.0000	21.3211
33	2,2-Dichloropropane	77	4.536	4.536	(0.806)	80313	20.0000	20.9827
35	cis 1,2-Dichloroethene	96	4.536	4.536	(0.806)	102695	20.0000	21.4443
38	2-Butanone	43	4.552	4.552	(0.809)	28549	20.0000	21.1529
40	Bromochloromethane	128	4.745	4.745	(0.843)	51563	20.0000	22.3348
41	Chloroform (*)	83	4.816	4.816	(0.856)	149202	20.0000	20.7533
42	1,1,1-Trichloroethane	97	4.977	4.977	(0.885)	116976	20.0000	20.4246
43	Carbon Tetrachloride	117	5.122	5.122	(0.910)	107399	20.0000	20.3518
44	1,1-Dichloropropene	75	5.118	5.118	(0.910)	94698	20.0000	19.9840
47	Benzene	78	5.298	5.298	(0.942)	319249	20.0000	20.6947
48	1,2-Dichloroethane	62	5.308	5.308	(0.943)	95960	20.0000	21.5430
49	Trichloroethene	95	5.851	5.851	(1.040)	68577	20.0000	19.3298
51	1,2-Dichloropropane(*)	63	6.044	6.044	(1.074)	70357	20.0000	21.0342
52	Dibromomethane	93	6.147	6.147	(1.093)	41572	20.0000	21.5933
53	1,4-Dioxane	88	6.167	6.167	(1.096)	16778	500.000	629.733
54	Bromodichloromethane	83	6.282	6.282	(1.117)	87928	20.0000	21.8685
55	2-Chloroethyl vinyl ether	63	6.543	6.543	(1.163)	14985	20.0000	22.6253
56	cis-1,3-Dichloropropene (xtr)	75	6.671	6.671	(1.186)	78262	20.0000	22.8726
57	4-Methyl-2-pentanone	43	6.810	6.810	(1.210)	52410	20.0000	23.7657
58	Toluene (*)	92	6.974	6.974	(1.239)	157544	20.0000	19.9472
60	trans-1,3-Dichloropropene(xt)	75	7.163	7.163	(1.273)	56297	20.0000	23.1459
61	1,1,2-Trichloroethane	97	7.327	7.327	(1.302)	49313	20.0000	21.3357
62	Tetrachloroethene	166	7.465	7.465	(0.908)	69990	20.0000	19.3455
63	1,3-Dichloropropane	76	7.482	7.482	(0.910)	78072	20.0000	21.5915
64	2-Hexanone	43	7.552	7.552	(0.919)	27349	20.0000	23.0286
65	Dibromochloromethane	129	7.687	7.687	(0.935)	57021	20.0000	22.6834
66	1,2-Dibromoethane	107	7.797	7.797	(0.948)	45087	20.0000	22.0789
67	1-Chlorohexane	91	8.218	8.218	(1.000)	70960	20.0000	19.7573
68	Chlorobenzene (**)	112	8.247	8.247	(1.003)	164542	20.0000	18.8354
69	Ethylbenzene (*)	106	8.346	8.346	(1.015)	93988	20.0000	19.8780
70	1,1,1,2-Tetrachloroethane	131	8.321	8.321	(1.012)	73034	20.0000	20.6380
71	Xylenes (m,p)	106	8.456	8.456	(1.029)	237696	40.0000	39.7904
72	Xylene (o)	106	8.829	8.829	(1.074)	122716	20.0000	20.5657
73	Styrene	104	8.838	8.838	(1.075)	178296	20.0000	20.5089
74	Bromoform (**)	173	9.015	9.015	(1.097)	35544	20.0000	21.7162
75	Isopropylbenzene	105	9.179	9.179	(1.117)	320280	20.0000	22.3782
77	Bromobenzene	156	9.475	9.475	(0.907)	76200	20.0000	19.8748
78	1,1,2,2-Tetrachloroethane(**)	83	9.459	9.459	(0.905)	76948	20.0000	22.0116
79	N-Propylbenzene	91	9.575	9.575	(0.916)	403432	20.0000	22.3210
80	1,2,3-Trichloropropane	110	9.504	9.504	(0.910)	23887	20.0000	22.3496
81	2-Chlorotoluene	91	9.658	9.658	(0.924)	226991	20.0000	20.4597
82	1,3,5-Trimethylbenzene	105	9.745	9.745	(0.933)	297053	20.0000	23.0217
83	4-Chlorotoluene	91	9.764	9.764	(0.934)	247353	20.0000	19.9898
84	T-Butylbenzene	119	10.060	10.060	(0.963)	262000	20.0000	24.4041
85	1,2,4-Trimethylbenzene	105	10.108	10.108	(0.967)	309090	20.0000	22.1914
86	Sec-Butylbenzene	105	10.276	10.276	(0.983)	424329	20.0000	23.5251
87	1,3-Dichlorobenzene	146	10.382	10.382	(0.994)	171741	20.0000	19.5952
88	P-Isopropyltoluene	119	10.417	10.417	(0.997)	371618	20.0000	23.4197
89	1,4-Dichlorobenzene	146	10.472	10.472	(1.002)	172418	20.0000	19.0674
90	N-Butylbenzene	91	10.822	10.822	(1.036)	350978	20.0000	23.7847
91	1,2-Dichlorobenzene	146	10.838	10.838	(1.037)	173476	20.0000	19.7292
92	1,2-Dibromo-3-chloropropane	75	11.604	11.604	(1.110)	12998	20.0000	22.2190

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
93	1,2,4-Trichlorobenzene	180	12.433	12.433	(1.190)	122385	20.0000	22.1463
94	Hexachlorobutadiene	225	12.600	12.600	(1.206)	87314	20.0000	22.5336
95	Naphthalene	128	12.678	12.678	(1.213)	246121	20.0000	24.4432
96	1,2,3-Trichlorobenzene	180	12.915	12.915	(1.236)	116791	20.0000	21.9935
M 97	1,2-Dichloroethene (Total)	96				199493	40.0000	42.0504
M 98	Xylenes (Total)	106				360412	60.0000	60.3561

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: HSL111704.D
Lab Smp Id: HSL 20
Analysis Type: VOA
Quant Type: ISTD
Operator: CG
Method File: \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Misc Info: 2;SOIL;0;1_8260.sub;;0;;5.00

Calibration Date: 17-NOV-2010
Calibration Time: 17:13
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	682444	341222	1364888	591117	-13.38
2 Chlorobenzene-d5	526668	263334	1053336	466071	-11.51
3 1,4 Dichlorobenze	348511	174256	697022	320541	-8.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.62	5.12	6.12	5.63	0.06
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	0.03

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: \\QSACCA01\ohem\HP11.i\111710.B\HSL111704.D

Page 5

Date : 17-NOV-2010 14:44

Client ID:

Instrument: HP11.i

Sample Info: HSL_20;CG ;1;;4;;;5.00

Operator: CG

Column phase:

Column diameter: 0.53

TestAmerica

VOLATILE REPORT low level 8260

Data file : \\QSACCA01\chem\HP11.i\111710.B\HSL111705.D
Lab Smp Id: HSL_40
Inj Date : 17-NOV-2010 15:09
Operator : CG Inst ID: HP11.i
Smp Info : HSL_40;CG ;1;;5;;;5.00
Misc Info : 2;SOIL;0;1_8260.sub;;0;;5.00
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\111710.B\8260S.m
Meth Date : 17-Nov-2010 15:39 gainesc Quant Type: ISTD
Cal Date : 17-NOV-2010 15:09 Cal File: HSL111705.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
* 1 1,4-Difluorobenzene	114	5.623	5.623	(1.000)	682444	50.0000	
* 2 Chlorobenzene-d5	117	8.221	8.221	(1.000)	526668	50.0000	
* 3 1,4 Dichlorobenzene-d4	152	10.446	10.446	(1.000)	348511	50.0000	
$ 4 Dibromofluoromethane	111	4.954	4.954	(0.881)	177843	40.0000	37.2220
$ 5 1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	160263	40.0000	36.8958
$ 6 Toluene-d8	98	6.912	6.912	(1.229)	526824	40.0000	40.2535
$ 7 4-Bromofluorobenzene	95	9.327	9.327	(1.135)	191003	40.0000	35.8894
8 Dichlorodifluoromethane	85	1.401	1.401	(0.249)	220609	40.0000	37.4225
9 Chloromethane (**)	50	1.552	1.552	(0.276)	241421	40.0000	37.3661
10 Vinyl Chloride (*)	62	1.671	1.671	(0.297)	224132	40.0000	37.5794
11 Bromomethane	94	2.012	2.012	(0.358)	115607	40.0000	39.3015
12 Chloroethane	64	2.128	2.128	(0.378)	139170	40.0000	38.5654
13 Trichlorofluoromethane	101	2.395	2.395	(0.426)	278288	40.0000	36.1437
15 Trichlorotrifluoroethane	101	2.935	2.935	(0.522)	187704	40.0000	37.5351
17 1,1-Dichloroethene(*)	96	2.909	2.909	(0.517)	175349	40.0000	39.0000
18 Acetone	43	2.970	2.970	(0.528)	49086	40.0000	29.5772
21 Carbon disulfide	76	3.105	3.105	(0.552)	621015	40.0000	40.9038
31 Vinyl acetate	43	4.076	4.076	(0.725)	261495	40.0000	44.8043
22 Methylene Chloride	84	3.379	3.379	(0.601)	206310	40.0000	36.4831
23 t-Butanol	59	3.507	3.507	(0.624)	324220	1000.00	1106.64
25 Methyl-t-butyl-ether	73	3.642	3.642	(0.648)	473022	40.0000	40.9285

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
26	trans-1,2-Dichloroethene	96	3.636	3.636	(0.647)	203684	40.0000	38.0215
27	Acrylonitrile	53	3.613	3.613	(0.643)	636328	400.000	400.930
30	1,1-Dichloroethane (**)	63	4.022	4.022	(0.715)	330398	40.0000	38.5077
33	2,2-Dichloropropane	77	4.539	4.539	(0.807)	182424	40.0000	41.0192
35	cis 1,2-Dichloroethene	96	4.539	4.539	(0.807)	217493	40.0000	39.4688
38	2-Butanone	43	4.556	4.556	(0.810)	65350	40.0000	41.5372
40	Bromochloromethane	128	4.748	4.748	(0.844)	103200	40.0000	38.9691
41	Chloroform (*)	83	4.819	4.819	(0.857)	318196	40.0000	38.6582
42	1,1,1-Trichloroethane	97	4.977	4.977	(0.885)	266226	40.0000	40.2106
43	Carbon Tetrachloride	117	5.121	5.121	(0.911)	249437	40.0000	40.7502
44	1,1-Dichloropropene	75	5.121	5.121	(0.911)	232291	40.0000	41.9442
47	Benzene	78	5.298	5.298	(0.942)	711720	40.0000	39.9694
48	1,2-Dichloroethane	62	5.311	5.311	(0.945)	199288	40.0000	38.9960
49	Trichloroethene	95	5.851	5.851	(1.041)	170513	40.0000	41.2940
51	1,2-Dichloropropane(*)	63	6.047	6.047	(1.075)	155482	40.0000	40.2101
52	Dibromomethane	93	6.147	6.147	(1.093)	88302	40.0000	39.7820
53	1,4-Dioxane	88	6.163	6.163	(1.096)	34985	1000.00	1106.96
54	Bromodichloromethane	83	6.282	6.282	(1.117)	194591	40.0000	41.5214
55	2-Chloroethyl vinyl ether	63	6.543	6.543	(1.164)	36017	40.0000	45.1010
56	cis-1,3-Dichloropropene (xtr)	75	6.674	6.674	(1.187)	188847	40.0000	46.0102
57	4-Methyl-2-pentanone	43	6.809	6.809	(1.211)	128815	40.0000	48.0497
58	Toluene (*)	92	6.973	6.973	(1.240)	393148	40.0000	42.4548
60	trans-1,3-Dichloropropene(xt)	75	7.163	7.163	(1.274)	135235	40.0000	46.2719
61	1,1,2-Trichloroethane	97	7.327	7.327	(1.303)	107130	40.0000	40.1182
62	Tetrachloroethene	166	7.465	7.465	(0.908)	176996	40.0000	42.5921
63	1,3-Dichloropropane	76	7.481	7.481	(0.910)	171249	40.0000	41.5145
64	2-Hexanone	43	7.552	7.552	(0.919)	62677	40.0000	45.1888
65	Dibromochloromethane	129	7.687	7.687	(0.935)	128875	40.0000	44.1827
66	1,2-Dibromoethane	107	7.797	7.797	(0.948)	100052	40.0000	42.6418
67	1-Chlorohexane	91	8.218	8.218	(1.000)	163882	40.0000	40.3030
68	Chlorobenzene (**)	112	8.250	8.250	(1.004)	409519	40.0000	41.1789
69	Ethylbenzene (*)	106	8.346	8.346	(1.015)	239655	40.0000	43.7912
70	1,1,1,2-Tetrachloroethane	131	8.321	8.321	(1.012)	176600	40.0000	43.2616
71	Xylenes (m,p)	106	8.456	8.456	(1.029)	600226	80.0000	86.9784
72	Xylene (o)	106	8.832	8.832	(1.074)	315807	40.0000	45.2880
73	Styrene	104	8.842	8.842	(1.075)	459869	40.0000	45.2696
74	Bromoform (**)	173	9.018	9.018	(1.097)	83283	40.0000	43.9244
75	Isopropylbenzene	105	9.179	9.179	(1.117)	813606	40.0000	47.8411
77	Bromobenzene	156	9.475	9.475	(0.907)	189040	40.0000	44.1678
78	1,1,2,2-Tetrachloroethane(**)	83	9.459	9.459	(0.906)	161075	40.0000	41.8808
79	N-Propylbenzene	91	9.575	9.575	(0.917)	986198	40.0000	47.7533
80	1,2,3-Trichloropropane	110	9.507	9.507	(0.910)	48749	40.0000	41.5456
81	2-Chlorotoluene	91	9.658	9.658	(0.925)	565781	40.0000	45.3386
82	1,3,5-Trimethylbenzene	105	9.745	9.745	(0.933)	733383	40.0000	49.2528
83	4-Chlorotoluene	91	9.764	9.764	(0.935)	612838	40.0000	44.3214
84	T-Butylbenzene	119	10.063	10.063	(0.963)	665543	40.0000	52.5462
85	1,2,4-Trimethylbenzene	105	10.108	10.108	(0.968)	744204	40.0000	46.9945
86	Sec-Butylbenzene	105	10.276	10.276	(0.984)	1015880	40.0000	48.9149
87	1,3-Dichlorobenzene	146	10.385	10.385	(0.994)	419550	40.0000	43.1586
88	P-Isopropyltoluene	119	10.417	10.417	(0.997)	881024	40.0000	48.3892
89	1,4-Dichlorobenzene	146	10.472	10.472	(1.002)	420270	40.0000	42.1678
90	N-Butylbenzene	91	10.822	10.822	(1.036)	802357	40.0000	47.6260
91	1,2-Dichlorobenzene	146	10.838	10.838	(1.038)	419601	40.0000	43.0533
92	1,2-Dibromo-3-chloropropane	75	11.610	11.610	(1.111)	27373	40.0000	42.3930

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
	93 1,2,4-Trichlorobenzene	180	12.430	12.430	(1.190)	290775	40.0000	46.4452
	94 Hexachlorobutadiene	225	12.603	12.603	(1.207)	185400	40.0000	43.1429
	95 Naphthalene	128	12.677	12.677	(1.214)	625822	40.0000	52.6464
	96 1,2,3-Trichlorobenzene	180	12.919	12.919	(1.237)	273171	40.0000	45.6446
M	97 1,2-Dichloroethene (Total)	96				421177	80.0000	77.4903
M	98 Xylenes (Total)	106				916033	120.000	132.266

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: HSL111705.D
Lab Smp Id: HSL 40
Analysis Type: VOA
Quant Type: ISTD
Operator: CG
Method File: \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Misc Info: 2;SOIL;0;1_8260.sub;;0;;5.00

Calibration Date: 17-NOV-2010
Calibration Time: 17:13
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	682444	341222	1364888	682444	0.00
2 Chlorobenzene-d5	526668	263334	1053336	526668	0.00
3 1,4 Dichlorobenze	348511	174256	697022	348511	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.62	5.12	6.12	5.62	0.00
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	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: \\QSACCA01\ohem\HP11.i\111710.B\HSL111705.D

Date : 17-NOV-2010 15:09

Client ID:

Sample Info: HSL_40;CG ;1;;5;;;5.00

Column phase:

Instrument: HP11.i

Operator: CG

Column diameter: 0.53

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VOLATILE REPORT low level 8260

Data file : \\QSACCA01\chem\HP11.i\111710.B\HSL111706.D
Lab Smp Id: HSL_100
Inj Date : 17-NOV-2010 15:33
Operator : CG Inst ID: HP11.i
Smp Info : HSL_100;CG ;1;;6;;;5.00
Misc Info : 2;SOIL;0;1_8260.sub;;0;;5.00
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\111710.B\8260S.m
Meth Date : 17-Nov-2010 15:52 gainesc Quant Type: ISTD
Cal Date : 17-NOV-2010 15:33 Cal File: HSL111706.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	757542	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	573021	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.446	10.446	(1.000)	371930	50.0000	
$ 4	Dibromofluoromethane	111	4.954	4.954	(0.881)	462665	100.000	89.1311
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	426371	100.000	90.1674
$ 6	Toluene-d8	98	6.913	6.913	(1.229)	1424881	100.000	98.3942
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	508329	100.000	89.6122
8	Dichlorodifluoromethane	85	1.398	1.398	(0.249)	553453	100.000	86.8080
9	Chloromethane (**)	50	1.553	1.553	(0.276)	594995	100.000	85.3862
10	Vinyl Chloride (*)	62	1.672	1.672	(0.297)	564825	100.000	87.4545
11	Bromomethane	94	2.006	2.006	(0.357)	270246	100.000	85.2124
12	Chloroethane	64	2.122	2.122	(0.377)	335481	100.000	86.0806
13	Trichlorofluoromethane	101	2.392	2.392	(0.425)	720291	100.000	86.5444
15	Trichlorotrifluoroethane	101	2.932	2.932	(0.521)	459259	100.000	85.1851
17	1,1-Dichloroethene(*)	96	2.906	2.906	(0.517)	432380	100.000	88.6077
18	Acetone	43	2.971	2.971	(0.528)	121004	100.000	69.6687
21	Carbon disulfide	76	3.102	3.102	(0.551)	1528131	100.000	92.1056
31	Vinyl acetate	43	4.077	4.077	(0.725)	764405	100.000	114.554
22	Methylene Chloride	84	3.379	3.379	(0.601)	516934	100.000	84.8464
23	t-Butanol	59	3.511	3.511	(0.624)	877128	2500.00	2662.09
25	Methyl-t-butyl-ether	73	3.643	3.643	(0.647)	1200654	100.000	94.5993

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
26	trans-1,2-Dichloroethene	96	3.636	3.636	(0.646)	495555	100.000	85.7152
27	Acrylonitrile	53	3.610	3.610	(0.642)	1559461	1000.00	902.433
30	1,1-Dichloroethane (**)	63	4.022	4.022	(0.715)	835583	100.000	89.5637
33	2,2-Dichloropropane	77	4.536	4.536	(0.806)	449744	100.000	92.4740
35	cis 1,2-Dichloroethene	96	4.536	4.536	(0.806)	543047	100.000	90.4704
38	2-Butanone	43	4.556	4.556	(0.810)	176840	100.000	101.047
40	Bromochloromethane	128	4.742	4.742	(0.843)	263051	100.000	91.0795
41	Chloroform (*)	83	4.816	4.816	(0.856)	797092	100.000	89.1355
42	1,1,1-Trichloroethane	97	4.977	4.977	(0.885)	660193	100.000	91.3790
43	Carbon Tetrachloride	117	5.122	5.122	(0.910)	607279	100.000	90.9864
44	1,1-Dichloropropene	75	5.118	5.118	(0.910)	589893	100.000	96.6072
47	Benzene	78	5.295	5.295	(0.941)	1827965	100.000	93.6536
48	1,2-Dichloroethane	62	5.311	5.311	(0.944)	520086	100.000	92.9690
49	Trichloroethene	95	5.852	5.852	(1.040)	442629	100.000	97.1229
51	1,2-Dichloropropane(*)	63	6.048	6.048	(1.075)	419132	100.000	98.0329
52	Dibromomethane	93	6.147	6.147	(1.093)	234244	100.000	95.8580
53	1,4-Dioxane	88	6.163	6.163	(1.095)	89551	2500.00	2543.68
54	Bromodichloromethane	83	6.282	6.282	(1.117)	535316	100.000	102.406
55	2-Chloroethyl vinyl ether	63	6.543	6.543	(1.163)	119477	100.000	126.014
56	cis-1,3-Dichloropropene (xtr)	75	6.675	6.675	(1.186)	568549	100.000	119.837
57	4-Methyl-2-pentanone	43	6.806	6.806	(1.210)	371903	100.000	119.979
58	Toluene (*)	92	6.970	6.970	(1.239)	1027138	100.000	99.9348
60	trans-1,3-Dichloropropene(xt)	75	7.163	7.163	(1.273)	404065	100.000	119.653
61	1,1,2-Trichloroethane	97	7.327	7.327	(1.302)	290391	100.000	98.2989
62	Tetrachloroethene	166	7.466	7.466	(0.908)	454533	100.000	100.442
63	1,3-Dichloropropane	76	7.482	7.482	(0.910)	478591	100.000	105.469
64	2-Hexanone	43	7.552	7.552	(0.919)	183971	100.000	117.615
65	Dibromochloromethane	129	7.687	7.687	(0.935)	359499	100.000	110.826
66	1,2-Dibromoethane	107	7.797	7.797	(0.948)	274636	100.000	106.238
67	1-Chlorohexane	91	8.218	8.218	(1.000)	450282	100.000	101.478
68	Chlorobenzene (**)	112	8.247	8.247	(1.003)	1058844	100.000	98.2091
69	Ethylbenzene (*)	106	8.347	8.347	(1.015)	607468	100.000	101.679
70	1,1,1,2-Tetrachloroethane	131	8.321	8.321	(1.012)	454744	100.000	101.981
71	Xylenes (m,p)	106	8.456	8.456	(1.029)	1512890	200.000	201.246
72	Xylene (o)	106	8.829	8.829	(1.074)	800715	100.000	104.572
73	Styrene	104	8.842	8.842	(1.075)	1188974	100.000	105.234
74	Bromoform (**)	173	9.015	9.015	(1.097)	231742	100.000	110.073
75	Isopropylbenzene	105	9.179	9.179	(1.117)	2058013	100.000	109.182
77	Bromobenzene	156	9.475	9.475	(0.907)	485441	100.000	105.178
78	1,1,2,2-Tetrachloroethane(**)	83	9.459	9.459	(0.906)	422286	100.000	102.392
79	N-Propylbenzene	91	9.575	9.575	(0.917)	2466737	100.000	109.742
80	1,2,3-Trichloropropane	110	9.504	9.504	(0.910)	129973	100.000	103.141
81	2-Chlorotoluene	91	9.658	9.658	(0.925)	1417173	100.000	105.288
82	1,3,5-Trimethylbenzene	105	9.745	9.745	(0.933)	1856471	100.000	113.640
83	4-Chlorotoluene	91	9.765	9.765	(0.935)	1542290	100.000	103.736
84	T-Butylbenzene	119	10.064	10.064	(0.963)	1755877	100.000	123.735
85	1,2,4-Trimethylbenzene	105	10.109	10.109	(0.968)	1885594	100.000	109.462
86	Sec-Butylbenzene	105	10.279	10.279	(0.984)	2597079	100.000	113.915
87	1,3-Dichlorobenzene	146	10.385	10.385	(0.994)	1049535	100.000	100.970
88	P-Isopropyltoluene	119	10.417	10.417	(0.997)	2220929	100.000	111.640
89	1,4-Dichlorobenzene	146	10.472	10.472	(1.002)	1051248	100.000	99.0276
90	N-Butylbenzene	91	10.819	10.819	(1.036)	1994848	100.000	108.964
91	1,2-Dichlorobenzene	146	10.838	10.838	(1.038)	1033176	100.000	99.4446
92	1,2-Dibromo-3-chloropropane	75	11.607	11.607	(1.111)	74324	100.000	106.464

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
	93 1,2,4-Trichlorobenzene	180	12.433	12.433	(1.190)	720761	100.000	106.479
	94 Hexachlorobutadiene	225	12.604	12.604	(1.207)	459227	100.000	100.112
	95 Naphthalene	128	12.674	12.674	(1.213)	1618550	100.000	121.977
	96 1,2,3-Trichlorobenzene	180	12.916	12.916	(1.236)	675829	100.000	104.799
M	97 1,2-Dichloroethene (Total)	96				1038602	200.000	176.186
M	98 Xylenes (Total)	106				2313605	300.000	305.819

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: HSL111706.D
Lab Smp Id: HSL 100
Analysis Type: VOA
Quant Type: ISTD
Operator: CG
Method File: \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Misc Info: 2;SOIL;0;1_8260.sub;;0;;5.00

Calibration Date: 17-NOV-2010
Calibration Time: 17:13
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	682444	341222	1364888	757542	11.00
2 Chlorobenzene-d5	526668	263334	1053336	573021	8.80
3 1,4 Dichlorobenze	348511	174256	697022	371930	6.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.62	5.12	6.12	5.63	0.06
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	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: \\QSACCA01\chem\HP11.i\111710.B\HSL111706.D
Date : 17-NOV-2010 15:33
Client ID:
Sample Info: HSL_100;CG ;1;;6;;;5.00

Instrument: HP11.i

Operator: CG
Column diameter: 0.53

Column phase:

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VOLATILE REPORT low level 8260

Data file : \\QSACCA01\chem\HP11.i\111710.B\HSL111707.D
Lab Smp Id: HSL_200
Inj Date : 17-NOV-2010 15:58
Operator : CG Inst ID: HP11.i
Smp Info : HSL_200;CG ;1;;7;;;5.00
Misc Info : 2;SOIL;0;1_8260.sub;;0;;5.00
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\111710.B\8260S.m
Meth Date : 17-Nov-2010 16:21 gainesc Quant Type: ISTD
Cal Date : 17-NOV-2010 15:58 Cal File: HSL111707.D
Als bottle: 10 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
* 1	1,4-Difluorobenzene	114	5.623	5.623	(1.000)	817502	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	622934	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.449	10.449	(1.000)	387868	50.0000	
$ 4	Dibromofluoromethane	111	4.954	4.954	(0.881)	934169	200.000	170.820
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	870116	200.000	174.182
$ 6	Toluene-d8	98	6.916	6.916	(1.230)	2990401	200.000	192.543
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	1085678	200.000	179.120
8	Dichlorodifluoromethane	85	1.395	1.395	(0.248)	1117651	200.000	166.922
9	Chloromethane (**)	50	1.553	1.553	(0.276)	1190633	200.000	163.189
10	Vinyl Chloride (*)	62	1.675	1.675	(0.298)	1154422	200.000	169.802
11	Bromomethane	94	1.996	1.996	(0.355)	439967	200.000	135.466
12	Chloroethane	64	2.115	2.115	(0.376)	610364	200.000	151.046
13	Trichlorofluoromethane	101	2.389	2.389	(0.425)	1489794	200.000	170.017
15	Trichlorotrifluoroethane	101	2.932	2.932	(0.521)	960155	200.000	169.259
17	1,1-Dichloroethene(*)	96	2.903	2.903	(0.516)	904745	200.000	175.341
18	Acetone	43	2.967	2.967	(0.528)	252100	200.000	141.103
21	Carbon disulfide	76	3.099	3.099	(0.551)	3231463	200.000	183.037
31	Vinyl acetate	43	4.073	4.073	(0.724)	1647585	200.000	224.187
22	Methylene Chloride	84	3.379	3.379	(0.601)	1050671	200.000	164.526
23	t-Butanol	59	3.514	3.514	(0.625)	1956114	5000.00	5423.69
25	Methyl-t-butyl-ether	73	3.646	3.646	(0.648)	2550103	200.000	188.041

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
26 trans-1,2-Dichloroethene	96	3.636	3.636	(0.647)	994925	200.000	164.223
27 Acrylonitrile	53	3.614	3.614	(0.643)	3283396	2000.00	1791.30
30 1,1-Dichloroethane (**)	63	4.019	4.019	(0.715)	1706595	200.000	173.282
33 2,2-Dichloropropane	77	4.536	4.536	(0.807)	923747	200.000	179.074
35 cis 1,2-Dichloroethene	96	4.536	4.536	(0.807)	1106691	200.000	174.482
38 2-Butanone	43	4.553	4.553	(0.810)	386542	200.000	203.990
40 Bromochloromethane	128	4.742	4.742	(0.843)	536261	200.000	175.562
41 Chloroform (*)	83	4.816	4.816	(0.856)	1634786	200.000	173.188
42 1,1,1-Trichloroethane	97	4.974	4.974	(0.885)	1352110	200.000	176.778
43 Carbon Tetrachloride	117	5.122	5.122	(0.911)	1246952	200.000	176.512
44 1,1-Dichloropropene	75	5.118	5.118	(0.910)	1242443	200.000	190.106
47 Benzene	78	5.298	5.298	(0.942)	3810146	200.000	183.394
48 1,2-Dichloroethane	62	5.311	5.311	(0.945)	1086796	200.000	182.629
49 Trichloroethene	95	5.852	5.852	(1.041)	943178	200.000	192.909
51 1,2-Dichloropropane(*)	63	6.048	6.048	(1.075)	898408	200.000	195.458
52 Dibromomethane	93	6.147	6.147	(1.093)	496364	200.000	189.822
53 1,4-Dioxane	88	6.163	6.163	(1.096)	187058	5000.00	4934.40
54 Bromodichloromethane	83	6.282	6.282	(1.117)	1152642	200.000	203.698
55 2-Chloroethyl vinyl ether	63	6.543	6.543	(1.164)	295510	200.000	268.914
56 cis-1,3-Dichloropropene (xtr)	75	6.675	6.675	(1.187)	1288713	200.000	242.742
57 4-Methyl-2-pentanone	43	6.810	6.810	(1.211)	801244	200.000	232.952
58 Toluene (*)	92	6.974	6.974	(1.240)	2217855	200.000	199.964
60 trans-1,3-Dichloropropene(xt)	75	7.163	7.163	(1.274)	937396	200.000	247.124
61 1,1,2-Trichloroethane	97	7.331	7.331	(1.304)	633542	200.000	198.909
62 Tetrachloroethene	166	7.466	7.466	(0.908)	979285	200.000	199.195
63 1,3-Dichloropropane	76	7.482	7.482	(0.910)	1059904	200.000	212.604
64 2-Hexanone	43	7.552	7.552	(0.919)	414774	200.000	236.503
65 Dibromochloromethane	129	7.687	7.687	(0.935)	782170	200.000	218.404
66 1,2-Dibromoethane	107	7.797	7.797	(0.948)	611503	200.000	214.895
67 1-Chlorohexane	91	8.221	8.221	(1.000)	1043850	200.000	213.893
68 Chlorobenzene (**)	112	8.247	8.247	(1.003)	2296318	200.000	196.493
69 Ethylbenzene (*)	106	8.350	8.350	(1.016)	1302053	200.000	200.408
70 1,1,1,2-Tetrachloroethane	131	8.321	8.321	(1.012)	956483	200.000	197.694
71 Xylenes (m,p)	106	8.456	8.456	(1.029)	3190433	400.000	391.735
72 Xylene (o)	106	8.832	8.832	(1.074)	1661550	200.000	199.665
73 Styrene	104	8.842	8.842	(1.075)	2579708	200.000	210.220
74 Bromoform (**)	173	9.019	9.019	(1.097)	513613	200.000	220.564
75 Isopropylbenzene	105	9.183	9.183	(1.117)	4311920	200.000	208.872
77 Bromobenzene	156	9.475	9.475	(0.907)	1053281	200.000	215.926
78 1,1,2,2-Tetrachloroethane(**)	83	9.462	9.462	(0.906)	910369	200.000	209.918
79 N-Propylbenzene	91	9.575	9.575	(0.916)	5230216	200.000	219.498
80 1,2,3-Trichloropropane	110	9.507	9.507	(0.910)	283378	200.000	213.254
81 2-Chlorotoluene	91	9.662	9.662	(0.925)	2994703	200.000	211.333
82 1,3,5-Trimethylbenzene	105	9.745	9.745	(0.933)	3819244	200.000	220.374
83 4-Chlorotoluene	91	9.765	9.765	(0.934)	3312217	200.000	211.570
84 T-Butylbenzene	119	10.064	10.064	(0.963)	3591876	200.000	235.529
85 1,2,4-Trimethylbenzene	105	10.112	10.112	(0.968)	3873729	200.000	213.254
86 Sec-Butylbenzene	105	10.279	10.279	(0.984)	5247435	200.000	217.492
87 1,3-Dichlorobenzene	146	10.385	10.385	(0.994)	2186053	200.000	201.427
88 P-Isopropyltoluene	119	10.420	10.420	(0.997)	4467970	200.000	213.026
89 1,4-Dichlorobenzene	146	10.472	10.472	(1.002)	2185630	200.000	197.790
90 N-Butylbenzene	91	10.822	10.822	(1.036)	3959363	200.000	206.297
91 1,2-Dichlorobenzene	146	10.838	10.838	(1.037)	2077222	200.000	192.860
92 1,2-Dibromo-3-chloropropane	75	11.607	11.607	(1.111)	157228	200.000	213.530

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
93	1,2,4-Trichlorobenzene	180	12.430	12.430	(1.190)	1475342	200.000	207.664
94	Hexachlorobutadiene	225	12.604	12.604	(1.206)	908547	200.000	191.302
95	Naphthalene	128	12.678	12.678	(1.213)	3378158	200.000	236.664
96	1,2,3-Trichlorobenzene	180	12.916	12.916	(1.236)	1362488	200.000	202.221
M 97	1,2-Dichloroethene (Total)	96				2101616	400.000	338.705
M 98	Xylenes (Total)	106				4851983	600.000	591.400

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: HSL111707.D
Lab Smp Id: HSL 200
Analysis Type: VOA
Quant Type: ISTD
Operator: CG
Method File: \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Misc Info: 2;SOIL;0;1_8260.sub;;0;;5.00

Calibration Date: 17-NOV-2010
Calibration Time: 17:13
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	682444	341222	1364888	817502	19.79
2 Chlorobenzene-d5	526668	263334	1053336	622934	18.28
3 1,4 Dichlorobenze	348511	174256	697022	387868	11.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.62	5.12	6.12	5.62	0.00
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	0.03

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: \\QSACCA01\chem\HP11.i\111710.B\HSL111707.D

Page 5

Date : 17-NOV-2010 15:58

Client ID:

Instrument: HP11.i

Sample Info: HSL_200;CG ;1;;7;;;5.00

Operator: CG

Column phase:

Column diameter: 0.53

TestAmerica

VOLATILE REPORT low level 8260

Data file : \\QSACCA01\chem\HP11.i\111710.B\HSL111708.D
Lab Smp Id: HSL_400
Inj Date : 17-NOV-2010 16:23
Operator : CG Inst ID: HP11.i
Smp Info : HSL_400;CG ;1;;8;;;5.00
Misc Info : 2;SOIL;0;1_8260.sub;;0;;5.00
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\qsacca01\chem\HP11.i\111710.B\8260S.m
Meth Date : 17-Nov-2010 16:46 gainesc Quant Type: ISTD
Cal Date : 17-NOV-2010 16:23 Cal File: HSL111708.D
Als bottle: 11 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	857129	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	664102	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.449	10.449	(1.000)	385618	50.0000	
$ 4	Dibromofluoromethane	111	4.954	4.954	(0.881)	1804187	400.000	323.280
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	1712755	400.000	334.644
$ 6	Toluene-d8	98	6.916	6.916	(1.229)	6151697	400.000	380.420
$ 7	4-Bromofluorobenzene	95	9.330	9.330	(1.135)	2305573	400.000	361.686
8	Dichlorodifluoromethane	85	1.395	1.395	(0.248)	2226241	400.000	325.550
9	Chloromethane (**)	50	1.549	1.549	(0.275)	2414321	400.000	324.159
10	Vinyl Chloride (*)	62	1.675	1.675	(0.298)	2297670	400.000	330.354
11	Bromomethane	94	1.990	1.990	(0.354)	787794	400.000	244.219
12	Chloroethane	64	2.096	2.096	(0.373)	1033658	400.000	256.477
13	Trichlorofluoromethane	101	2.379	2.379	(0.423)	2922079	400.000	326.413
15	Trichlorotrifluoroethane	101	2.926	2.926	(0.520)	1871071	400.000	323.215
17	1,1-Dichloroethene(*)	96	2.900	2.900	(0.515)	1767509	400.000	334.368
18	Acetone	43	2.971	2.971	(0.528)	470849	400.000	321.791
21	Carbon disulfide	76	3.096	3.096	(0.550)	6360593	400.000	349.784
31	Vinyl acetate	43	4.077	4.077	(0.725)	3457118	400.000	441.942(A)
22	Methylene Chloride	84	3.376	3.376	(0.600)	2081775	400.000	319.821
23	t-Butanol	59	3.527	3.527	(0.627)	3618475	10000.0	9620.88
25	Methyl-t-butyl-ether	73	3.646	3.646	(0.648)	5086804	400.000	362.539

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
26	trans-1,2-Dichloroethene	96	3.633	3.633	(0.646)	1900412	400.000	308.913
27	Acrylonitrile	53	3.620	3.620	(0.643)	6231072	4000.00	3320.92
30	1,1-Dichloroethane (**)	63	4.019	4.019	(0.714)	3455757	400.000	341.640
33	2,2-Dichloropropane	77	4.536	4.536	(0.806)	1777379	400.000	336.124
35	cis 1,2-Dichloroethene	96	4.536	4.536	(0.806)	2185302	400.000	336.107
36	2-Butanone	43	4.556	4.556	(0.810)	775322	400.000	391.439
40	Bromochloromethane	128	4.742	4.742	(0.843)	1069454	400.000	340.972
41	Chloroform (*)	83	4.816	4.816	(0.856)	3286047	400.000	339.233
42	1,1,1-Trichloroethane	97	4.977	4.977	(0.885)	2655777	400.000	338.450
43	Carbon Tetrachloride	117	5.118	5.118	(0.910)	2399039	400.000	331.786
44	1,1-Dichloropropene	75	5.118	5.118	(0.910)	2429606	400.000	359.674
47	Benzene	78	5.298	5.298	(0.942)	7617679	400.000	355.294
48	1,2-Dichloroethane	62	5.311	5.311	(0.944)	2205538	400.000	358.706
49	Trichloroethene	95	5.851	5.851	(1.040)	1875917	400.000	369.880
51	1,2-Dichloropropane(*)	63	6.048	6.048	(1.075)	1869371	400.000	389.371
52	Dibromomethane	93	6.147	6.147	(1.093)	1019567	400.000	375.178
53	1,4-Dioxane	88	6.167	6.167	(1.096)	340374	10000.0	8720.18
54	Bromodichloromethane	83	6.282	6.282	(1.117)	2399282	400.000	403.849(A)
55	2-Chloroethyl vinyl ether	63	6.546	6.546	(1.163)	724350	400.000	399.620
56	cis-1,3-Dichloropropene (xtr)	75	6.675	6.675	(1.186)	2849253	400.000	481.975(A)
57	4-Methyl-2-pentanone	43	6.813	6.813	(1.211)	1629125	400.000	399.631
58	Toluene (*)	92	6.974	6.974	(1.239)	4550658	400.000	392.387
60	trans-1,3-Dichloropropene(xt)	75	7.163	7.163	(1.273)	2182197	400.000	506.918(A)
61	1,1,2-Trichloroethane	97	7.331	7.331	(1.303)	1362297	400.000	406.927(A)
62	Tetrachloroethene	166	7.466	7.466	(0.908)	1946882	400.000	374.805
63	1,3-Dichloropropane	76	7.485	7.485	(0.910)	2347638	400.000	436.031(A)
64	2-Hexanone	43	7.556	7.556	(0.919)	924771	400.000	480.410(A)
65	Dibromochloromethane	129	7.687	7.687	(0.935)	1690391	400.000	436.909(A)
66	1,2-Dibromoethane	107	7.800	7.800	(0.949)	1343370	400.000	436.976(A)
67	1-Chlorohexane	91	8.224	8.224	(1.000)	2234628	400.000	425.583(A)
68	Chlorobenzene (**)	112	8.250	8.250	(1.004)	4800577	400.000	387.092
69	Ethylbenzene (*)	106	8.353	8.353	(1.016)	2613137	400.000	379.972
70	1,1,1,2-Tetrachloroethane	131	8.324	8.324	(1.013)	1907320	400.000	373.308
71	Xylenes (m,p)	106	8.459	8.459	(1.029)	6208485	800.000	724.668
72	Xylene (o)	106	8.832	8.832	(1.074)	3194078	400.000	364.585
73	Styrene	104	8.845	8.845	(1.076)	5238041	400.000	400.339(A)
74	Bromoform (**)	173	9.019	9.019	(1.097)	1090932	400.000	434.093(A)
75	Isopropylbenzene	105	9.183	9.183	(1.117)	8377947	400.000	382.988
77	Bromobenzene	156	9.475	9.475	(0.907)	2138103	400.000	435.315(A)
78	1,1,2,2-Tetrachloroethane(**)	83	9.466	9.466	(0.906)	1803838	400.000	415.979(A)
79	N-Propylbenzene	91	9.578	9.578	(0.917)	10170178	400.000	425.410(A)
80	1,2,3-Trichloropropane	110	9.507	9.507	(0.910)	563901	400.000	423.286(A)
81	2-Chlorotoluene	91	9.665	9.665	(0.925)	5826090	400.000	411.798(A)
82	1,3,5-Trimethylbenzene	105	9.748	9.748	(0.933)	7195627	400.000	399.045
83	4-Chlorotoluene	91	9.768	9.768	(0.935)	6530127	400.000	417.002(A)
84	T-Butylbenzene	119	10.067	10.067	(0.963)	6735631	400.000	399.981
85	1,2,4-Trimethylbenzene	105	10.112	10.112	(0.968)	7332660	400.000	405.264(A)
86	Sec-Butylbenzene	105	10.282	10.282	(0.984)	9825276	400.000	392.549
87	1,3-Dichlorobenzene	146	10.388	10.388	(0.994)	4122736	400.000	384.243
88	P-Isopropyltoluene	119	10.424	10.424	(0.998)	8275896	400.000	382.176
89	1,4-Dichlorobenzene	146	10.475	10.475	(1.002)	4094179	400.000	375.878
90	N-Butylbenzene	91	10.826	10.826	(1.036)	7280025	400.000	383.743
91	1,2-Dichlorobenzene	146	10.842	10.842	(1.038)	3824338	400.000	361.992
92	1,2-Dibromo-3-chloropropane	75	11.607	11.607	(1.111)	293752	400.000	401.110(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	ON-COL (ug/KG)
	93 1,2,4-Trichlorobenzene	180	12.433	12.433	(1.190)	2624587	400.000	374.913
	94 Hexachlorobutadiene	225	12.604	12.604	(1.206)	1664833	400.000	357.891
	95 Naphthalene	128	12.678	12.678	(1.213)	5955113	400.000	398.721
	96 1,2,3-Trichlorobenzene	180	12.919	12.919	(1.236)	2414637	400.000	364.981
M	97 1,2-Dichloroethene (Total)	96				4085714	800.000	645.020
M	98 Xylenes (Total)	106				9402563	1200.00	1089.25

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: HSL111708.D
Lab Smp Id: HSL 400
Analysis Type: VOA
Quant Type: ISTD
Operator: CG
Method File: \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Misc Info: 2;SOIL;0;1_8260.sub;;0;;5.00

Calibration Date: 17-NOV-2010
Calibration Time: 17:13
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	682444	341222	1364888	857129	25.60
2 Chlorobenzene-d5	526668	263334	1053336	664102	26.09
3 1,4 Dichlorobenze	348511	174256	697022	385618	10.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.62	5.12	6.12	5.63	0.06
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	0.03

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: \\QSACCA01\chem\HP11.i\111710.B\HSL111708.D

Date : 17-NOV-2010 16:23

Client ID:

Sample Info: HSL_400;CG ;1;;8;;;5.00

Column phase:

Instrument: HP11.i

Operator: CG

Column diameter: 0.53

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP11.i Injection Date: 17-NOV-2010 17:13
Lab File ID: ICV1117.D Init. Cal. Date(s): 17-NOV-2010 17-NOV-2010
Analysis Type: SOIL Init. Cal. Times: 13:30 16:23
Lab Sample ID: HSL 40 Quant Type: ISTD
Method: \\QSACCA01\chem\HP11.i\111710.B\8260S.M

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.32556	0.31617	0.31617	0.010	-2.88379	40.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.28682	0.27522	0.27522	0.010	-4.04633	40.00000	Averaged
$ 6 Toluene-d8	0.94331	0.96378	0.96378	0.010	2.16920	40.00000	Averaged
$ 7 4-Bromofluorobenzene	0.45901	0.45050	0.45050	0.010	-1.85377	40.00000	Averaged
8 Dichlorodifluoromethane	0.39891	0.39997	0.39997	0.010	0.26524	40.00000	Averaged
9 Chloromethane (**)	0.43447	0.41655	0.41655	0.100	-4.12439	40.00000	Averaged
10 Vinyl Chloride (*)	0.40572	0.36408	0.36408	0.010	-10.26335	20.00000	Averaged
11 Bromomethane	0.20932	0.19429	0.19429	0.010	-7.18373	40.00000	Averaged
12 Chloroethane	0.24715	0.23136	0.23136	0.010	-6.38781	40.00000	Averaged
13 Trichlorofluoromethane	0.52221	0.46272	0.46272	0.010	-11.39352	40.00000	Averaged
15 Trichlorotrifluoroethane	0.33769	0.30988	0.30988	0.010	-8.23586	40.00000	Averaged
17 1,1-Dichloroethene(*)	0.30836	0.29112	0.29112	0.010	-5.59297	20.00000	Averaged
18 Acetone	0.08068	0.08389	0.08389	0.010	3.97453	40.00000	Averaged
21 Carbon disulfide	1.06077	1.00224	1.00224	0.010	-5.51806	40.00000	Averaged
31 Vinyl acetate	0.45632	0.50671	0.50671	0.010	11.04228	40.00000	Averaged
22 Methylene Chloride	0.37971	0.36100	0.36100	0.010	-4.92630	40.00000	Averaged
23 t-Butanol	0.02255	0.02173	0.02173	0.001	-3.64389	40.00000	Averaged
25 Methyl-t-butyl-ether	0.81849	0.84960	0.84960	0.010	3.80093	40.00000	Averaged
26 trans-1,2-Dichloroethene	0.35887	0.33776	0.33776	0.010	-5.88067	40.00000	Averaged
27 Acrylonitrile	0.10945	0.10771	0.10771	0.010	-1.59359	40.00000	Averaged
30 1,1-Dichloroethane (**)	0.59006	0.57880	0.57880	0.100	-1.90866	40.00000	Averaged
33 2,2-Dichloropropane	0.30846	0.32636	0.32636	0.010	5.80076	40.00000	Averaged
35 cis 1,2-Dichloroethene	0.37928	0.38511	0.38511	0.010	1.53725	40.00000	Averaged
38 2-Butanone	0.11554	0.11219	0.11219	0.010	-2.90327	40.00000	Averaged
40 Bromochloromethane	0.18296	0.18037	0.18037	0.010	-1.42065	40.00000	Averaged
41 Chloroform (*)	0.56507	0.55762	0.55762	0.010	-1.31734	20.00000	Averaged
42 1,1,1-Trichloroethane	0.45774	0.44731	0.44731	0.010	-2.27876	40.00000	Averaged
43 Carbon Tetrachloride	0.42180	0.39837	0.39837	0.010	-5.55418	40.00000	Averaged
44 1,1-Dichloropropene	0.39405	0.38185	0.38185	0.010	-3.09709	40.00000	Averaged
47 Benzene	1.25072	1.22771	1.22771	0.010	-1.83911	40.00000	Averaged
48 1,2-Dichloroethane	0.35867	0.34807	0.34807	0.010	-2.95555	40.00000	Averaged
49 Trichloroethene	0.29585	0.27964	0.27964	0.010	-5.48172	40.00000	Averaged
51 1,2-Dichloropropane(*)	0.28006	0.28379	0.28379	0.010	1.32984	20.00000	Averaged
52 Dibromomethane	0.15853	0.15444	0.15444	0.010	-2.57981	40.00000	Averaged
53 1,4-Dioxane	0.00228	0.00241	0.00241	0.000	5.68366	40.00000	Averaged
54 Bromodichloromethane	0.34657	0.34466	0.34466	0.010	-0.55092	40.00000	Averaged
55 2-Chloroethyl vinyl ether	40.00000	36.74552	0.06655	0.001	-8.13620	40.00000	Quadratic
56 cis-1,3-Dichloropropene (xt	40.00000	36.73041	0.32665	0.010	-8.17396	40.00000	Quadratic
57 4-Methyl-2-pentanone	40.00000	35.97664	0.22306	0.010	-10.05839	40.00000	Quadratic
58 Toluene (*)	0.67652	0.65533	0.65533	0.010	-3.13214	20.00000	Averaged
60 trans-1,3-Dichloropropene(x	40.00000	37.77710	0.23907	0.010	-5.55724	40.00000	Quadratic
61 1,1,2-Trichloroethane	0.19529	0.18801	0.18801	0.010	-3.72885	40.00000	Averaged

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP11.i Injection Date: 17-NOV-2010 17:13
Lab File ID: ICV1117.D Init. Cal. Date(s): 17-NOV-2010 17-NOV-2010
Analysis Type: SOIL Init. Cal. Times: 13:30 16:23
Lab Sample ID: HSL 40 Quant Type: ISTD
Method: \\QSACCA01\chem\HP11.i\111710.B\8260S.M

COMPOUND	RRF / AMOUNT	RF40	CCAL RRF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
62 Tetrachloroethene	0.39108	0.37568	0.37568	0.010	-3.93833	40.00000	Averaged
63 1,3-Dichloropropane	0.40537	0.39166	0.39166	0.010	-3.38216	40.00000	Averaged
64 2-Hexanone	0.14493	0.14583	0.14583	0.010	0.61821	40.00000	Averaged
65 Dibromochloromethane	0.29129	0.29160	0.29160	0.010	0.10512	40.00000	Averaged
66 1,2-Dibromoethane	0.23146	0.22613	0.22613	0.010	-2.30377	40.00000	Averaged
67 1-Chlorohexane	0.39172	0.31374	0.31374	0.010	-19.90590	40.00000	Averaged
68 Chlorobenzene (**)	0.93372	0.87075	0.87075	0.300	-6.74309	40.00000	Averaged
69 Ethylbenzene (*)	0.51778	0.49821	0.49821	0.010	-3.77913	20.00000	Averaged
70 1,1,1,2-Tetrachloroethane	0.38467	0.37986	0.37986	0.010	-1.24998	40.00000	Averaged
71 Xylenes (m,p)	0.64503	0.62456	0.62456	0.010	-3.17461	40.00000	Averaged
72 Xylene (o)	0.65960	0.66024	0.66024	0.010	0.09706	40.00000	Averaged
73 Styrene	0.98509	0.96556	0.96556	0.010	-1.98274	40.00000	Averaged
74 Bromoform (**)	0.18921	0.18161	0.18161	0.100	-4.01735	40.00000	Averaged
75 Isopropylbenzene	1.64698	1.79511	1.79511	0.010	8.99435	40.00000	Averaged
77 Bromobenzene	0.63685	0.61117	0.61117	0.010	-4.03184	40.00000	Averaged
78 1,1,2,2-Tetrachloroethane(*	0.56226	0.55507	0.55507	0.300	-1.27962	40.00000	Averaged
79 N-Propylbenzene	3.09980	3.14894	3.14894	0.010	1.58539	40.00000	Averaged
80 1,2,3-Trichloropropane	0.17274	0.16896	0.16896	0.010	-2.18348	40.00000	Averaged
81 2-Chlorotoluene	1.83445	1.80249	1.80249	0.010	-1.74203	40.00000	Averaged
82 1,3,5-Trimethylbenzene	2.33808	2.36432	2.36432	0.010	1.12211	40.00000	Averaged
83 4-Chlorotoluene	2.03047	1.96758	1.96758	0.010	-3.09733	40.00000	Averaged
84 T-Butylbenzene	40.00000	37.06394	2.14913	0.010	-7.34015	40.00000	Quadratic
85 1,2,4-Trimethylbenzene	2.34604	2.37711	2.37711	0.010	1.32414	40.00000	Averaged
86 Sec-Butylbenzene	3.24536	3.27736	3.27736	0.010	0.98583	40.00000	Averaged
87 1,3-Dichlorobenzene	1.39121	1.34184	1.34184	0.010	-3.54833	40.00000	Averaged
88 P-Isopropyltoluene	2.80779	2.87805	2.87805	0.010	2.50260	40.00000	Averaged
89 1,4-Dichlorobenzene	1.41232	1.34548	1.34548	0.010	-4.73235	40.00000	Averaged
90 N-Butylbenzene	2.45983	2.65285	2.65285	0.010	7.84676	40.00000	Averaged
91 1,2-Dichlorobenzene	1.36984	1.32417	1.32417	0.010	-3.33384	40.00000	Averaged
92 1,2-Dibromo-3-chloropropane	0.09496	0.09304	0.09304	0.001	-2.01457	40.00000	Averaged
93 1,2,4-Trichlorobenzene	0.90770	0.96508	0.96508	0.010	6.32180	40.00000	Averaged
94 Hexachlorobutadiene	0.60316	0.57747	0.57747	0.010	-4.25983	40.00000	Averaged
95 Naphthalene	40.00000	33.27161	1.96677	0.010	-16.82096	40.00000	Quadratic
96 1,2,3-Trichlorobenzene	0.85782	0.86013	0.86013	0.010	0.26959	40.00000	Averaged
M 97 1,2-Dichloroethene (Total)	0.36907	0.36144	0.36144	0.010	-2.06916	40.00000	Averaged
M 98 Xylenes (Total)	0.64989	0.63645	0.63645	0.010	-2.06775	40.00000	Averaged

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP11.i Injection Date: 17-NOV-2010 17:13
Lab File ID: ICV1117.D Init. Cal. Date(s): 17-NOV-2010 17-NOV-2010
Analysis Type: SOIL Init. Cal. Times: 13:30 16:23
Lab Sample ID: HSL 40 Quant Type: ISTD
Method: \\QSACCA01\chem\HP11.i\111710.B\8260S.M

Average %D / Drift Results.	
Calculated Average %D/Drift =	4.23816
Maximun Average %D/Drift =	15.00000
* Passed Average %D/Drift Test.	

TestAmerica

VOLATILE REPORT low level 8260

Data file : \\QSACCA01\chem\HP11.i\111710.B\ICV1117.D
Lab Smp Id: HSL_40
Inj Date : 17-NOV-2010 17:13
Operator : CG Inst ID: HP11.i
Smp Info : HSL_40;CG ;2;;6;;;5.00
Misc Info : 2;SOIL;0;1_8260.sub;;0;;5.00
Comment : SOP NO. SAC-MS-0007 rev. 2.0
Method : \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Meth Date : 18-Nov-2010 09:57 gainesc Quant Type: ISTD
Cal Date : 17-NOV-2010 16:23 Cal File: HSL111708.D
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * x*Uf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
x	5.000	Method Volume Purge
Uf	1.000	ng correction factor
Ws	5.000	Sample Weight
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
* 1	1,4-Difluorobenzene	114	5.626	5.626	(1.000)	732119	50.0000	
* 2	Chlorobenzene-d5	117	8.221	8.221	(1.000)	561467	50.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.446	10.446	(1.000)	361305	50.0000	
$ 4	Dibromofluoromethane	111	4.954	4.954	(0.881)	462946	100.000	97.1162
$ 5	1,2-Dichloroethane-d4	65	5.247	5.247	(0.933)	402983	100.000	95.9537
$ 6	Toluene-d8	98	6.912	6.912	(1.229)	1411196	100.000	102.169
$ 7	4-Bromofluorobenzene	95	9.327	9.327	(1.135)	505887	100.000	98.1462
8	Dichlorodifluoromethane	85	1.398	1.398	(0.249)	234261	40.0000	40.1061
9	Chloromethane (**)	50	1.556	1.556	(0.277)	243972	40.0000	38.3502
10	Vinyl Chloride (*)	62	1.671	1.671	(0.297)	213242	40.0000	35.8947
11	Bromomethane	94	2.009	2.009	(0.357)	113793	40.0000	37.1265
12	Chloroethane	64	2.128	2.128	(0.378)	135508	40.0000	37.4449
13	Trichlorofluoromethane	101	2.395	2.395	(0.426)	271010	40.0000	35.4426
15	Trichlorotrifluoroethane	101	2.935	2.935	(0.522)	181496	40.0000	36.7056
17	1,1-Dichloroethene(*)	96	2.906	2.906	(0.517)	170505	40.0000	37.7628
18	Acetone	43	2.970	2.970	(0.528)	49135	40.0000	41.5898
21	Carbon disulfide	76	3.105	3.105	(0.552)	587006	40.0000	37.7928
31	Vinyl acetate	43	4.077	4.077	(0.725)	296779	40.0000	44.4169
22	Methylene Chloride	84	3.382	3.382	(0.601)	211438	40.0000	38.0295
23	t-Butanol	59	3.507	3.507	(0.623)	318173	1000.00	963.561
25	Methyl-t-butyl-ether	73	3.646	3.646	(0.648)	497608	40.0000	41.5204

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
26 trans-1,2-Dichloroethene	96	3.636	3.636	(0.646)	197827	40.0000	37.6477
27 Acrylonitrile	53	3.614	3.614	(0.642)	630845	400.000	393.626
30 1,1-Dichloroethane (**)	63	4.022	4.022	(0.715)	339001	40.0000	39.2365
33 2,2-Dichloropropane	77	4.540	4.540	(0.807)	191146	40.0000	42.3203
35 cis 1,2-Dichloroethene	96	4.536	4.536	(0.806)	225556	40.0000	40.6149
38 2-Butanone	43	4.556	4.556	(0.810)	65708	40.0000	38.8387
40 Bromochloromethane	128	4.749	4.749	(0.844)	105639	40.0000	39.4317
41 Chloroform (*)	83	4.819	4.819	(0.857)	326597	40.0000	39.4731
42 1,1,1-Trichloroethane	97	4.974	4.974	(0.884)	261988	40.0000	39.0885
43 Carbon Tetrachloride	117	5.118	5.118	(0.910)	233323	40.0000	37.7783
44 1,1-Dichloropropene	75	5.118	5.118	(0.910)	223645	40.0000	38.7612
47 Benzene	78	5.298	5.298	(0.942)	719066	40.0000	39.2644
48 1,2-Dichloroethane	62	5.311	5.311	(0.944)	203865	40.0000	38.8178
49 Trichloroethene	95	5.851	5.851	(1.040)	163781	40.0000	37.8073
51 1,2-Dichloropropane(*)	63	6.047	6.047	(1.075)	166213	40.0000	40.5319
52 Dibromomethane	93	6.147	6.147	(1.093)	90453	40.0000	38.9681
53 1,4-Dioxane	88	6.163	6.163	(1.095)	35235	1000.00	1056.84
54 Bromodichloromethane	83	6.282	6.282	(1.117)	201864	40.0000	39.7796
55 2-Chloroethyl vinyl ether	63	6.539	6.539	(1.162)	38976	40.0000	36.7455
56 cis-1,3-Dichloropropene (xtr)	75	6.674	6.674	(1.186)	191318	40.0000	36.7304
57 4-Methyl-2-pentanone	43	6.810	6.810	(1.210)	130645	40.0000	35.9766
58 Toluene (*)	92	6.970	6.970	(1.239)	383826	40.0000	38.7471
60 trans-1,3-Dichloropropene(xt)	75	7.163	7.163	(1.273)	140025	40.0000	37.7771
61 1,1,2-Trichloroethane	97	7.330	7.330	(1.303)	110115	40.0000	38.5084
62 Tetrachloroethene	166	7.462	7.462	(0.908)	168746	40.0000	38.4247
63 1,3-Dichloropropane	76	7.482	7.482	(0.910)	175922	40.0000	38.6471
64 2-Hexanone	43	7.555	7.555	(0.919)	65501	40.0000	40.2473
65 Dibromochloromethane	129	7.691	7.691	(0.935)	130979	40.0000	40.0420
66 1,2-Dibromoethane	107	7.797	7.797	(0.948)	101570	40.0000	39.0785
67 1-Chlorohexane	91	8.221	8.221	(1.000)	140924	40.0000	32.0376
68 Chlorobenzene (**)	112	8.247	8.247	(1.003)	391120	40.0000	37.3028
69 Ethylbenzene (*)	106	8.346	8.346	(1.015)	223784	40.0000	38.4883
70 1,1,1,2-Tetrachloroethane	131	8.321	8.321	(1.012)	170625	40.0000	39.5000
71 Xylenes (m,p)	106	8.456	8.456	(1.029)	561068	80.0000	77.4603
72 Xylene (o)	106	8.829	8.829	(1.074)	296563	40.0000	40.0388
73 Styrene	104	8.842	8.842	(1.075)	433704	40.0000	39.2069
74 Bromoform (**)	173	9.018	9.018	(1.097)	81575	40.0000	38.3931
75 Isopropylbenzene	105	9.179	9.179	(1.117)	806317	40.0000	43.5977
77 Bromobenzene	156	9.475	9.475	(0.907)	176656	40.0000	38.3873
78 1,1,2,2-Tetrachloroethane(**)	83	9.462	9.462	(0.906)	160439	40.0000	39.4882
79 N-Propylbenzene	91	9.575	9.575	(0.917)	910183	40.0000	40.6342
80 1,2,3-Trichloropropane	110	9.507	9.507	(0.910)	48838	40.0000	39.1266
81 2-Chlorotoluene	91	9.658	9.658	(0.925)	521000	40.0000	39.3032
82 1,3,5-Trimethylbenzene	105	9.745	9.745	(0.933)	683392	40.0000	40.4488
83 4-Chlorotoluene	91	9.764	9.764	(0.935)	568716	40.0000	38.7611
84 T-Butylbenzene	119	10.060	10.060	(0.963)	621193	40.0000	37.0639
85 1,2,4-Trimethylbenzene	105	10.108	10.108	(0.968)	687089	40.0000	40.5296
86 Sec-Butylbenzene	105	10.276	10.276	(0.984)	947300	40.0000	40.3943
87 1,3-Dichlorobenzene	146	10.385	10.385	(0.994)	387852	40.0000	38.5807
88 P-Isopropyltoluene	119	10.417	10.417	(0.997)	831884	40.0000	41.0010
89 1,4-Dichlorobenzene	146	10.472	10.472	(1.002)	388904	40.0000	38.1071
90 N-Butylbenzene	91	10.822	10.822	(1.036)	766789	40.0000	43.1387
91 1,2-Dichlorobenzene	146	10.838	10.838	(1.038)	382744	40.0000	38.6665
92 1,2-Dibromo-3-chloropropane	75	11.604	11.604	(1.111)	26894	40.0000	39.1942

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/KG)	AMOUNTS ON-COL (ug/KG)
	93 1,2,4-Trichlorobenzene	180	12.430	12.430	(1.190)	278952	40.0000	42.5287
	94 Hexachlorobutadiene	225	12.600	12.600	(1.206)	166913	40.0000	38.2961
	95 Naphthalene	128	12.677	12.677	(1.214)	568483	40.0000	33.2716
	96 1,2,3-Trichlorobenzene	180	12.915	12.915	(1.236)	248615	40.0000	40.1078
M	97 1,2-Dichloroethene (Total)	96				423383	80.0000	78.2626
M	98 Xylenes (Total)	106				857631	120.000	117.499

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP11.i
Lab File ID: ICV1117.D
Lab Smp Id: HSL_40
Analysis Type: VOA
Quant Type: ISTD
Operator: CG
Method File: \\QSACCA01\chem\HP11.i\111710.B\8260S.M
Misc Info: 2;SOIL;0;1_8260.sub;;0;;5.00

Calibration Date: 18-NOV-2010
Calibration Time: 09:00

Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	682444	341222	1364888	732119	7.28
2 Chlorobenzene-d5	526668	263334	1053336	561467	6.61
3 1,4 Dichlorobenze	348511	174256	697022	361305	3.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.62	5.12	6.12	5.63	0.06
2 Chlorobenzene-d5	8.22	7.72	8.72	8.22	0.00
3 1,4 Dichlorobenze	10.45	9.95	10.95	10.45	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: \\QSACCA01\chem\HP11.i\111710.B\ICV1117.D

Date : 17-NOV-2010 17:13

Client ID:

Sample Info: HSL_40;CG ;2;;6;;;5.00

Column phase:

Instrument: HP11.i

Operator: CG

Column diameter: 0.63

Manual Integration Record - Method 8260B

Instrument : HP11 Lot # G0K200425

Compound Name	Analysis date: 11/17/2010									Analysis date:11/20/10			Analysis date: 11/20/10	
	ICAL									CCAL - Prep QC			Samples	
	1	2	3	4	5	6	7	8	ICV	CCV	MB	LCS	8MS	8MSD
Acetone										X		X		

Clouseau Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **07-0116988**
NCM Initiated By: Laura Belden
Date Opened: 11/21/2010
Date Closed: 11/21/2010

Classification: **Observation**
Status: **CLOSED**
Production Area: Volatiles
Tests: 8260B
Lot #'s (Sample #'s): G0K200425 (1,10,11,12,2,3,4,5,6,7,8,9), G0K210000 (62),
QC Batches: 0325062,

Nonconformance: Manual Integration
Subcategory: Manual Integration - QSM

Problem Description / Root Cause

Name	Date	Description
Laura Belden	11/21/2010	Manual integrations were performed only when necessary and are in compliance with the laboratory's standard operating procedure, Acceptable Manual Integration Practices, SOP No.: S-Q-004, including Addendum 1. Detailed information can be found in the Manual Integration Addendum section of this report.

Corrective Action

Name	Date	Corrective Action
Laura Belden	11/21/2010	

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note
	Response	Response Note			

Quality Assurance Verification

Verified By	Due Date	Status	Notes
		This section not yet completed by QA.	

Approval History

Date Approved	Approved By	Position
11/21/2010	Laura Belden	Chemist

Clouseau Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **07-0116989**
NCM Initiated By: Laura Belden
Date Opened: 11/21/2010
Date Closed:

Classification: **Deficiency**
Status: **GLREVIEW**
Production Area: Volatiles
Tests: 8260B
Lot #'s (Sample #'s): G0K200425 (1,10,11,12,2,3,4,5,6,7,8,9), G0K210000 (62),
QC Batches: 0325062,

Nonconformance: Internal standard exceeded criteria
Subcategory: Internal standards in samples <50% or >200%

Problem Description / Root Cause

Name	Date	Description
Laura Belden	11/21/2010	The internal standard (IS) responses for the following samples exceeded acceptance criteria of <50% of the ICAL IS response. Prior samples from this site confirm this is due to matrix effects, and not instrument drift. Samples G0K200425-1-4, and 7-11 had low responses for 1,4-Dichlorobenzene-d4. Samples G0K200425-5,6, and 12 had low responses for 1,4-Diflurobenzene, Chlorobenzen-d4 and 1,4-Dichlorobenzene-d4.

Corrective Action

Name	Date	Corrective Action
Laura Belden	11/21/2010	NA

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note
	Response	Response Note			

Quality Assurance Verification

Verified By	Due Date	Status	Notes
		This section not yet completed by QA.	

Approval History

Date Approved	Approved By	Position
11/21/2010	Laura Belden	Chemist

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8260 GAS ICAL Checklist

Instrument: Hp11

Matrix: Low Level Soils

ICAL Date: July 15, 2010

Std ID's: GAS071501 – GAS071508

Calibration Range: 50 to 10000 ug/Kg

Second Source (ICV): GAS0715

Initiated by/Date: July 15, 2010

Reviewer/Date: 7/20/10

NCM: None

I: Criteria

	Initiated	Reviewed
The RSD for the ICAL is less than 20%.	☑	☑
The Tune Documentation is present and meets criteria.	☑	☑
Window Defining Mix (WMD) present.	☐	☑
Calibration History Included.	☑	☑
New Standards Changed on the Logbook File.	☑	☑
Manual re-integrations are checked/initialed and hardcopies included.	☑	☑
Standards analyzed within 12 hours of Tune time.	☑	☑
Starting and Ending Quantitation windows correct.	☑	☑
Curve recipes are included.	☑	☑
Quadratic and/or Linear Regressions R >0.995 or R^2>0.990 and the y-intercept for the curve at zero response is less than $^{+}/_{-}$ $^{1}/_{2}$ the RL of the analyte.	☑	☐
The second source standard (LCS/LCSD) meets the ICVcriteria of <15%.	☑	☑

II: Gas Quantitation range Over 20% *(Write TPH range and %RSD)*

None

III: 2nd Source Gas Quantitation range Over 15% *(Write TPH range and %D)*

None

IV: Notes :

All ranges ICAL from 50ppb-10000ppb

TestAmerica West Sacramento
GC/MS VOA INSTRUMENT LOG

Page# 57 7/11/10

8260B / Gas

SOP : WS-MS-0007 Rev# 4.2

Standard ID's

BFB-50	10MSV0086	8260s-IS	10MSV0298	8260s-SURR	10MSV0301
TCLA	10MSV0274	TCLA SS	10MSV0275	TFT-SURR	10MSV0199
TCLB	10MSV0277	TCLB SS	10MSV0277		
Odd #1	10MSV0278	Odd #1 ss	10MSV0279	WDM	10MSV0012
Odd #2	10MSV0280	Odd #2 SS	10MSV0282	Gasoline (ps)	10MSV0295
VA	10MSV0210	VA SS	10MSV0211	Gasoline (ss)	10MSV0056
AP9A	10MSV0106	AP9A SS	10MSV0107		
AP9B	10MSV0112	AP9B SS	10MSV0113	Gasoline Stock	10MSV0294
ACRLN	10MSV0223	ACRLN SS	10MSV0224		

Inst ID : HP11.i
Batch ID : 071510.b
Matrix : SOIL
Level : LOW
Name/date: CJ 7/14/10

Gas Key: 1=CA-LUFT 2=8015-Mod(C6-C12)
3=AK101 4=NW-TPH
5=Other (C__-C__)

HSL ICAL# 7114/10 GAS ICAL# 7115/10 AP9 ICAL# NA

Batch# 8260B[ ] Gas[ ] 8260B[ ] Gas[ ] 8260B[ ] Gas[ ] 8260B[ ] Gas[ ] 8260B[ ] Gas[ ]

Lot(s)#

Lot(s)# ICAL ONLY

QC WO#

Date	Time	Optr	Sample ID	File ID	Vol or Wt	AS Posn	Vial #	pH <2	Comments
15-JUL-2010	09:34	RRT	WDM	WDM0715.D	5 g	51			✓
15-JUL-2010	09:59	LB	50ng BFB 1uL	BFB0715.D	0 mL	2			✓
15-JUL-2010	10:14	LB	COB	COB01.D	5 mL	1			
15-JUL-2010	10:39	RRT	GAS_50	GAS071501	5 g	2			
15-JUL-2010	11:04	RRT	GAS_100	GAS071502	5 g	3			
15-JUL-2010	11:29	RRT	GAS_500	GAS071503	5 g	4			
15-JUL-2010	11:54	RRT	GAS_1000	GAS071504	5 g	5			
15-JUL-2010	12:19	RRT	GAS_2500	GAS071505	5 g	6			ICAL
15-JUL-2010	12:44	RRT	GAS_5000	GAS071506	5 g	7			
15-JUL-2010	13:09	RRT	GAS_10000	GAS071507	5 g	8			
15-JUL-2010	13:34	RRT	GAS_250000	GAS071508	5 g	9			
15-JUL-2010	14:35	LB	COB	COB02.D	5 mL	10			
15-JUL-2010	15:00	LB	COB	COB03.D	5 mL	11			
15-JUL-2010	15:25	RRT	GAS_1000	GAS0715.D	5 g	12			

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 15-JUL-2010 10:39
End Cal Date : 15-JUL-2010 13:34
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Last Edit : 16-Jul-2010 13:35 HP11.i
Curve Type : Average

Calibration File Names:
Level 1: \\qsacca01\chem\HP11.i\071510.b\GAS071501.D
Level 2: \\qsacca01\chem\HP11.i\071510.b\GAS071502.D
Level 3: \\qsacca01\chem\HP11.i\071510.b\GAS071503.D
Level 4: \\qsacca01\chem\HP11.i\071510.b\GAS071504.D
Level 5: \\qsacca01\chem\HP11.i\071510.b\GAS071505.D
Level 6: \\qsacca01\chem\HP11.i\071510.b\GAS071506.D
Level 7: \\qsacca01\chem\HP11.i\071510.b\GAS071507.D
Level 8: \\qsacca01\chem\HP11.i\071510.b\GAS071508.D

✓ 7/19/10

Compound	50.000 Level 1	100.000 Level 2	500.000 Level 3	1000.000 Level 4	2500.000 Level 5	5000.000 Level 6	7500.000 Level 7	1.000e+04 Level 8	RRF	% RSD
1 Dibromofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 1,2-Dichloroethane-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 1,4-Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
S 147 8015B (GRO)	25083	25829	21500	21248	24539	27145	31383	+++++	25247	13.735
S 148 AK101	20004	20881	17199	16896	19667	21695	25391	+++++	20247	14.239
S 149 CALOFT	20527	20094	16956	17061	19775	22125	25797	+++++	20333	14.969
S 150 NWTPH-Gx	17880	17427	14795	15131	17549	19727	23148	+++++	17951	15.842
S 151 Gas C6-C12	24875	25521	21297	21210	24753	27504	31689	+++++	25264	14.358

Manual calculation for Gas C6-C10 @ Level 6:

$\frac{11130720}{5000} = 22261$

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 15-JUL-2010 10:39
End Cal Date : 15-JUL-2010 13:34
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Last Edit : 16-Jul-2010 13:35 HP11.i
Curve Type : Average

Compound	50.000 Level 1	100.000 Level 2	500.000 Level 3	1000.000 Level 4	2500.000 Level 5	5000.000 Level 6	RRF	% RSD
	7500.000 Level 7	1.000e+04 Level 8						
S 152 GAS C6-C10	20506	21376	17621	17321	20162	22261		
	26024	+++++					20753	14.246
5 Toluene-d8	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++
6 Chlorobenzene-d5	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++
7 4-Bromofluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++
8 1,4-Dichlorobenzene-d4	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++

Gasoline 5g/10ml Soil Curve

Sample Name	Stock Conc. (ug/ml)		uL spiked		H2O Purge Volume (ml)	Purged Sample Size (g)	Final Conc. (ug/Kg)	
	Analyte	Surrogate	Analyte	Surrogate			Analyte	Surrogate
50 PPB Gasoline	100*	NA	2.5 uL*	NA	10	5	50	100
100 PPB Gasoline	100*	NA	5.0 uL*	NA	10	5	100	100
500 PPB Gasoline	1000	NA	2.5 uL	NA	10	5	500	100
1000 PPB Gasoline	1000	NA	5.0 uL	NA	10	5	1000	100
2500 PPB Gasoline	1000	NA	12.5 uL	NA	10	5	2500	100
5000 PPB Gasoline	1000	NA	25.0 uL	NA	10	5	5000	100
10000 PPB Gasoline	1000	NA	50.0 uL	NA	10	5	10000	100
25000 PPB Gasoline	1000	NA	125.0 uL	NA	10	5	25000	100

Prepared by: _____ Date: 7/15/11

* 1:10 of the [1000ug/ml] Gasoline stock (ps) was used for these calib levels.

Comments : _____

Report Date: 16-Jul-2010 13:36

Calibration History

Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Start Cal Date: 15-JUL-2010 10:39
End Cal Date : 15-JUL-2010 13:34
Last Cal Level: 8
Last Cal Type : Initial Calibration

7/19/10

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 50.00000		
15-JUL-2010 10:39	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS071501.D
Cal Level: 2 , Cal Amount: 100.00000		
15-JUL-2010 11:04	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS071502.D
Cal Level: 3 , Cal Amount: 500.00000		
15-JUL-2010 11:29	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS071503.D
Cal Level: 4 , Cal Amount: 1000.00000		
15-JUL-2010 11:54	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS071504.D
Cal Level: 5 , Cal Amount: 2500.00000		
15-JUL-2010 12:19	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS071505.D
Cal Level: 6 , Cal Amount: 5000.00000		
15-JUL-2010 12:44	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS071506.D
Cal Level: 7 , Cal Amount: 7500.00000		
15-JUL-2010 13:09	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS071507.D
Cal Level: 8 , Cal Amount: 10000.00000		

15-JUL-2010 13:34	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS071508.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

15-JUL-2010 11:54	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS071504.D
15-JUL-2010 15:25	TPHALL	\\qsacca01\chem\HP11.i\071510.b\GAS0715.D

TestAmerica

Data file : \\qsacca01\chem\HP11.i\071510.b\BFB0715.D
Lab Smp Id: BFB 1uL
Inj Date : 15-JUL-2010 09:59
Operator : LB Inst ID: HP11.i
Smp Info : 50ng BFB 1uL;CG
Misc Info : 1;WATER;0;3_BFB.sub;;0;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\BFB39011.m
Meth Date : 14-Jul-2010 19:23 beldenl Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3_bfb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

✓ 7/19/10

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.626	3.510	(0.000)	95	149120			0.00- 100.00	100.00
3.626	3.510	(0.000)	50	28232			15.00- 40.00	18.93
3.626	3.510	(0.000)	75	74592			30.00- 60.00	50.02
3.626	3.510	(0.000)	96	10041			5.00- 9.00	6.73
3.626	3.510	(0.000)	173	737			0.00- 2.00	0.56
3.626	3.510	(0.000)	174	130448			50.00- 0.00	87.48
3.626	3.510	(0.000)	175	9402			5.00- 9.00	7.21
3.626	3.510	(0.000)	176	129432			95.00- 101.00	99.22
3.626	3.510	(0.000)	177	8499			5.00- 9.00	6.57

Data File: \\qsacca01\chem\HP11.i\071510.b\BFB0715.D

Date : 15-JUL-2010 09:59

Client ID:

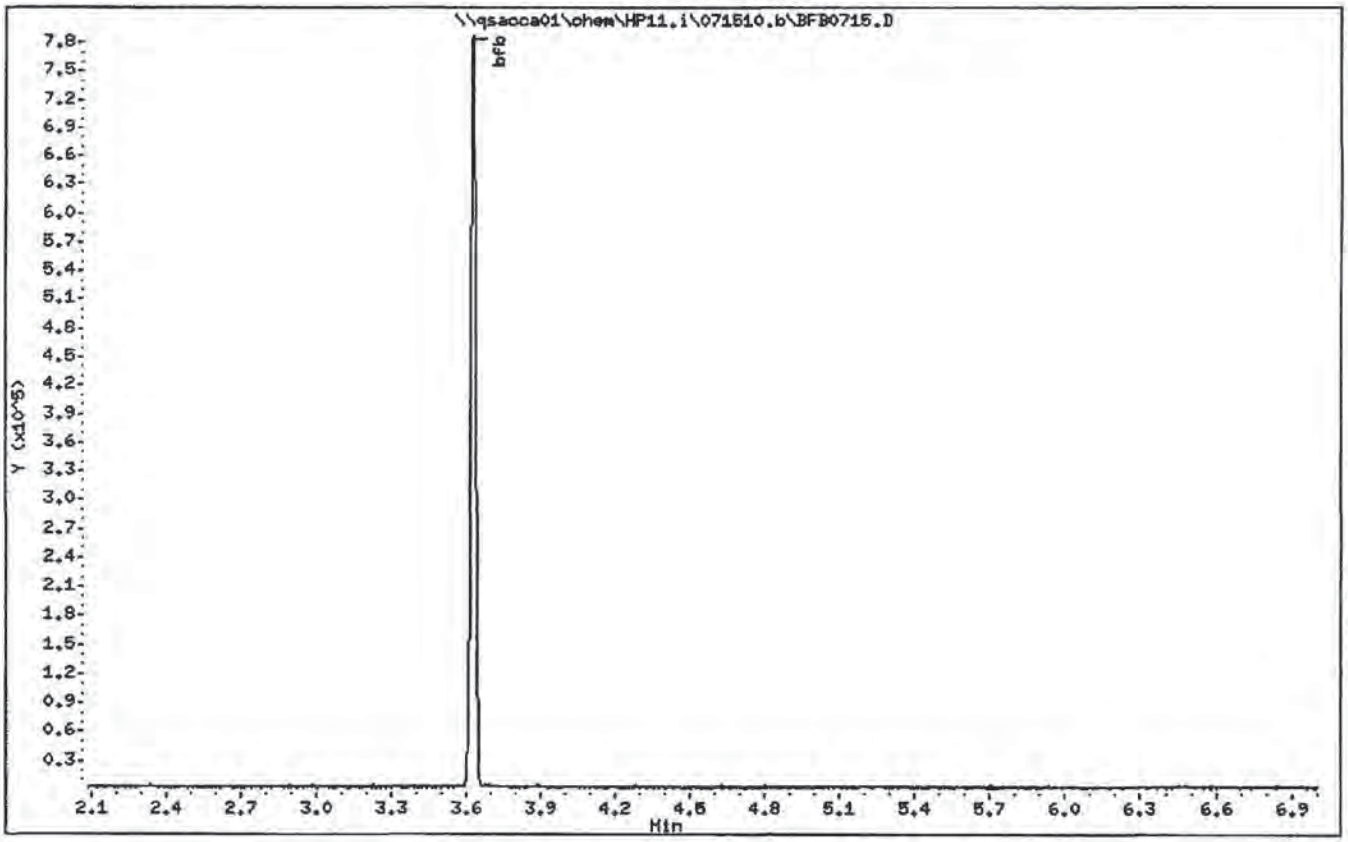
Instrument: HP11.i

Sample Info: 50ng BFB 1uL;CG

Operator: LB

Column phase:

Column diameter: 2.00



Data File: \\qsacca01\chem\HP11.i\071510.b\BFB0715.D

Date : 15-JUL-2010 09:59

Client ID:

Instrument: HP11.i

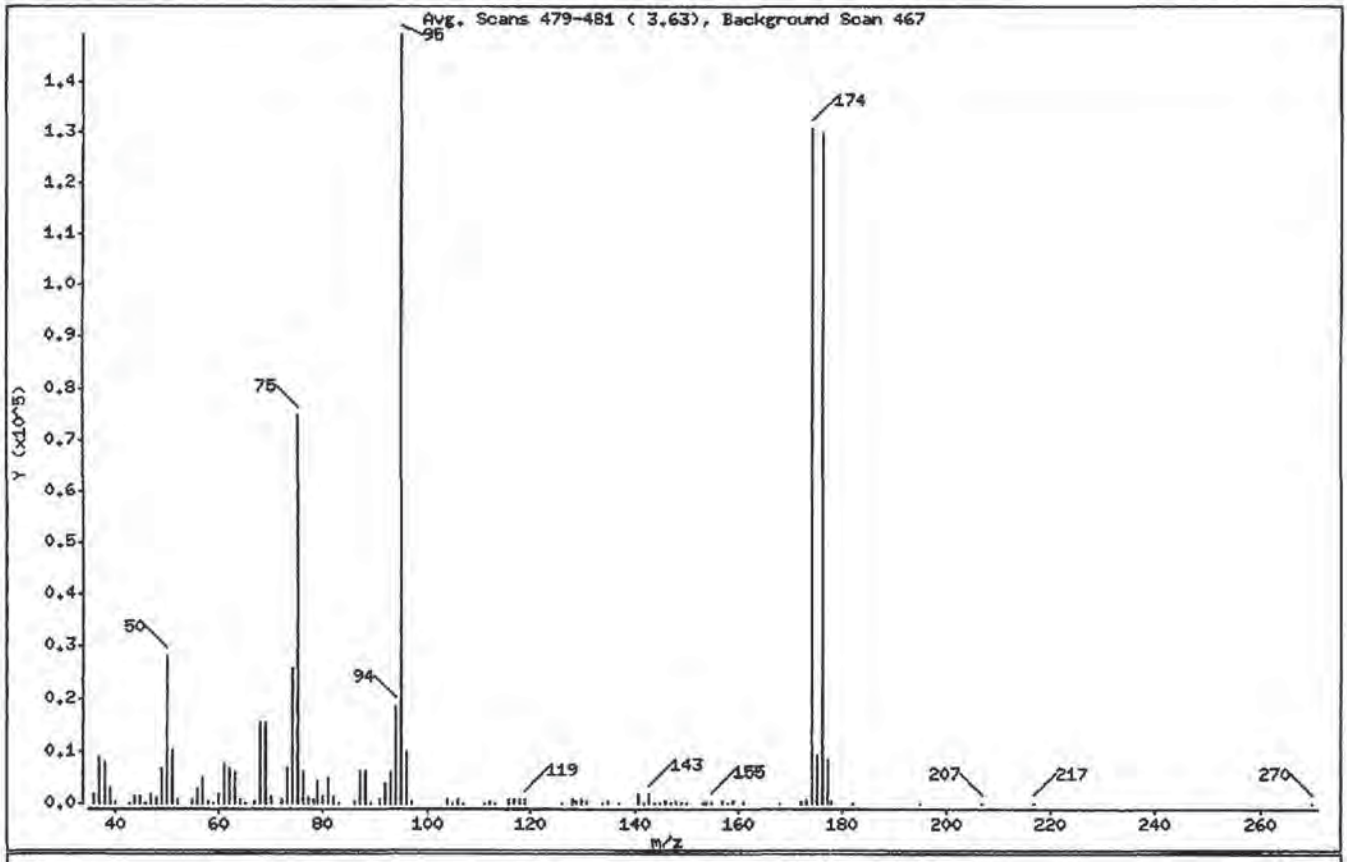
Sample Info: 50ng BFB 1uL;CG

Operator: LB

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	18.93
75	30.00 - 60.00% of mass 95	50.02
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.49 (0.56)
174	Greater than 50.00% of mass 95	87.48
175	5.00 - 9.00% of mass 174	6.30 (7.21)
176	95.00 - 101.00% of mass 174	86.80 (99.22)
177	5.00 - 9.00% of mass 176	5.70 (6.57)

Data File: \\qsacca01\chem\HP11.i\071510.b\BFB0715.D

Date : 15-JUL-2010 09:59

Client ID:

Instrument: HP11.i

Sample Info: 50ng BFB 1uL;CG

Operator: LB

Column phase:

Column diameter: 2.00

Data File: BFB0715.D
Spectrum: Avg. Scans 479-481 (3.63), Background Scan 467
Location of Maximum: 96.00
Number of points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1550	67.00	469	97.00	412	147.00	82
37.00	8883	68.00	15509	104.00	665	148.00	362
38.00	7741	69.00	15296	105.00	81	149.00	53
39.00	2994	70.00	1301	106.00	606	150.00	134
40.00	492	72.00	761	107.00	115	153.00	53
43.00	60	73.00	7027	111.00	52	154.00	174
44.00	1239	74.00	25872	112.00	186	155.00	289
45.00	1407	75.00	74592	113.00	71	157.00	241
46.00	72	76.00	6280	116.00	540	158.00	55
47.00	1703	77.00	876	117.00	796	159.00	252
48.00	936	78.00	658	118.00	685	161.00	236
49.00	6663	79.00	4446	119.00	811	168.00	70
50.00	28232	80.00	1303	126.00	89	172.00	229
51.00	10153	81.00	4698	128.00	569	173.00	737
52.00	576	82.00	915	129.00	381	174.00	130448
55.00	516	83.00	110	130.00	657	175.00	9402
56.00	2644	86.00	299	131.00	193	176.00	129432
57.00	4850	87.00	6179	134.00	112	177.00	8499
58.00	275	88.00	6176	135.00	367	178.00	228
59.00	73	89.00	97	137.00	130	182.00	63
60.00	1668	91.00	569	141.00	1806	195.00	96
61.00	7458	92.00	3888	142.00	4	207.00	102
62.00	6635	93.00	5678	143.00	1814	217.00	60
63.00	5714	94.00	18616	144.00	139	270.00	62
64.00	791	95.00	149120	145.00	69		
65.00	153	96.00	10041	146.00	232		

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\WDM0715.D
Lab Smp Id:
Inj Date : 15-JUL-2010 09:34
Operator : RRT Inst ID: HP11.i
Smp Info : WDM;CG;0;;;;5
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:37 gainesc Quant Type: ESTD
Cal Date : 15-JUL-2010 13:34 Cal File: GAS071508.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

7/19/10

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)	
3 1,4-Difluorobenzene	5.700	5.720	-0.020	1749015			(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	1909532			(a)
8 1,4-Dichlorobenzene-d4	10.526	10.523	0.003	2485677			(a)
1 Dibromofluoromethane	5.031	5.067	-0.036	2138140			(a)
2 1,2-Dichloroethane-d4	5.324	5.321	0.003	2109099			(a)
5 Toluene-d8	6.989	6.990	-0.001	5933761			(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	3891217			(a)
S 147 8015B (GRO)	3.400-10.236			5027169	199.121	199.1	
S 148 AK101	3.900-9.770			3525335	174.112	174.1	
S 149 CALUFT	5.550-12.120			3633271	178.684	178.7	
S 150 NWTPH-Gx	6.940-12.805			3804641	211.947	211.9	
S 151 Gas C6-C12	3.900-12.120			4914337	194.518	194.5	
S 152 GAS C6-C10	3.900-9.870			3916312	188.711	188.7	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\WDM0715.D
Lab Smp Id:
Inj Date : 15-JUL-2010 09:34
Operator : RRT Inst ID: HP11.i
Smp Info : WDM;CG;0;;;;5
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:37 gainesc Quant Type: AREA%
Cal Date : 15-JUL-2010 13:34 Cal File: GAS071508.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
1.125	17858	4793	0.268	0.03	
1.273	29925954	12277600	0.410	19.68	
1.595	18044	12724	0.705	0.03	
1.662	31443	13551	0.431	0.05	
1.720	37004	10268	0.277	0.06	
1.794	15325	8485	0.554	0.02	
1.845	36658	9448	0.258	0.06	
1.968	22116	11256	0.509	0.03	
1.990	29964	16373	0.546	0.05	
2.083	14815	8534	0.576	0.02	
2.125	15441	7319	0.474	0.02	
2.190	12067	4466	0.370	0.02	
2.270	22115	4562	0.206	0.03	
2.492	4850	2876	0.593	0.00	
2.743	10557	3024	0.286	0.01	
2.942	6699	2597	0.388	0.01	
3.064	25566	7698	0.301	0.04	
3.170	7024	2758	0.393	0.01	
3.325	16829	3260	0.194	0.02	
5.032	2138141	1245404	0.582	3.78	1 Dibromofluoromethan
5.324	2109099	1243867	0.590	3.73	2 1,2-Dichloroethane-
5.701	1749016	1055605	0.604	3.09	3 1,4-Difluorobenzene
6.818	5027170	2899770	0.577	8.90	S 147 8015B (GRO)

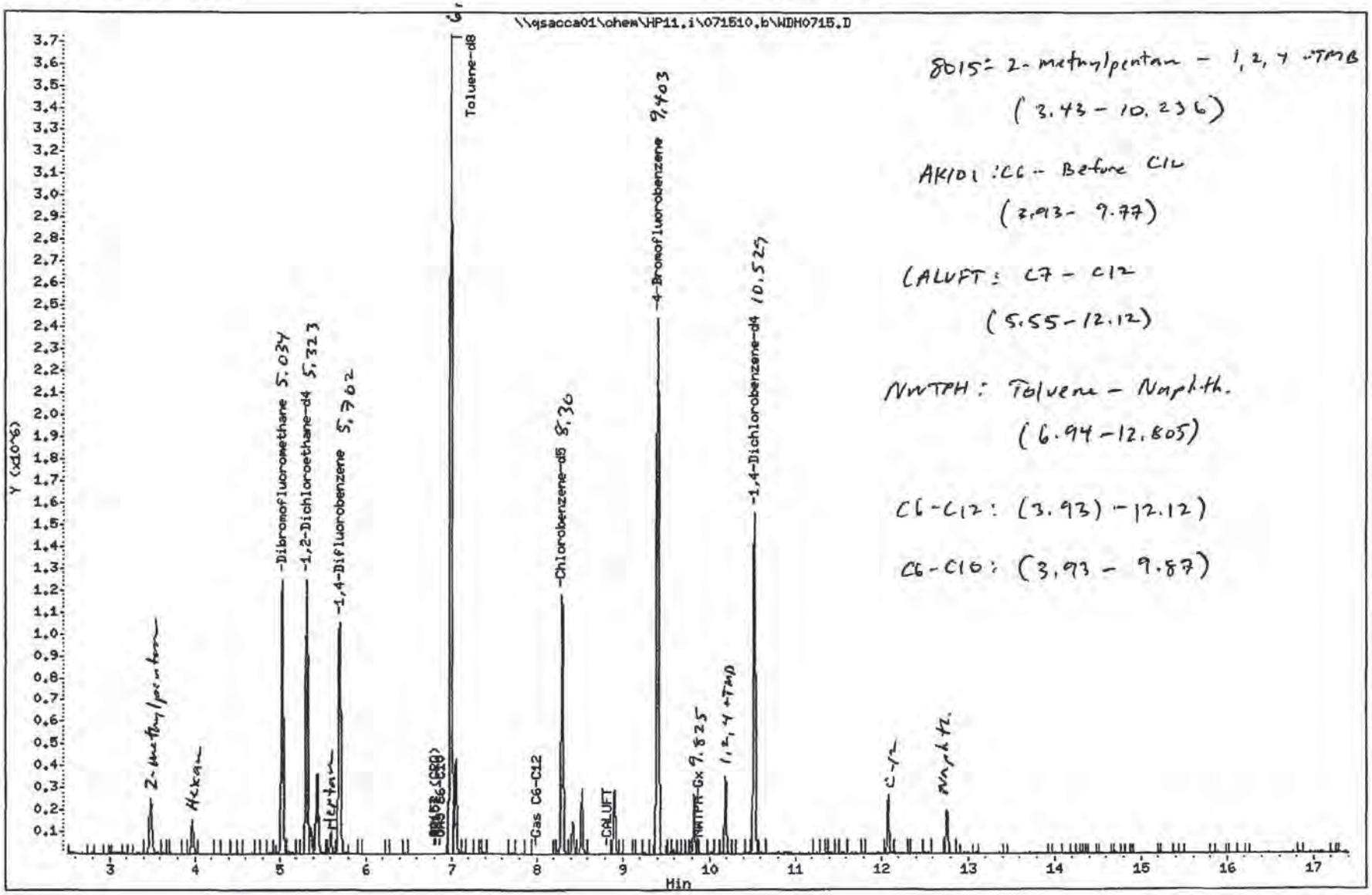
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.489	543453	250606	0.461		
3.620	6852	3219	0.470		
3.681	5397	2651	0.491		
3.861	7461	2625	0.352		
6.835	3525335	2016764	0.572	6.24	S 148 AK101
6.885	3916312	2284809	0.583	6.93	S 152 GAS C6-C10
3.974	273120	154614	0.566		
4.257	8311	2916	0.351		
4.434	9404	2641	0.281		
4.521	7413	3164	0.427		
4.723	6613	2637	0.399		
4.874	11251	3802	0.338		
5.106	39882	13223	0.332		
5.215	6563	3150	0.480		
5.376	210011	119713	0.570		
5.447	708498	366278	0.517		
5.604	163630	97882	0.598		
5.935	4896	2912	0.595		
6.260	4754	3069	0.646		
6.469	6583	3324	0.505		
7.051	735334	434162	0.590		
7.148	14818	8325	0.562		
7.279	7058	2929	0.415		
7.398	14291	5827	0.408		
7.720	14007	6352	0.453		
7.893	8327	2761	0.332		
8.212	3101	2399	0.774		
8.424	234984	145057	0.617		
8.530	480681	293160	0.610		
8.906	464394	288945	0.622		
8.990	5161	3258	0.631		
9.125	3582	2952	0.824		
9.180	7680	2951	0.384		
9.250	10244	4254	0.415		
9.553	4935	3607	0.731		
9.585	32842	18077	0.550		
9.649	8231	4085	0.496		
9.733	14735	8338	0.566		
9.823	390977	268045	0.686		
6.990	5933761	3733964	0.629	10.51	5 Toluene-d8
8.010	4914338	2945504	0.599	8.70	S 151 Gas C6-C12
10.019	13518	6382	0.472		
10.186	534177	349478	0.654		
10.282	5829	2764	0.474		
10.456	10600	5015	0.473		
10.601	12928	5895	0.456		
11.253	11261	3475	0.309		
11.372	4146	4023	0.970		
11.414	20388	9368	0.459		
11.556	17743	6159	0.347		
11.771	5710	2162	0.379		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
12.083	361725	265974	0.735			
8.299	1909533	1177294	0.617	3.38	6	Chlorobenzene-d5
8.835	3633272	2273366	0.626	6.43	S 149	CALUFT
9.405	3891217	2443565	0.628	6.89	7	4-Bromofluorobenzen
9.873	3804642	2369233	0.623	6.73	S 150	NWTPH-Gx
12.321	3793	3000	0.791			
12.501	14037	4591	0.327			
12.758	333403	195463	0.586			
10.527	2485677	1551033	0.624	4.40	8	1,4-Dichlorobenzene
12.893	5142	2404	0.467	0.00		
13.083	9007	3750	0.416	0.01		
13.417	5649	2963	0.525	0.01		
13.951	4374	2944	0.673	0.00		
14.115	10667	2822	0.265	0.01		
14.202	7523	3147	0.418	0.01		
14.302	4323	3362	0.778	0.00		
14.372	3029	3317	1.095	0.00		
14.491	3926	2286	0.582	0.00		
14.675	3304	2735	0.828	0.00		
14.794	4375	2631	0.601	0.00		
14.880	4484	3579	0.798	0.00		
15.221	4047	3134	0.774	0.00		
15.401	8868	3191	0.360	0.01		
15.466	7079	2194	0.310	0.01		
15.826	6837	2671	0.391	0.01		
15.996	4379	2869	0.655	0.00		
16.064	11242	2822	0.251	0.01		
16.218	5038	4007	0.795	0.00		
16.826	10596	3306	0.312	0.01		
17.215	8997	4177	0.464	0.01		
17.269	4998	3422	0.685	0.00		
	56453389	28337716		100.000		

Total unknown % area = 20.29

Data File: \\qsacca01\chem\HP11.i\071510.b\WDH0715.D
Date : 15-JUL-2010 09:34
Client ID:
Sample Info: WDH:CG:0:::::5

Instrument: HP11.i
Operator: RRT
Column phase: J&W DB-624
Column diameter: 0.53



8015: 2-methylpentane – 1,2,4-TMB
(3.43 – 10.236)

AK101: C6 – Before C12
(3.93 – 9.77)

CALUFT: C7 – C12
(5.55 – 12.12)

NWTPH: Toluene – Naphth.
(6.94 – 12.805)

C6-C12: (3.93) – 12.12)

C6-C10: (3.93 – 9.87)

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071501.D
Lab Smp Id:
Inj Date : 15-JUL-2010 10:39
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_50;CG;1;;1;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: ESTD
Cal Date : 15-JUL-2010 13:34 Cal File: GAS071508.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)	
3 1,4-Difluorobenzene	5.703	5.703	0.000	937130	50.0000		(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	1069372	50.0000		(a)
8 1,4-Dichlorobenzene-d4	10.526	10.526	0.000	1387534	50.0000		(a)
1 Dibromofluoromethane	5.035	5.035	0.000	1110022	100.000		(a)
2 1,2-Dichloroethane-d4	5.324	5.324	0.000	1023136	100.000		(a)
5 Toluene-d8	6.989	6.989	0.000	3364700	100.000		(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	2305464	100.000		(a)
S 147 8015B (GRO)	3.400-10.236			1254170	50.0000	49.68	
S 148 AK101	3.900-9.770			1000182	50.0000	49.40	
S 149 CALOFT	5.550-12.120			1026330	50.0000	50.47	
S 150 NWTPH-Gx	6.940-12.805			893999	50.0000	49.80	
S 151 Gas C6-C12	3.900-12.120			1243735	50.0000	49.23	
S 152 GAS C6-C10	3.900-9.870			1025279	50.0000	49.40	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071501.D
Lab Smp Id:
Inj Date : 15-JUL-2010 10:39
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_50;CG;1;;1;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: AREA%
Cal Date : 15-JUL-2010 13:34 Cal File: GAS071508.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.286	136021	43922	0.323	1.04	
2.495	5216	3843	0.737	0.04	
2.550	77016	32935	0.428	0.59	
2.681	17271	4493	0.260	0.13	
2.813	11712	5385	0.460	0.09	
2.878	18217	9529	0.523	0.14	
3.032	28986	9779	0.337	0.22	
5.035	1110023	617338	0.556	8.54	1 Dibromofluoromethan
5.324	1023136	585579	0.572	7.87	2 1,2-Dichloroethane-
5.704	937130	571137	0.609	7.21	3 1,4-Difluorobenzene
6.818	1254171	612006	0.488	9.65	S 147 8015B (GRO)
3.421	5950	3396	0.571		
3.488	92741	29060	0.313		
3.723	38497	14187	0.369		
3.829	3000	2277	0.759		
3.868	5331	2282	0.428		
6.835	1000182	501186	0.501	7.70	S 148 AK101
6.885	1025279	513359	0.501	7.89	S 152 GAS C6-C10

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.974	41225	21047	0.511		
4.170	6483	4617	0.712		
4.205	6363	1811	0.285		
4.453	9152	5082	0.555		
4.521	34566	12352	0.357		
5.141	19905	10205	0.513		
5.225	27303	13872	0.508		
5.443	72408	26897	0.371		
5.604	23348	11663	0.500		
6.096	26682	11526	0.432		
6.260	7979	2780	0.348		
6.453	21756	10113	0.465		
6.575	22982	9084	0.395		
6.636	13191	7230	0.548		
6.765	16676	7295	0.437		
6.900	8679	3871	0.446		
7.048	204336	120514	0.590		
7.144	21474	8727	0.406		
7.405	14800	6995	0.473		
7.475	4863	2485	0.511		
7.591	4126	2284	0.554		
7.723	10938	4836	0.442		
7.832	5192	2968	0.572		
8.070	8832	4365	0.494		
8.176	11030	3390	0.307		
8.421	42497	24048	0.566		
8.530	140235	78714	0.561		
8.906	58019	32978	0.568		
9.247	10413	3832	0.368		
9.321	3064	2376	0.775		
9.581	18247	8892	0.487		
9.649	15841	8456	0.534		
9.736	67577	25881	0.383		
9.816	25097	12173	0.485		
6.990	3364700	2086919	0.620	-12.81	5 Toluene-d8
8.010	1243735	620617	0.499	9.57	S 151 Gas C6-C12
10.016	19754	10181	0.515		
10.189	63618	37264	0.586		
10.318	4132	2026	0.490		
10.601	20397	10981	0.538		
10.794	20009	7019	0.351		
10.868	19548	7066	0.361		
11.154	13750	4456	0.324		
11.253	12713	5914	0.465		
11.417	8623	4311	0.500		
11.562	6765	3981	0.588		
11.639	8959	3153	0.352		
11.700	10263	4743	0.462		
11.964	4783	2758	0.577		
12.080	5140	3405	0.662		
8.299	1069372	652240	0.610	8.23	6 Chlorobenzene-d5
8.835	1026330	524734	0.511	7.90	S 149 CALUFT

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.405	2305465	1451684	0.630	17.75	7 4-Bromofluorobenzen
9.873	893999	466818	0.522	6.88	S 150 NWTPH-Gx
12.758	8962	5646	0.630		
10.527	1387535	881824	0.636	10.68	8 1,4-Dichlorobenzene
12.829	5633	2492	0.442	0.04	
12.896	3591	2808	0.782	0.02	
13.170	8303	2711	0.327	0.06	
13.269	3359	2020	0.601	0.02	
13.327	8141	2679	0.329	0.06	
13.427	7506	2070	0.276	0.05	
13.623	4412	2329	0.528	0.03	
13.771	4207	1809	0.430	0.03	
13.999	3903	2378	0.609	0.03	
14.453	6591	2031	0.308	0.05	
15.224	5406	3349	0.620	0.04	
15.456	3479	2335	0.671	0.02	
15.581	9352	2967	0.317	0.07	
15.642	5632	2092	0.371	0.04	
15.710	5895	2695	0.457	0.04	
15.800	4216	2269	0.538	0.03	
16.980	7972	2912	0.365	0.06	
	12987612	7676018		100.000	

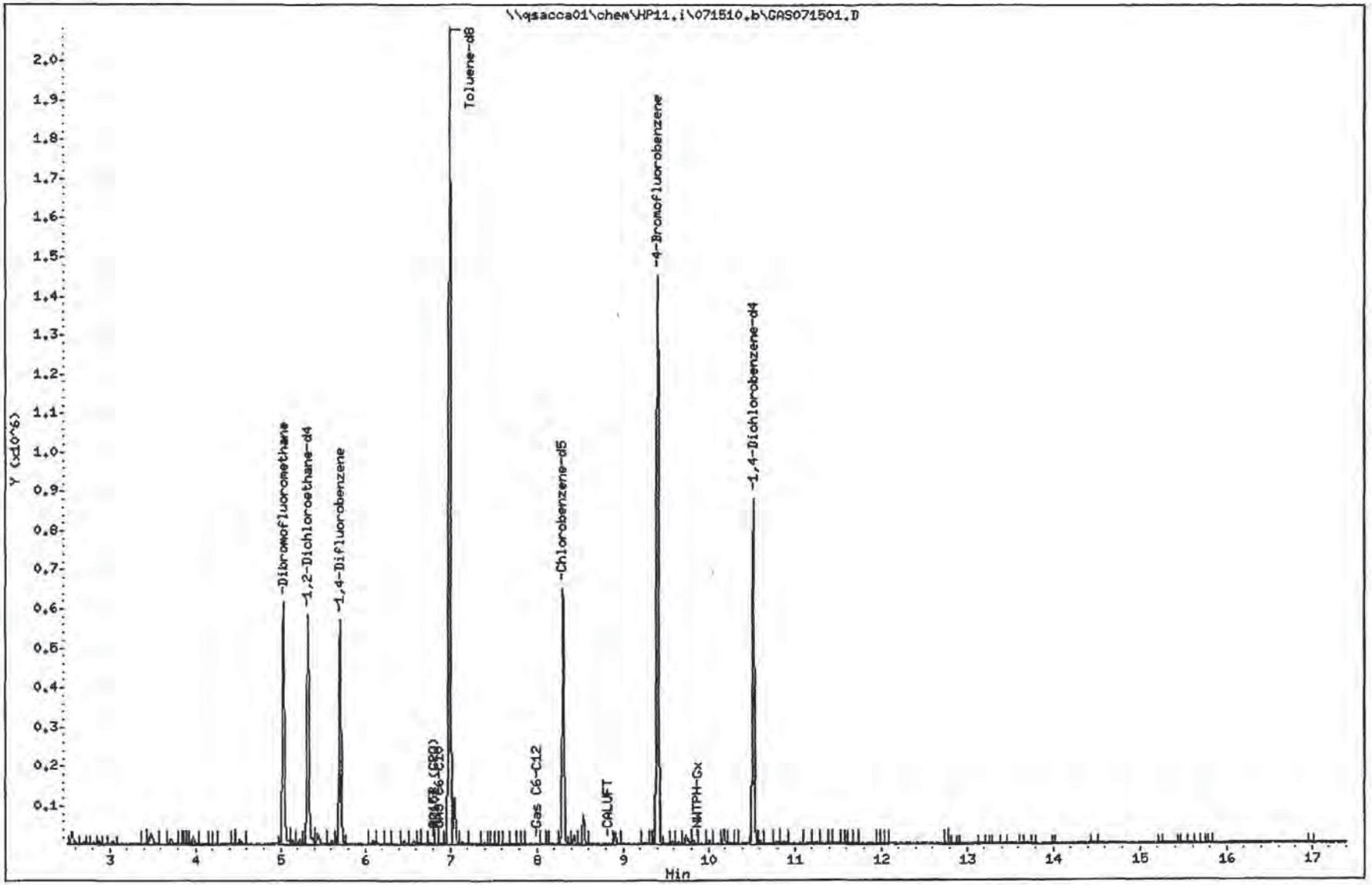
Total unknown % area = 2.94

Data File: \\qsacca01\chem\HP11.i\071510.b\CAS071501.D
Date : 15-JUL-2010 10:39
Client ID:
Sample Info: GAS_50;CG;1;;1;;;1

Column phase: J&W DB-624

Instrument: HP11.i

Operator: RRT
Column diameter: 0.53



TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071502.D
Lab Smp Id:
Inj Date : 15-JUL-2010 11:04
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_100;CG;1;;2;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: ESTD
Cal Date : 15-JUL-2010 10:39 Cal File: GAS071501.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

1/4 7/19/10

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)	
3 1,4-Difluorobenzene	5.700	5.700	0.000	1096289	50.0000		(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	1229627	50.0000		(a)
8 1,4-Dichlorobenzene-d4	10.526	10.526	0.000	1541681	50.0000		(a)
1 Dibromofluoromethane	5.035	5.035	0.000	1160295	100.000		(a)
2 1,2-Dichloroethane-d4	5.324	5.324	0.000	1029730	100.000		(a)
5 Toluene-d8	6.990	6.990	0.000	3535462	100.000		(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	2412591	100.000		(a)
S 147 8015B (GRO)	3.400-10.236			2582851	100.000	102.3	
S 148 AK101	3.900-9.770			2088061	100.000	103.1	
S 149 CALUFT	5.550-12.120			2009431	100.000	98.82	
S 150 NWTPH-Gx	6.940-12.805			1742670	100.000	97.08	
S 151 Gas C6-C12	3.900-12.120			2552121	100.000	101.0	
S 152 GAS C6-C10	3.900-9.870			2137605	100.000	103.0	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071502.D
Lab Smp Id:
Inj Date : 15-JUL-2010 11:04
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_100;CG;1;;2;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: AREA%
Cal Date : 15-JUL-2010 10:39 Cal File: GAS071501.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.103	3494	2903	0.831	0.02	
2.138	7063	3936	0.557	0.04	
2.289	263573	82304	0.312	1.69	
2.489	10662	5913	0.555	0.06	
2.550	145233	68242	0.470	0.93	
2.698	28971	13266	0.458	0.18	
2.817	17722	7546	0.426	0.11	
2.871	36043	18954	0.526	0.23	
3.039	49303	17335	0.352	0.31	
3.386	4188	3365	0.803	0.02	
5.035	1160295	652240	0.562	7.46	1 Dibromofluoromethan
5.325	1029731	602081	0.585	6.62	2 1,2-Dichloroethane-
5.701	1096289	652977	0.596	7.05	3 1,4-Difluorobenzene
6.818	2582852	1296755	0.502	16.61	S 147 8015B (GRO)
3.489	180556	59282	0.328		
3.723	77382	30493	0.394		
3.894	10576	5150	0.487		
6.835	2088061	1072548	0.514	13.42	S 148 AK101
6.885	2137605	1100015	0.515	13.74	S 152 GAS C6-C10

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.977	75879	40597	0.535		
4.071	7301	4378	0.600		
4.128	19883	5573	0.280		
4.238	9286	4037	0.435		
4.292	6230	3870	0.621		
4.392	16778	6121	0.365		
4.453	17891	8105	0.453		
4.524	56783	26161	0.461		
4.646	3241	2263	0.698		
4.733	4455	2050	0.460		
4.948	10637	5806	0.546		
5.103	23981	17956	0.749		
5.138	39231	17700	0.451		
5.225	53422	27412	0.513		
5.376	52291	30609	0.585		
5.450	130752	54476	0.417		
5.524	14648	7013	0.479		
5.604	42237	23032	0.545		
5.849	4833	2957	0.612		
5.923	9886	3694	0.374		
5.997	3050	1983	0.650		
6.099	46069	21685	0.471		
6.154	20229	10824	0.535		
6.263	18590	5898	0.317		
6.463	39832	18789	0.472		
6.579	43448	18788	0.432		
6.640	35288	11511	0.326		
6.765	28041	13178	0.470		
6.913	18352	6994	0.381		
7.051	412688	239525	0.580		
7.141	35968	15527	0.432		
7.392	21829	7000	0.321		
7.675	6974	5371	0.770		
7.807	13078	4125	0.315		
7.997	7563	2931	0.388		
8.070	17341	7854	0.453		
8.177	14303	5196	0.363		
8.424	87025	47109	0.541		
8.530	299150	175943	0.588		
8.903	117913	67218	0.570		
9.135	5079	2200	0.433		
9.257	14967	6125	0.409		
9.485	9088	3515	0.387		
9.550	3802	2811	0.739		
9.585	17787	8725	0.491		
9.652	27865	15752	0.565		
9.739	123094	52161	0.424		
9.823	49544	27467	0.554		
6.990	3535462	2172347	0.614	-42.94	5 Toluene-d8
8.010	2552121	1309347	0.513	16.41	S 151 Gas C6-C12
9.961	5978	3306	0.553		
10.022	38044	19804	0.521		
10.186	132710	78705	0.593		
10.440	7377	3946	0.535		
10.601	41374	21383	0.517		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
10.800	37811	15001	0.397			
10.877	32953	14237	0.432			
10.996	9316	3556	0.382			
11.067	9556	4025	0.421			
11.144	19345	6321	0.327			
11.250	21163	11637	0.550			
11.363	11332	4016	0.354			
11.408	9407	4837	0.514			
11.553	12797	5112	0.399			
11.652	12372	6192	0.500			
11.697	12979	7254	0.559			
8.299	1229628	751395	0.611	7.90	6	Chlorobenzene-d5
8.835	2009431	1045220	0.520	12.92	S 149	CALUFT
9.405	2412591	1505478	0.624	15.51	7	4-Bromofluorobenzen
9.873	1742671	927176	0.532	11.20	S 150	NWTPH-Gx
12.128	12175	6804	0.559			
12.270	4843	2237	0.462			
12.504	8110	3326	0.410			
12.691	4468	2703	0.605			
12.755	13499	6219	0.461			
10.527	1541682	931216	0.604	9.91	8	1,4-Dichlorobenzene
13.086	3573	2215	0.620	0.02		
13.302	4401	2411	0.548	0.02		
13.430	5357	3053	0.570	0.03		
13.800	5129	1919	0.374	0.03		
13.893	5291	2640	0.499	0.03		
13.980	8624	3532	0.410	0.05		
14.311	5753	2368	0.412	0.03		
14.360	4120	1715	0.416	0.02		
14.569	3988	1914	0.480	0.02		
14.726	7843	2310	0.295	0.05		
14.803	5522	2762	0.500	0.03		
14.909	3407	2827	0.830	0.02		
14.993	4933	3091	0.627	0.03		
15.122	5976	2805	0.469	0.03		
15.228	6195	2819	0.455	0.03		
15.315	5494	3131	0.570	0.03		
15.517	3005	2236	0.744	0.01		
15.549	6127	2686	0.438	0.03		
15.990	4601	2018	0.439	0.02		
16.141	4422	2335	0.528	0.02		
16.372	3284	3239	0.986	0.02		
16.765	5034	2502	0.497	0.03		
	15547743	8973587		100.000		

Total unknown % area = 4.19

Data File: \\qsacca01\chem\HP11.i\071510.b\GAS071502.D

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Date : 15-JUL-2010 11:04

Client ID:

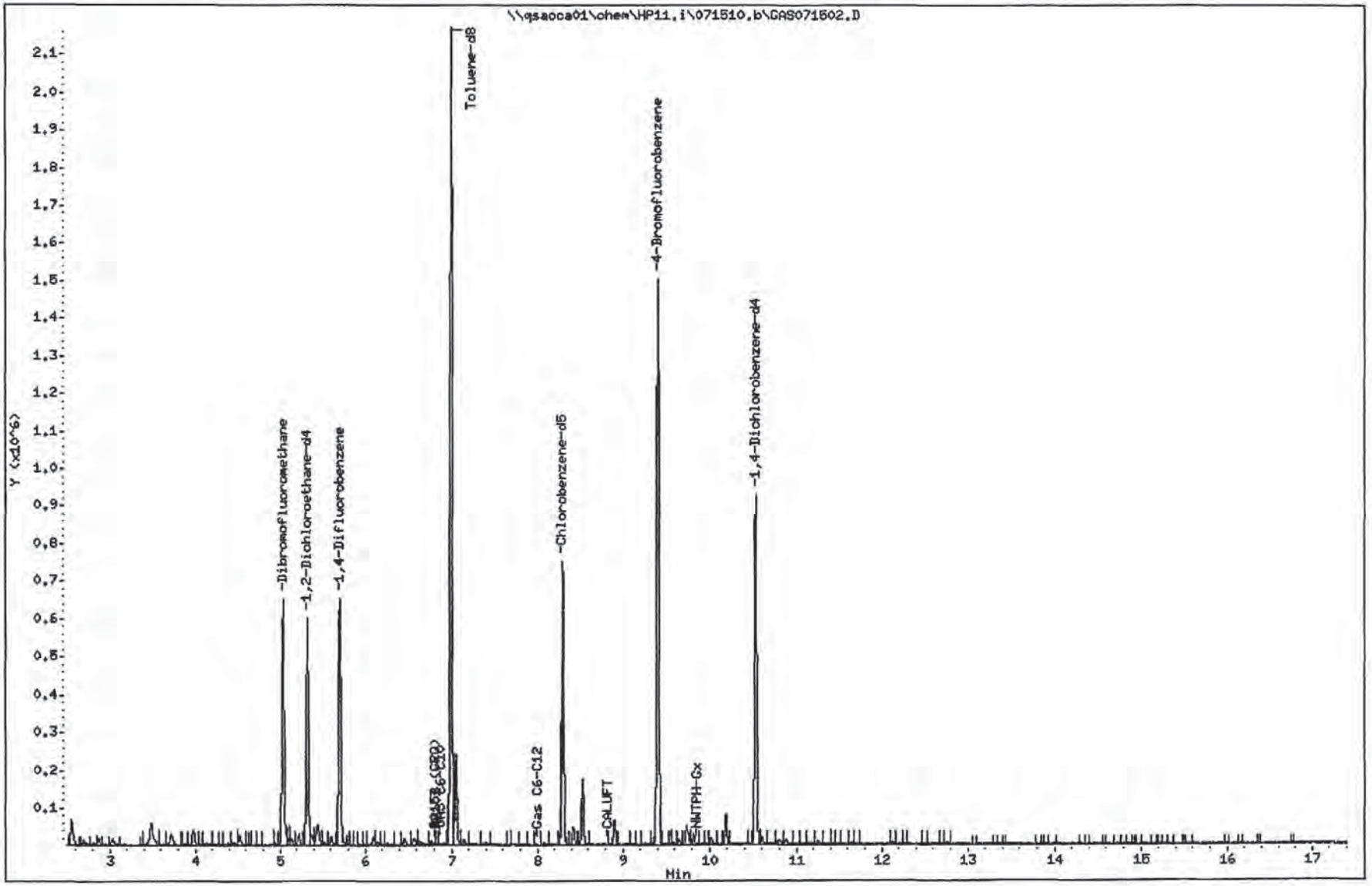
Instrument: HP11.i

Sample Info: GAS_100;CG;1;;2;;1

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071503.D
Lab Smp Id:
Inj Date : 15-JUL-2010 11:29
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_500;CG;1;;3;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: ESTD
Cal Date : 15-JUL-2010 11:04 Cal File: GAS071502.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

7/19/10 V

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)	
3 1,4-Difluorobenzene	5.703	5.703	0.000	1088938	50.0000		(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	1164504	50.0000		(a)
8 1,4-Dichlorobenzene-d4	10.526	10.526	0.000	1508691	50.0000		(a)
1 Dibromofluoromethane	5.035	5.035	0.000	1226897	100.000		(a)
2 1,2-Dichloroethane-d4	5.324	5.324	0.000	957272	100.000		(a)
5 Toluene-d8	6.989	6.989	0.000	3381253	100.000		(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	2321095	100.000		(a)
S 147 8015B (GRO)	3.400-10.236			10749932	500.000	425.8	
S 148 AK101	3.900-9.770			8599646	500.000	424.7	
S 149 CALUFT	5.550-12.120			8477918	500.000	416.9	
S 150 NWTPH-Gx	6.940-12.805			7397405	500.000	412.1	
S 151 Gas C6-C12	3.900-12.120			10648390	500.000	421.5	
S 152 GAS C6-C10	3.900-9.870			8810665	500.000	424.6	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071503.D
Lab Smp Id:
Inj Date : 15-JUL-2010 11:29
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_500;CG;1;;3;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: AREA%
Cal Date : 15-JUL-2010 11:04 Cal File: GAS071502.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.099	4669	3401	0.728	0.01	
2.151	17206	6388	0.371	0.06	
2.289	1167148	432281	0.370	4.48	
2.489	32626	17564	0.538	0.12	
2.553	626206	297411	0.475	2.40	
2.701	108931	61888	0.568	0.41	
2.813	56900	31922	0.561	0.21	
2.871	154076	76822	0.499	0.59	
3.032	196997	70211	0.356	0.75	
3.386	6518	6037	0.926	0.02	
5.035	1226898	595838	0.486	4.71	1 Dibromofluoromethan
5.324	957273	554208	0.579	3.67	2 1,2-Dichloroethane-
5.704	1088938	613149	0.563	4.18	3 1,4-Difluorobenzene
6.818	10749933	5639226	0.525	-122.80	S 147 8015B (GRO)
3.492	795132	254712	0.320		
3.726	299880	138252	0.461		
3.887	36056	17091	0.474		
6.835	8599647	4605372	0.536	33.03	S 148 AK101
6.885	8810665	4725410	0.536	33.84	S 152 GAS C6-C10

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.977	302976	170465	0.563		
4.070	26622	14478	0.544		
4.128	34671	19543	0.564		
4.167	44146	23925	0.542		
4.238	24930	11759	0.472		
4.299	28014	13625	0.486		
4.386	59510	22526	0.379		
4.456	65267	31801	0.487		
4.524	237831	113421	0.477		
4.765	6133	2403	0.392		
4.816	4715	2701	0.573		
4.878	5354	4110	0.768		
4.916	12186	9150	0.751		
4.955	49490	21080	0.426		
5.109	99142	55837	0.563		
5.141	125164	67036	0.536		
5.222	221816	121435	0.547		
5.379	209331	108338	0.518		
5.450	561911	250222	0.445		
5.521	51264	23970	0.468		
5.607	159843	88465	0.553		
5.842	14668	7813	0.533		
5.922	13817	8192	0.593		
5.955	23857	10064	0.422		
6.099	182264	84563	0.464		
6.148	72997	43007	0.589		
6.209	14827	8083	0.545		
6.263	35337	18481	0.523		
6.321	30047	11835	0.394		
6.402	8395	4792	0.571		
6.463	161325	80812	0.501		
6.572	187768	81127	0.432		
6.633	127169	51272	0.403		
6.762	121624	47866	0.394		
6.910	64834	26143	0.403		
7.051	1723372	1024429	0.594		
7.144	107589	50473	0.469		
7.273	26114	10661	0.408		
7.337	11487	5481	0.477		
7.385	54416	16601	0.305		
7.475	18805	7583	0.403		
7.569	15916	7534	0.473		
7.620	9692	5824	0.601		
7.681	22348	11325	0.507		
7.768	8343	6799	0.815		
7.807	21200	12033	0.568		
7.858	24430	7936	0.325		
7.948	20942	4947	0.236		
8.074	69553	27598	0.397		
8.183	44341	19651	0.443		
8.376	9284	6519	0.702		
8.421	360177	218599	0.607		
8.530	1334184	805044	0.603		
8.729	5104	2973	0.582		
8.803	8123	5524	0.680		
8.836	13441	6053	0.450		
8.906	538760	318211	0.591		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
8.993	3707	5236	1.413			
9.012	14890	7130	0.479			
9.109	17234	5727	0.332			
9.254	35455	20328	0.573			
9.479	19047	10138	0.532			
9.578	29120	11281	0.387			
9.649	106904	65288	0.611			
9.739	536426	238106	0.444			
9.819	211018	120038	0.569			
6.990	3381254	2079698	0.615	12.98	5	Toluene-d8
8.010	10648391	5697634	0.535	40.90	S 151	Gas C6-C12
10.019	160385	95812	0.597			
10.112	8640	5120	0.593			
10.186	639176	402829	0.630			
10.263	16056	6094	0.380			
10.321	20225	6912	0.342			
10.392	16460	8471	0.515			
10.443	24654	11042	0.448			
10.604	160695	91046	0.567			
10.742	5047	3265	0.647			
10.807	154722	59363	0.384			
10.874	131246	59799	0.456			
10.999	24509	11792	0.481			
11.064	30784	16362	0.532			
11.151	89767	27445	0.306			
11.250	90103	46363	0.515			
11.372	44166	16000	0.362			
11.485	8351	4623	0.554			
11.556	24216	12826	0.530			
11.643	45430	23622	0.520			
11.700	58107	35170	0.605			
11.790	29371	7075	0.241			
11.970	40843	13591	0.333			
12.083	14775	7602	0.515			
8.299	1164505	705674	0.606	4.47	6	Chlorobenzene-d5
8.835	8477918	4609809	0.544	32.56	S 149	CALUFT
9.405	2321096	1434927	0.618	8.91	7	4-Bromofluorobenzen
9.873	7397405	4102689	0.555	28.41	S 150	NWTPH-Gx
12.125	55005	26111	0.475			
12.401	9009	3711	0.412			
12.446	11083	4986	0.450			
12.488	19431	6963	0.358			
12.607	12425	5384	0.433			
12.758	31305	18240	0.583			
10.527	1508692	928504	0.615	5.79	8	1,4-Dichlorobenzene
12.851	4336	2896	0.668	0.01		
12.951	8576	4187	0.488	0.03		
13.086	7285	3318	0.455	0.02		
13.154	12039	4300	0.357	0.04		
13.565	7933	3393	0.428	0.03		

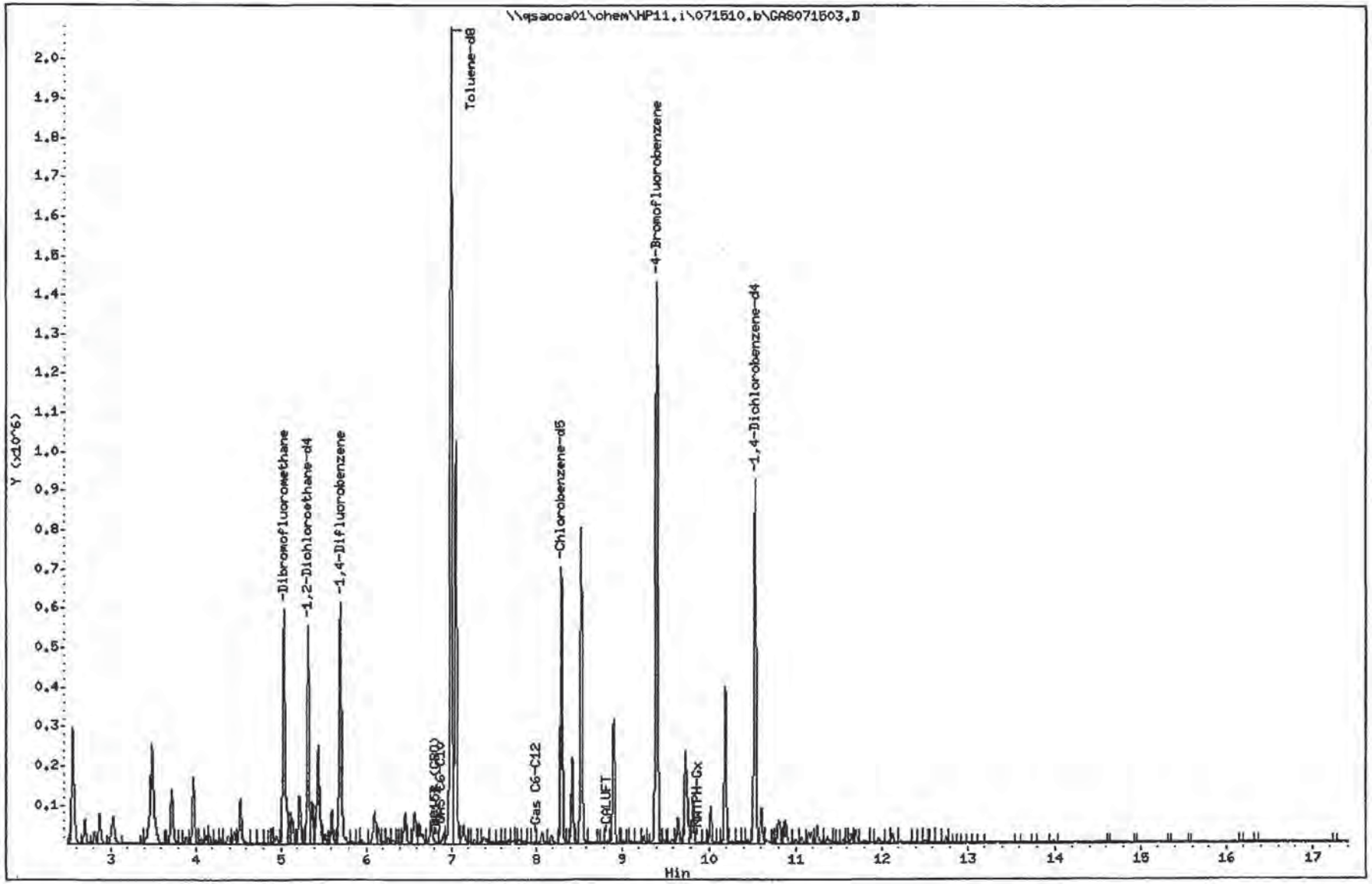
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
13.758	8080	2724	0.337	0.03	
13.990	14158	5787	0.409	0.05	
14.613	4057	2690	0.663	0.01	
14.948	3112	2768	0.890	0.01	
15.337	3211	2182	0.680	0.01	
15.562	3490	2387	0.684	0.01	
16.176	4877	2419	0.496	0.01	
16.340	6094	3564	0.585	0.02	
17.260	6364	3163	0.497	0.02	
	26031262	14134785		100.000	

Total unknown % area = 9.35

Data File: \\qsaoca01\chem\HP11.i\071510.b\GAS071503.D
Date : 15-JUL-2010 11:29
Client ID:
Sample Info: GAS_500;CG;1;;3;;1

Instrument: HP11.i
Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



Test America West Sacramento (916) 373 - 5600

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071504.D
Lab Smp Id:
Inj Date : 15-JUL-2010 11:54
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_1000;CG;1;;4;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: ESTD
Cal Date : 15-JUL-2010 11:29 Cal File: GAS071503.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

JS 7/19/10

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)	
3 1,4-Difluorobenzene	5.704	5.704	0.000	1042853	50.0000		(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	1060687	50.0000		(a)
8 1,4-Dichlorobenzene-d4	10.526	10.526	0.000	1371502	50.0000		(a)
1 Dibromofluoromethane	5.032	5.032	0.000	1388644	100.000		(a)
2 1,2-Dichloroethane-d4	5.324	5.324	0.000	934330	100.000		(a)
5 Toluene-d8	6.990	6.990	0.000	3404135	100.000		(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	2296550	100.000		(a)
S 147 8015B (GRO)	3.400-10.236			21248356	1000.00	841.6	
S 148 AK101	3.900-9.770			16895902	1000.00	834.5	
S 149 CALUFT	5.550-12.120			17061229	1000.00	839.1	
S 150 NWTPH-Gx	6.940-12.805			15130721	1000.00	842.9	
S 151 Gas C6-C12	3.900-12.120			21210301	1000.00	839.5	
S 152 GAS C6-C10	3.900-9.870			17320662	1000.00	834.6	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071504.D
Lab Smp Id:
Inj Date : 15-JUL-2010 11:54
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_1000;CG;1;;4;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: AREA%
Cal Date : 15-JUL-2010 11:29 Cal File: GAS071503.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.154	31275	10190	0.326	0.07	
2.286	2369135	911875	0.385	5.90	
2.492	58993	33889	0.574	0.14	
2.553	1224056	588803	0.481	3.05	
2.698	205915	110300	0.536	0.51	
2.810	108062	53090	0.491	0.26	
2.871	295433	148948	0.504	0.73	
3.029	385333	141240	0.367	0.96	
3.164	5889	3269	0.555	0.01	
3.228	4339	3454	0.796	0.01	
3.260	6777	2499	0.369	0.01	
5.032	1388645	577784	0.416	3.46	1 Dibromofluoromethan
5.325	934331	533156	0.571	2.32	2 1,2-Dichloroethane-
5.704	1042853	557964	0.535	2.59	3 1,4-Difluorobenzene
6.818	21248357	11267043	0.530	-159.09	S 147 8015B (GRO)
3.492	1549323	501370	0.324		
3.723	587041	267488	0.456		
3.894	62717	28499	0.454		
6.835	16895902	9135892	0.541	42.12	S 148 AK101

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.885	17320662	9388353	0.542	43.18	S 152 GAS C6-C10
3.977	573403	332073	0.579		
4.071	43181	23124	0.536		
4.129	64132	36759	0.573		
4.167	78166	41201	0.527		
4.241	47180	23160	0.491		
4.302	51005	25852	0.507		
4.392	108763	42910	0.395		
4.453	126107	61838	0.490		
4.524	452535	209673	0.463		
4.784	3618	2227	0.616		
4.820	7678	4881	0.636		
4.952	128452	42702	0.332		
5.109	189485	108313	0.572		
5.138	238884	123138	0.515		
5.225	416706	234988	0.564		
5.379	395634	217451	0.550		
5.450	1123661	474259	0.422		
5.524	100482	47650	0.474		
5.604	301484	174297	0.578		
5.849	23861	13233	0.555		
5.916	29360	14124	0.481		
5.948	34484	17265	0.501		
6.099	355228	165685	0.466		
6.148	142753	80126	0.561		
6.212	29803	15397	0.517		
6.260	59350	30383	0.512		
6.325	48739	21132	0.434		
6.466	328453	163279	0.497		
6.572	373156	158910	0.426		
6.636	166304	97371	0.585		
6.768	223981	92459	0.413		
6.884	26953	19376	0.719		
6.910	91350	48304	0.529		
7.051	3381517	2047082	0.605		
7.144	202205	93950	0.465		
7.212	22439	12393	0.552		
7.276	42776	20216	0.473		
7.353	18978	8256	0.435		
7.389	100176	28473	0.284		
7.482	28509	12463	0.437		
7.569	27122	13350	0.492		
7.630	15864	7961	0.502		
7.678	44478	21359	0.480		
7.726	52402	12765	0.244		
7.804	38895	20981	0.539		
7.855	51217	13585	0.265		
7.952	18946	9440	0.498		
8.000	26580	12721	0.479		
8.074	123052	57319	0.466		
8.183	82504	41321	0.501		
8.424	740259	445379	0.602		
8.530	2722182	1638129	0.602		
8.681	12990	5756	0.443		
8.746	10325	5388	0.522		
8.800	12402	8949	0.722		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
8.836	19179	10884	0.567			
8.906	1110440	674961	0.608			
8.984	7403	5812	0.785			
9.019	26108	13014	0.498			
9.077	26865	9111	0.339			
9.132	34246	10136	0.296			
9.257	77100	40926	0.531			
9.292	17299	10805	0.625			
9.482	44305	19245	0.434			
9.582	40357	16239	0.402			
9.652	215423	127075	0.590			
9.736	1117030	496908	0.445			
9.820	424760	252461	0.594			
6.990	3404135	2067185	0.607	8.48	5	Toluene-d8
8.010	21210301	11542192	0.544	52.87	S 151	Gas C6-C12
9.916	19728	6274	0.318			
10.019	329197	196597	0.597			
10.109	14965	8394	0.561			
10.186	1364724	870068	0.638			
10.270	23859	10272	0.431			
10.321	40546	12705	0.313			
10.392	25290	13757	0.544			
10.447	47808	20927	0.438			
10.601	381105	192858	0.506			
10.797	314596	121074	0.385			
10.877	272822	133450	0.489			
10.996	47998	22992	0.479			
11.064	56687	32634	0.576			
11.148	100475	58691	0.584			
11.176	100678	62701	0.623			
11.250	166587	101729	0.611			
11.295	24678	12912	0.523			
11.373	91589	30837	0.337			
11.472	13497	6063	0.449			
11.553	48231	25748	0.534			
11.649	99337	56071	0.564			
11.701	127514	78099	0.612			
11.778	41417	11660	0.282			
11.836	17045	9813	0.576			
11.887	12671	6715	0.530			
11.967	64818	28403	0.438			
12.016	15326	8595	0.561			
12.077	26449	13800	0.522			
8.299	1060688	633055	0.597	2.64	6	Chlorobenzene-d5
8.835	17061229	9489993	0.556	42.53	S 149	CALUFT
9.405	2296551	1395776	0.608	5.72	7	4-Bromofluorobenzen
9.873	15130722	8523341	0.563	37.72	S 150	NWTPH-Gx
12.128	110210	52590	0.477			
12.209	13205	8140	0.616			
12.266	3266	3993	1.223			
12.289	16765	6205	0.370			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
12.395	10503	5980	0.569		
12.447	20899	9308	0.445		
12.495	40250	13490	0.335		
12.575	6158	5578	0.906		
12.601	22857	9747	0.426		
12.755	60639	29658	0.489		
10.527	1371502	826543	0.603	3.41	8 1,4-Dichlorobenzene
12.948	24438	6151	0.252	0.06	
13.086	7402	4550	0.615	0.01	
13.144	13696	6329	0.462	0.03	
13.263	5221	3452	0.661	0.01	
13.337	8498	6128	0.721	0.02	
13.398	3842	3151	0.820	0.00	
13.492	11062	5493	0.497	0.02	
13.565	14702	4759	0.324	0.03	
13.771	7022	2666	0.380	0.01	
13.980	24937	9233	0.370	0.06	
14.112	6107	2315	0.379	0.01	
14.218	12442	3990	0.321	0.03	
14.604	7890	2566	0.325	0.01	
14.871	7575	2674	0.353	0.01	
15.141	3201	1547	0.483	0.00	
15.215	15027	3995	0.266	0.03	
15.347	4934	2179	0.442	0.01	
16.713	4895	2972	0.607	0.01	
16.951	5183	2618	0.505	0.01	
17.134	4399	2706	0.615	0.01	
17.212	6970	3524	0.506	0.01	
17.247	5038	3222	0.640	0.01	
	40112525	21169478		100.000	

Total unknown % area = 12.05

Data File: \\qsacoa01\chem\HP11.i\071510.b\GAS071504.D

Date : 15-JUL-2010 11:54

Client ID:

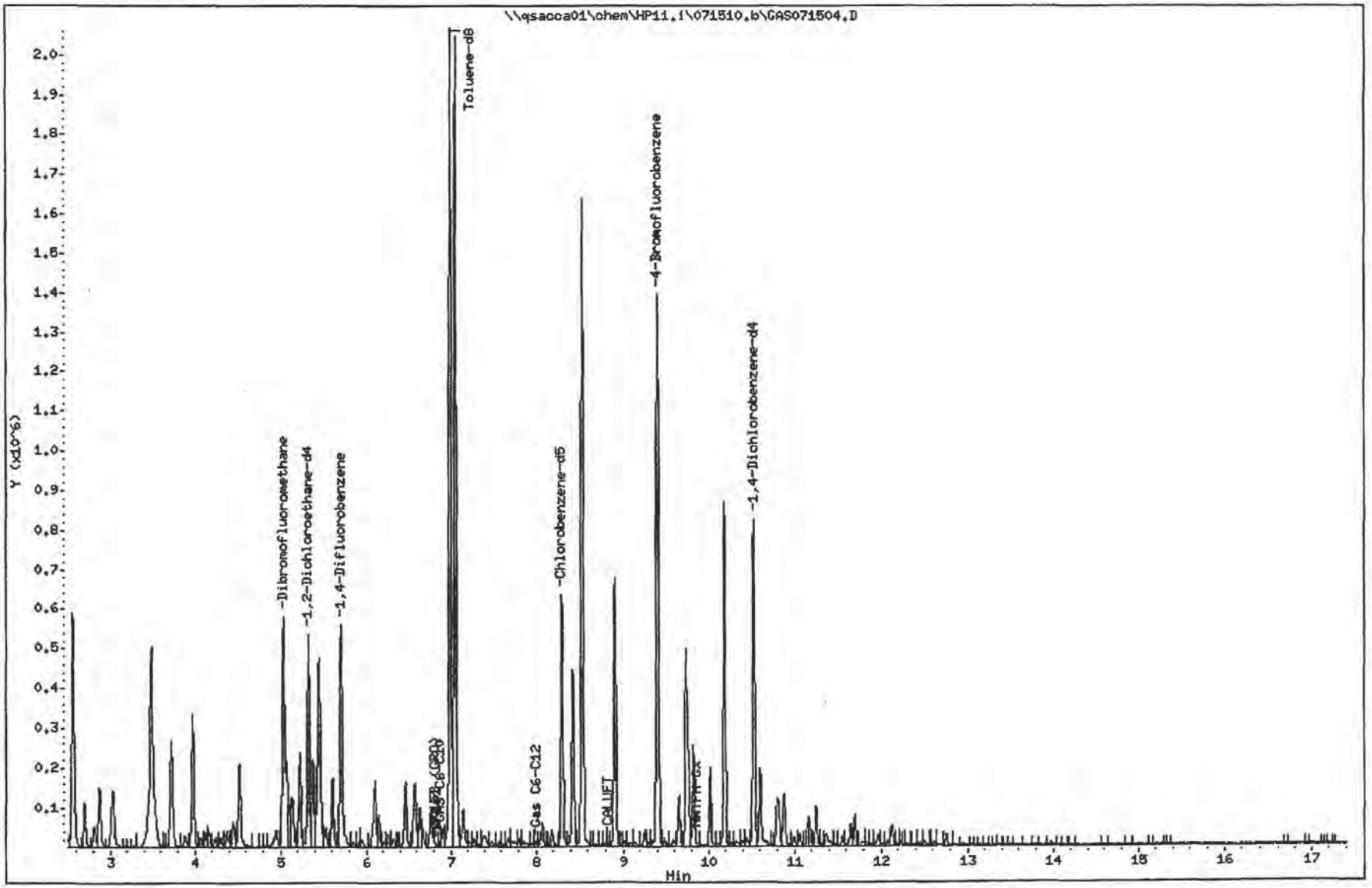
Sample Info: GAS_1000;CC;1;;4;;1

Column phase: J&W DB-624

Instrument: HP11.i

Operator: RRT

Column diameter: 0.53



TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071505.D
Lab Smp Id:
Inj Date : 15-JUL-2010 12:19
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_2500;CG;1;;5;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: ESTD
Cal Date : 15-JUL-2010 11:54 Cal File: GAS071504.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

7/19/10

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)	
3 1,4-Difluorobenzene	5.703	5.703	0.000	1179005	50.0000		(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	1178670	50.0000		(a)
8 1,4-Dichlorobenzene-d4	10.523	10.523	0.000	1538025	50.0000		(a)
1 Dibromofluoromethane	5.035	5.035	0.000	1043939	100.000		(a)
2 1,2-Dichloroethane-d4	5.324	5.324	0.000	963697	100.000		(a)
5 Toluene-d8	6.990	6.990	0.000	3701902	100.000		(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	2605764	100.000		(a)
S 147 8015B (GRO)	3.400-10.236			61348372	2500.00	2430	
S 148 AK101	3.900-9.770			49167151	2500.00	2428	
S 149 CALUFT	5.550-12.120			49436271	2500.00	2431	
S 150 NWTPH-Gx	6.940-12.805			43872711	2500.00	2444	
S 151 Gas C6-C12	3.900-12.120			61881983	2500.00	2449	
S 152 GAS C6-C10	3.900-9.870			50404492	2500.00	2429	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071505.D
Lab Smp Id:
Inj Date : 15-JUL-2010 12:19
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_2500;CG;1;;5;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: AREA%
Cal Date : 15-JUL-2010 11:54 Cal File: GAS071504.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.154	80373	24635	0.307	0.08	
2.283	6507734	2365724	0.364	6.92	
2.489	148443	79248	0.534	0.15	
2.550	3233417	1547241	0.479	3.43	
2.698	528685	299212	0.566	0.56	
2.810	275747	141443	0.513	0.29	
2.871	769917	399878	0.519	0.81	
3.026	1006105	380391	0.378	1.07	
3.225	9676	6109	0.631	0.01	
3.264	10343	4194	0.405	0.01	
5.035	1043939	607193	0.582	1.11	1 Dibromofluoromethan
5.325	963698	563818	0.585	1.02	2 1,2-Dichloroethane-
5.704	1179006	596596	0.506	1.25	3 1,4-Difluorobenzene
6.818	61348373	32694027	0.533	65.26	S 147 8015B (GRO)
3.485	4171616	1351976	0.324		
3.720	1572809	703712	0.447		
3.891	158027	75579	0.478		
6.835	49167151	26674459	0.543	52.30	S 148 AK101
6.885	50404492	27413447	0.544	53.62	S 152 GAS C6-C10

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.977	1573203	904150	0.575		
4.071	111958	60889	0.544		
4.128	174556	96310	0.552		
4.164	208694	118713	0.569		
4.238	120702	65574	0.543		
4.302	131481	64089	0.487		
4.389	290468	122220	0.421		
4.456	346016	161059	0.465		
4.524	1219677	575235	0.472		
4.755	7862	3893	0.495		
4.826	20934	9110	0.435		
4.952	333393	120449	0.361		
5.071	1059168	599678	0.566		
5.106	434853	271410	0.624		
5.141	694799	326791	0.470		
5.225	1186871	663636	0.559		
5.286	35905	29457	0.820		
5.379	1007748	564108	0.560		
5.447	3212321	1330144	0.414		
5.521	275102	126950	0.461		
5.604	848175	491918	0.580		
5.804	37731	20129	0.533		
5.845	63560	37266	0.586		
5.916	74553	39924	0.536		
5.948	88542	48292	0.545		
6.099	991564	473145	0.477		
6.151	392073	223456	0.570		
6.209	74908	37964	0.507		
6.257	159475	85302	0.535		
6.325	137451	59704	0.434		
6.463	949872	468238	0.493		
6.575	1050931	448447	0.427		
6.636	675609	278148	0.412		
6.765	644087	281209	0.437		
6.913	365613	146204	0.400		
7.051	9567863	5853892	0.612		
7.144	572661	253742	0.443		
7.215	57289	32919	0.575		
7.276	115593	53490	0.463		
7.331	42229	17494	0.414		
7.382	274134	76051	0.277		
7.485	80197	36444	0.454		
7.572	70222	37290	0.531		
7.620	44889	23079	0.514		
7.681	144979	61377	0.423		
7.742	115964	34371	0.296		
7.804	107665	60307	0.560		
7.852	153438	41831	0.273		
7.964	47065	22889	0.486		
7.996	77049	38775	0.503		
8.070	389911	175896	0.451		
8.183	237476	120181	0.506		
8.424	2109929	1314668	0.623		
8.530	7900947	4755703	0.602		
8.646	41734	10161	0.243		
8.739	32737	10038	0.307		
8.807	38327	22523	0.588		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
8.839	55379	25509	0.461			
8.906	3226709	2023339	0.627			
9.013	96991	36180	0.373			
9.074	62873	22199	0.353			
9.141	98473	28608	0.291			
9.257	226301	118942	0.526			
9.302	55087	28986	0.526			
9.482	134546	53983	0.401			
9.585	87145	26009	0.298			
9.649	628390	383230	0.610			
9.736	3273104	1521142	0.465			
9.820	1237341	738988	0.597			
6.990	3701903	2118695	0.572	3.93	5	Toluene-d8
8.010	61881983	33839824	0.547	-197.08	S 151	Gas C6-C12
9.913	49471	15216	0.308			
10.019	940680	576053	0.612			
10.109	44474	23027	0.518			
10.186	4006804	2535017	0.633			
10.260	74747	28209	0.377			
10.324	65707	36511	0.556			
10.357	47826	32912	0.688			
10.395	87491	37627	0.430			
10.443	129083	63737	0.494			
10.601	1080661	576236	0.533			
10.797	947136	356030	0.376			
10.877	818066	396569	0.485			
10.993	136302	62104	0.456			
11.061	179430	99204	0.553			
11.151	305980	191354	0.625			
11.180	302023	183364	0.607			
11.254	506249	320487	0.633			
11.299	76131	40824	0.536			
11.369	245831	92940	0.378			
11.479	51751	17027	0.329			
11.553	125800	67633	0.538			
11.607	21552	18715	0.868			
11.649	292810	167483	0.572			
11.701	410102	248161	0.605			
11.794	121889	38578	0.317			
11.832	46194	30607	0.663			
11.890	38334	19417	0.507			
11.967	200715	86070	0.429			
12.016	39603	24059	0.608			
12.077	84652	41206	0.487			
8.299	1178671	688284	0.584	1.25	6	Chlorobenzene-d5
8.835	49436272	27625959	0.559	52.59	S 149	CALUFT
9.405	2605765	1517806	0.582	2.77	7	4-Bromofluorobenzen
9.873	43872712	24932586	0.568	46.67	S 150	NWTPH-Gx
12.122	366670	165365	0.451			
12.221	54272	28744	0.530			
12.270	7302	9625	1.318			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
12.302	50830	20021	0.394		
12.401	36786	16694	0.454		
12.453	53554	29175	0.545		
12.498	121998	42085	0.345		
12.572	20524	14408	0.702		
12.614	104416	29490	0.282		
12.758	174232	90366	0.519		
10.524	1538025	886415	0.576	1.63	8 1,4-Dichlorobenzene
12.813	13112	8528	0.650	0.01	
12.861	19671	8856	0.450	0.02	
12.948	48909	15932	0.326	0.05	
13.006	23800	13844	0.582	0.02	
13.096	17552	9255	0.527	0.01	
13.144	39382	19956	0.507	0.04	
13.225	9052	4805	0.531	0.00	
13.254	13885	4610	0.332	0.01	
13.344	41159	17957	0.436	0.04	
13.488	24134	11948	0.495	0.02	
13.565	24447	11412	0.467	0.02	
13.980	64985	28419	0.437	0.06	
14.212	36477	11641	0.319	0.03	
14.546	3351	2864	0.855	0.00	
14.614	9649	2378	0.246	0.01	
14.707	3778	2436	0.645	0.00	
15.205	14826	4699	0.317	0.01	
15.318	3774	2119	0.562	0.00	
15.736	4832	2569	0.532	0.00	
15.855	4652	2705	0.581	0.00	
16.491	7507	2863	0.381	0.00	
16.581	5450	3167	0.581	0.00	
16.768	3890	2196	0.565	0.00	
16.868	6014	2922	0.486	0.00	
	94000753	48842027		100.000	

Total unknown % area = 13.68

Data File: \\qsaoca01\chem\HP11.i\071510.b\GAS071505.D

Date : 15-JUL-2010 12:19

Client ID:

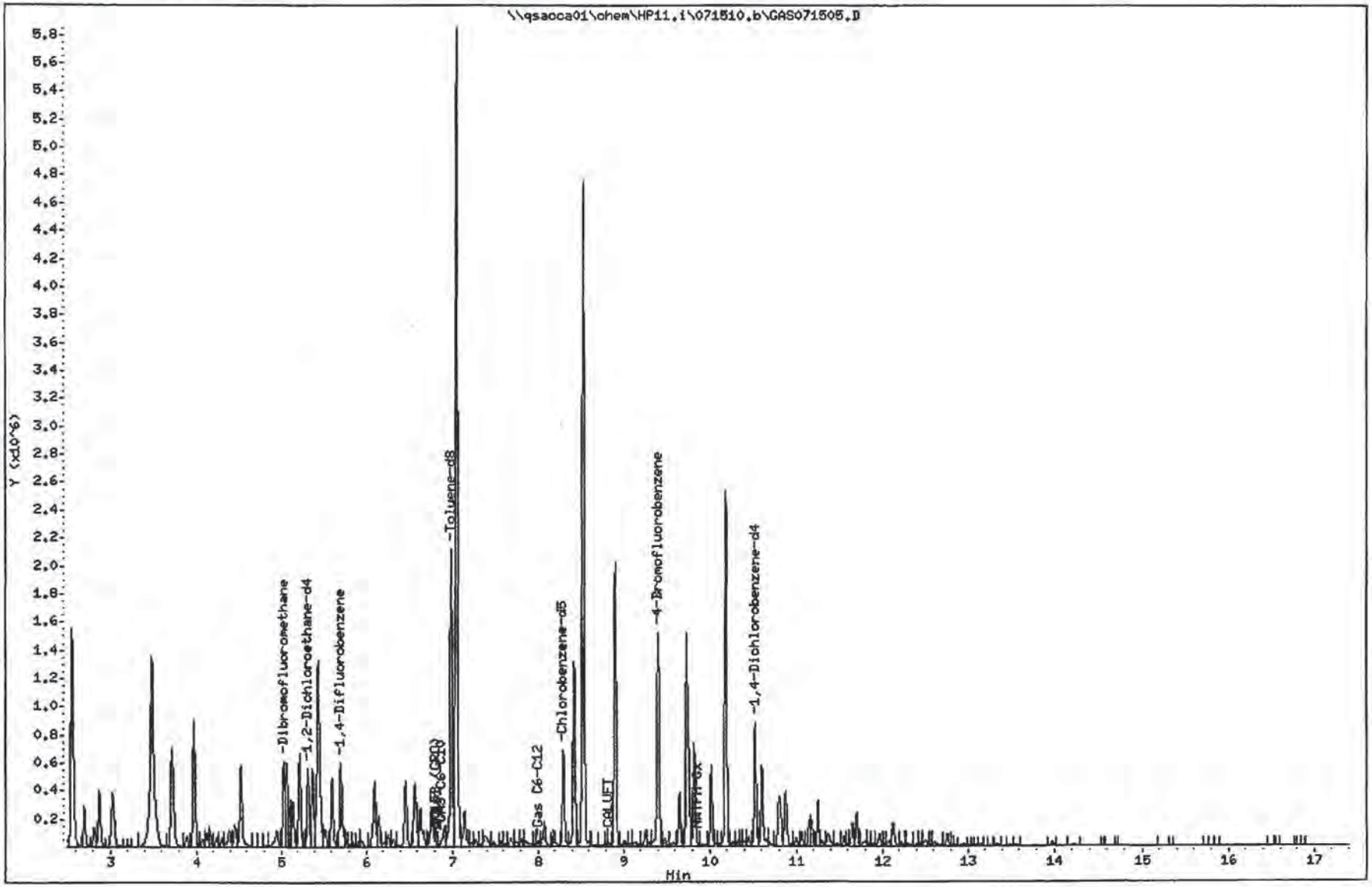
Sample Info: GAS_2500;CG;1;;5;;1

Column phase: J&W DB-624

Instrument: HP11.i

Operator: RRT

Column diameter: 0.53



Test America West Sacramento (916) 373 - 5600

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071506.D
Lab Smp Id:
Inj Date : 15-JUL-2010 12:44
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_5000;CG;1;;6;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: ESTD
Cal Date : 15-JUL-2010 12:19 Cal File: GAS071505.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

√ 7/19/11

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)	
3 1,4-Difluorobenzene	5.704	5.704	0.000	1880119	50.0000		(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	1559096	50.0000		(a)
8 1,4-Dichlorobenzene-d4	10.523	10.523	0.000	2105047	50.0000		(a)
1 Dibromofluoromethane	5.035	5.035	0.000	1124525	100.000		(a)
2 1,2-Dichloroethane-d4	5.324	5.324	0.000	998674	100.000		(a)
5 Toluene-d8	6.990	6.990	0.000	4198742	100.000		(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	3185163	100.000		(a)
S 147 8015B (GRO)	3.400-10.236			135725613	5000.00	5376	
S 148 AK101	3.900-9.770			108475839	5000.00	5357	
S 149 CALUFT	5.550-12.120			110623516	5000.00	5440	
S 150 NWTPH-Gx	6.940-12.805			98634686	5000.00	5495	
S 151 Gas C6-C12	3.900-12.120			137521532	5000.00	5443	
S 152 GAS C6-C10	3.900-9.870			111307120	5000.00	5363	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071506.D
Lab Smp Id:
Inj Date : 15-JUL-2010 12:44
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_5000;CG;1;;6;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: AREA%
Cal Date : 15-JUL-2010 12:19 Cal File: GAS071505.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.145	191593	54438	0.284	0.09	
2.280	15493103	5852506	0.378	7.86	
2.486	301164	165525	0.550	0.15	
2.547	6924128	3263608	0.471	3.51	
2.695	1125619	611464	0.543	0.57	
2.810	572056	299344	0.523	0.29	
2.871	1655351	836427	0.505	0.84	
3.022	2121616	812649	0.383	1.07	
3.225	18910	9701	0.513	0.00	
3.273	20617	8423	0.409	0.01	
5.035	1124525	666265	0.592	0.57	1 Dibromofluoromethan
5.325	998675	580769	0.582	0.50	2 1,2-Dichloroethane-
5.704	1880120	753749	0.401	0.95	3 1,4-Difluorobenzene
6.818	135725613	73075873	0.538	68.90	S 147 8015B (GRO)
3.489	8927548	2862616	0.321		
3.723	3365776	1481155	0.440		
3.891	327408	155821	0.476		
6.835	108475839	59475334	0.548	55.07	S 148 AK101
6.885	111307121	61204618	0.550	56.51	S 152 GAS C6-C10

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.977	3389955	1921287	0.567		
4.067	245821	127914	0.520		
4.122	369695	203079	0.549		
4.164	429361	239872	0.559		
4.235	253596	133173	0.525		
4.299	278430	131887	0.474		
4.389	620104	266273	0.429		
4.457	742503	340327	0.458		
4.524	2531826	1237204	0.489		
4.756	15159	7214	0.476		
4.826	38200	20016	0.524		
4.948	716450	262265	0.366		
5.071	2290728	1271151	0.555		
5.109	814878	570279	0.700		
5.138	1596887	689845	0.432		
5.225	2546852	1465073	0.575		
5.283	96499	59379	0.615		
5.376	2222494	1193666	0.537		
5.450	7103410	2928520	0.412		
5.521	595167	274658	0.461		
5.604	1812351	1061919	0.586		
5.801	61679	39479	0.640		
5.846	134649	76333	0.567		
5.919	146830	81088	0.552		
5.952	202158	105501	0.522		
6.100	2165023	1028089	0.475		
6.148	862322	499803	0.580		
6.206	151085	79866	0.529		
6.257	337238	184101	0.546		
6.325	297575	127361	0.428		
6.411	40324	30025	0.745		
6.463	2015969	1042815	0.517		
6.572	2328955	993974	0.427		
6.633	1043346	602420	0.577		
6.669	454363	264160	0.581		
6.765	1392190	613395	0.441		
6.910	799475	334070	0.418		
7.051	21015997	13214610	0.629		
7.145	1239816	566572	0.457		
7.218	131497	73235	0.557		
7.273	257436	119922	0.466		
7.341	79002	41982	0.531		
7.389	599907	165205	0.275		
7.489	176346	79857	0.453		
7.572	166356	83805	0.504		
7.624	96238	47740	0.496		
7.681	305882	139267	0.455		
7.739	250115	75715	0.303		
7.804	246151	132061	0.537		
7.852	288758	94312	0.327		
7.961	105510	51904	0.492		
7.997	174206	83627	0.480		
8.074	878833	399428	0.454		
8.186	530218	273870	0.517		
8.424	4610534	2780039	0.603		
8.530	17793505	10887660	0.612		
8.588	182057	85076	0.467		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.652	42222	23296	0.552		
8.685	56972	28291	0.497		
8.752	63635	23516	0.370		
8.807	86092	49508	0.575		
8.836	142007	63261	0.445		
8.907	7294230	4462328	0.612		
9.016	212219	84100	0.396		
9.077	175475	49524	0.282		
9.138	186689	66698	0.357		
9.254	525436	272828	0.519		
9.299	110079	64925	0.590		
9.482	317361	124136	0.391		
9.579	150217	41083	0.273		
9.652	1419333	844243	0.595		
9.736	7421961	3374229	0.455		
9.820	2831282	1729284	0.611		
6.990	4198743	2286885	0.545	2.13	5 Toluene-d8
8.010	137521532	75955024	0.552	-209.14	S 151 Gas C6-C12
9.913	73286	31806	0.434		
9.968	41988	21944	0.523		
10.019	2227937	1302115	0.584		
10.112	74432	45374	0.610		
10.186	9380117	5970424	0.636		
10.263	157218	61995	0.394		
10.324	148576	83569	0.562		
10.350	128728	75646	0.588		
10.392	175218	82130	0.469		
10.447	289920	145967	0.503		
10.601	2419023	1309513	0.541		
10.675	162670	78485	0.482		
10.810	2147669	805385	0.375		
10.877	1810535	880066	0.486		
10.996	295410	143297	0.485		
11.064	404225	216552	0.536		
11.148	684742	431397	0.630		
11.180	658687	399879	0.607		
11.254	1104186	678260	0.614		
11.299	163691	83434	0.510		
11.369	504785	201281	0.399		
11.476	114009	34579	0.303		
11.556	278416	151389	0.544		
11.646	687957	362873	0.527		
11.697	902282	539031	0.597		
11.778	98834	76664	0.776		
11.800	151755	83960	0.553		
11.832	125717	70121	0.558		
11.890	87375	40368	0.462		
11.967	432878	186634	0.431		
12.019	105774	56902	0.538		
12.077	176372	99366	0.563		
8.299	1559096	853382	0.547	0.79	6 Chlorobenzene-d5
8.835	110623517	62611942	0.566	56.16	S 149 CALUFT

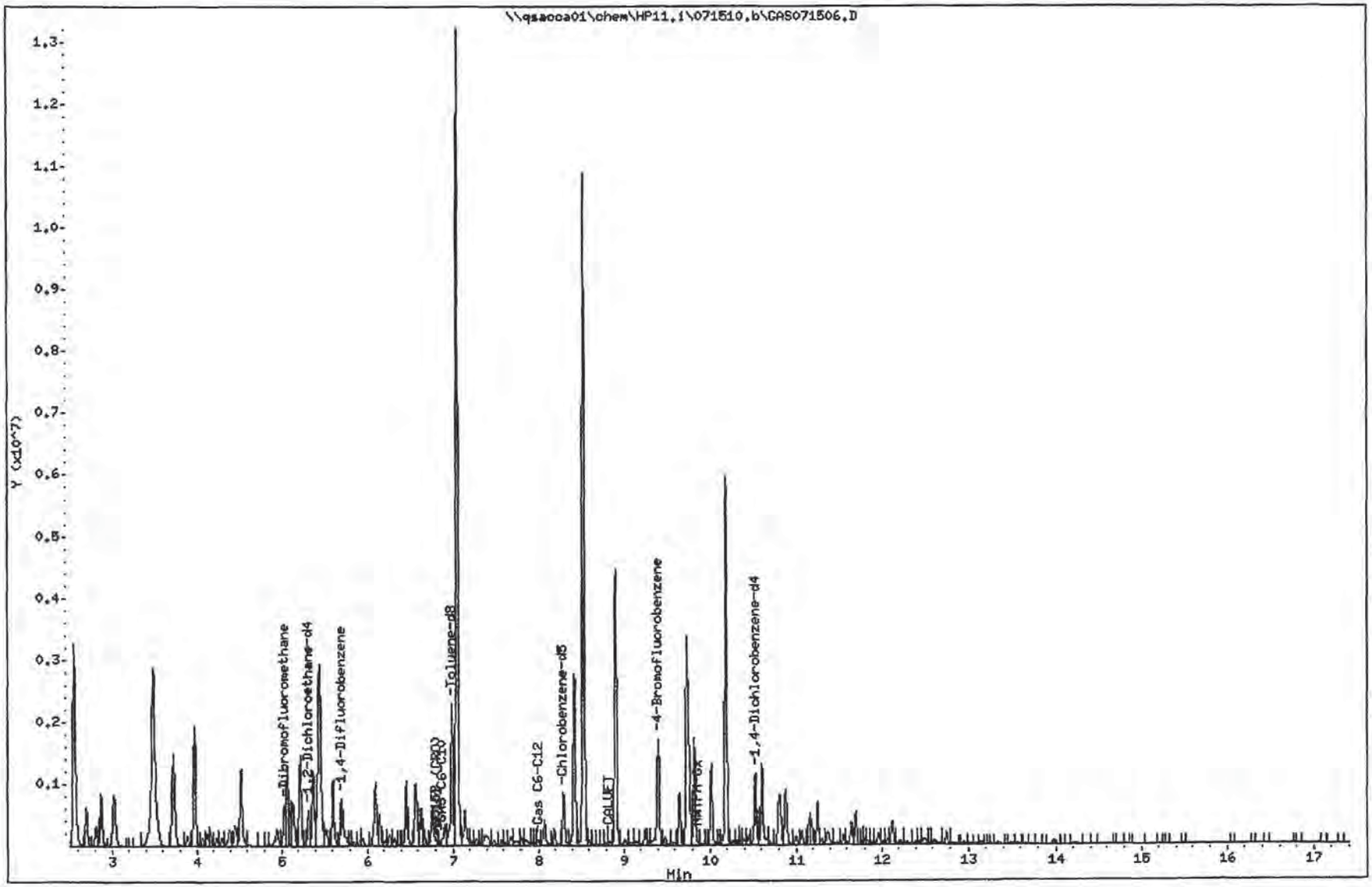
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
9.405	3185163	1701360	0.534	1.61	7 4-Bromofluorobenzen
9.873	98634686	56442807	0.572	50.07	S 150 NWTPH-Gx
12.125	753261	370055	0.491		
12.221	195400	68422	0.350		
12.295	129072	45598	0.353		
12.398	92385	38805	0.420		
12.453	122144	64826	0.531		
12.495	277050	98922	0.357		
12.572	51465	31083	0.604		
12.617	244268	70993	0.291		
12.758	391657	206560	0.527		
10.524	2105047	1159186	0.551	1.06	8 1,4-Dichlorobenzene
12.820	80162	19181	0.239	0.04	
12.910	6602	6523	0.988	0.00	
12.948	108375	37884	0.350	0.05	
13.009	70755	28897	0.408	0.03	
13.093	41324	19666	0.476	0.02	
13.147	87546	47329	0.541	0.04	
13.199	11664	10451	0.896	0.00	
13.263	21415	9966	0.465	0.01	
13.334	115463	36602	0.317	0.05	
13.437	10421	7077	0.679	0.00	
13.488	60141	26417	0.439	0.03	
13.572	50264	22255	0.443	0.02	
13.620	5933	6406	1.080	0.00	
13.649	24434	11029	0.451	0.01	
13.736	23206	7637	0.329	0.01	
13.861	8927	3709	0.415	0.00	
13.980	180637	75057	0.416	0.09	
14.135	10905	4229	0.388	0.00	
14.218	75218	28916	0.384	0.03	
14.434	9145	2951	0.323	0.00	
14.704	3534	2181	0.617	0.00	
14.832	6502	3168	0.487	0.00	
14.945	14145	2812	0.199	0.00	
15.202	14197	4490	0.316	0.00	
15.305	6649	3076	0.463	0.00	
15.485	4271	1979	0.463	0.00	
16.064	3433	2759	0.804	0.00	
16.298	3543	2334	0.659	0.00	
16.437	5167	1676	0.324	0.00	
16.781	3624	2185	0.603	0.00	
16.823	6842	3067	0.448	0.00	
17.128	7972	3138	0.394	0.00	
17.279	10382	3789	0.365	0.00	
	196967289	101814397		100.000	

Total unknown % area = 14.82

Data File: \\qsaoca01\chem\HP11.i\071510.b\GAS071506.D
Date : 15-JUL-2010 12:44
Client ID:
Sample Info: GAS_5000;CC;1;;6;;1

Instrument: HP11.i
Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071507.D
Lab Smp Id:
Inj Date : 15-JUL-2010 13:09
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_10000;CG;1;;7;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: ESTD
Cal Date : 15-JUL-2010 12:44 Cal File: GAS071506.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

7/19/10

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)	
3 1,4-Difluorobenzene	5.707	5.707	0.000	2737481	50.0000		(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	1846004	50.0000		(a)
8 1,4-Dichlorobenzene-d4	10.523	10.523	0.000	2334865	50.0000		(a)
1 Dibromofluoromethane	5.035	5.035	0.000	995189	100.000		(a)
2 1,2-Dichloroethane-d4	5.324	5.324	0.000	1176614	100.000		(a)
5 Toluene-d8	6.990	6.990	0.000	4687576	100.000		(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	3891708	100.000		(a)
S 147 8015B (GRO)	3.400-10.236			313831332	10000.0	12430	
S 148 AK101	3.900-9.770			253909979	10000.0	12540	
S 149 CALUFT	5.550-12.120			257971584	10000.0	12690	
S 150 NWTPH-Gx	6.940-12.805			231480996	10000.0	12900	
S 151 Gas C6-C12	3.900-12.120			316888359	10000.0	12540	
S 152 GAS C6-C10	3.900-9.870			260237154	10000.0	12540	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071507.D
Lab Smp Id:
Inj Date : 15-JUL-2010 13:09
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_10000;CG;1;;7;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: AREA%
Cal Date : 15-JUL-2010 12:44 Cal File: GAS071506.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.141	436372	104245	0.239	0.10	
2.276	37280306	12254414	0.329	8.59	
2.479	622496	337785	0.543	0.14	
2.543	14888298	6756986	0.454	3.43	
2.691	2360782	1285915	0.545	0.54	
2.807	1201710	644064	0.536	0.27	
2.865	3596227	1781462	0.495	0.82	
3.029	4542568	1664850	0.366	1.04	
3.222	39093	19612	0.502	0.00	
3.270	40276	16379	0.407	0.00	
5.035	995190	731063	0.735	0.22	1 Dibromofluoromethan
5.325	1176615	653871	0.556	0.27	2 1,2-Dichloroethane-
5.707	2737481	852335	0.311	0.63	3 1,4-Difluorobenzene
6.818	313831333	171003493	0.545	72.34	S 147 8015B (GRO)
3.485	19251802	6101635	0.317		
3.720	7268635	2944700	0.405		
3.887	712577	350953	0.493		
6.835	253909979	140982959	0.555	58.53	S 148 AK101
6.885	260237155	144853213	0.557	59.98	S 152 GAS C6-C10

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.974	7400387	4251191	0.574		
4.071	512359	282048	0.550		
4.122	844162	454336	0.538		
4.164	947197	553189	0.584		
4.235	529271	280100	0.529		
4.299	624470	284729	0.456		
4.389	1320336	606225	0.459		
4.456	1547723	634705	0.410		
4.524	5454901	2570387	0.471		
4.614	183085	68180	0.372		
4.762	26943	12813	0.476		
4.823	77226	37722	0.488		
4.952	1636125	589520	0.360		
5.071	5029235	2694017	0.536		
5.109	1838782	1143161	0.622		
5.141	3358785	1423570	0.424		
5.225	5494455	3167487	0.576		
5.286	193492	119774	0.619		
5.376	4794412	2640807	0.551		
5.453	15791423	6024070	0.381		
5.524	1312005	590834	0.450		
5.604	4044183	2387205	0.590		
5.800	137255	84197	0.613		
5.845	283368	166399	0.587		
5.919	289365	180656	0.624		
5.948	461733	216237	0.468		
6.099	4632825	2190144	0.473		
6.148	1903821	1057167	0.555		
6.209	329803	174146	0.528		
6.260	745086	395924	0.531		
6.321	621674	264152	0.425		
6.373	77665	55662	0.717		
6.463	4476357	2168974	0.485		
6.575	5089262	2200623	0.432		
6.636	2451629	1377642	0.562		
6.669	908471	576635	0.635		
6.765	3083105	1374930	0.446		
6.910	1796158	730412	0.407		
6.955	700730	521706	0.745		
7.051	50708954	31772918	0.627		
7.144	2805806	1289256	0.459		
7.218	285877	160727	0.562		
7.273	552782	256161	0.463		
7.341	209347	95010	0.454		
7.386	1286942	363123	0.282		
7.485	390938	175466	0.449		
7.569	381000	195356	0.513		
7.620	214076	97361	0.455		
7.681	723004	319417	0.442		
7.743	542582	163378	0.301		
7.804	526623	291030	0.553		
7.852	589829	204588	0.347		
7.923	155979	84651	0.543		
7.968	243266	123169	0.506		
7.997	400444	201696	0.504		
8.074	2062273	957545	0.464		
8.183	1244801	646662	0.519		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.424	10869648	6597816	0.607		
8.533	45038074	28955992	0.643		
8.591	433251	191143	0.441		
8.652	80938	49764	0.615		
8.688	144293	66449	0.461		
8.746	151225	52844	0.349		
8.804	212763	116943	0.550		
8.839	309230	134043	0.433		
8.910	17472861	10955377	0.627		
9.013	518155	196380	0.379		
9.074	209093	113573	0.543		
9.138	639506	152558	0.239		
9.257	1208828	639355	0.529		
9.299	299019	150723	0.504		
9.360	526829	243633	0.462		
9.482	749566	293114	0.391		
9.562	344960	85084	0.247		
9.652	3255255	1974237	0.606		
9.736	17172699	8064741	0.470		
9.820	6327176	3870254	0.612		
6.990	4687576	2653388	0.566	1.08	5 Toluene-d8
8.010	316888360	177265436	0.559	-223.03	S 151 Gas C6-C12
9.916	172335	70344	0.408		
9.964	74024	48693	0.658		
10.019	4955871	2911967	0.588		
10.109	191827	105607	0.551		
10.186	20967107	13616381	0.649		
10.263	348139	135339	0.389		
10.321	316434	170781	0.540		
10.353	234230	157833	0.674		
10.395	423301	179395	0.424		
10.447	602270	312681	0.519		
10.601	5033707	2701091	0.537		
10.678	332779	157772	0.474		
10.800	4436153	1658023	0.374		
10.877	3570135	1883508	0.528		
10.939	143226	65635	0.458		
10.996	629354	303303	0.482		
11.064	828393	454726	0.549		
11.148	1419959	908780	0.640		
11.180	1377029	833339	0.605		
11.254	2301219	1407061	0.611		
11.299	342267	167837	0.490		
11.373	1048936	433795	0.414		
11.479	236536	74033	0.313		
11.553	594115	319205	0.537		
11.649	1504864	798701	0.531		
11.697	2005890	1225218	0.611		
11.778	236328	160340	0.678		
11.800	296798	175547	0.591		
11.832	268838	152488	0.567		
11.890	213306	91635	0.430		
11.967	949586	415825	0.438		
12.019	232604	120258	0.517		
12.077	363644	195082	0.536		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
8.299	1846005	891695	0.483	0.42	6	Chlorobenzene-d5
8.835	257971584	148836571	0.577	59.46	S 149	CALUFT
9.405	3891708	2066599	0.531	0.89	7	4-Bromofluorobenzen
9.873	231480996	135350167	0.585	53.36	S 150	NWTPH-Gx
12.125	1693445	831625	0.491			
12.221	402710	140094	0.348			
12.295	260490	100466	0.386			
12.398	182670	80600	0.441			
12.450	273772	142485	0.520			
12.501	603757	205271	0.340			
12.614	503319	140102	0.278			
12.675	107996	46183	0.428			
12.758	813012	427875	0.526			
10.524	2334865	1131753	0.485	0.53	8	1,4-Dichlorobenzene
12.816	69224	35167	0.508	0.01		
12.861	97179	40057	0.412	0.02		
12.955	220501	82812	0.376	0.05		
13.009	115356	61506	0.533	0.02		
13.048	122488	27637	0.226	0.02		
13.147	206457	96039	0.465	0.04		
13.228	18881	15269	0.809	0.00		
13.266	58571	21578	0.368	0.01		
13.340	229782	78360	0.341	0.05		
13.437	23806	14148	0.594	0.00		
13.491	125886	58449	0.464	0.02		
13.572	104480	48381	0.463	0.02		
13.652	50556	17687	0.350	0.01		
13.729	46588	14260	0.306	0.01		
13.839	16959	6308	0.372	0.00		
13.980	382110	165773	0.434	0.08		
14.125	19124	6549	0.342	0.00		
14.221	147167	58556	0.398	0.03		
14.498	3489	3093	0.886	0.00		
14.536	8729	4877	0.559	0.00		
14.829	4566	2562	0.561	0.00		
14.909	5157	2216	0.430	0.00		
15.134	4069	2819	0.693	0.00		
15.221	18685	6715	0.359	0.00		
15.295	8230	4269	0.519	0.00		
15.479	9846	3102	0.315	0.00		
15.736	3769	3162	0.839	0.00		
16.131	5834	3365	0.577	0.00		
16.356	3807	2081	0.547	0.00		
16.617	6413	2895	0.451	0.00		
16.697	4302	3175	0.738	0.00		
16.758	5033	2821	0.560	0.00		
16.890	4186	2915	0.696	0.00		
16.977	6138	2833	0.462	0.00		
17.073	3739	4577	1.224	0.00		
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Total unknown % area = 15.32

Data File: \\qsacca01\chem\HP11.i\071510.b\GAS071507.D

Date : 15-JUL-2010 13:09

Client ID:

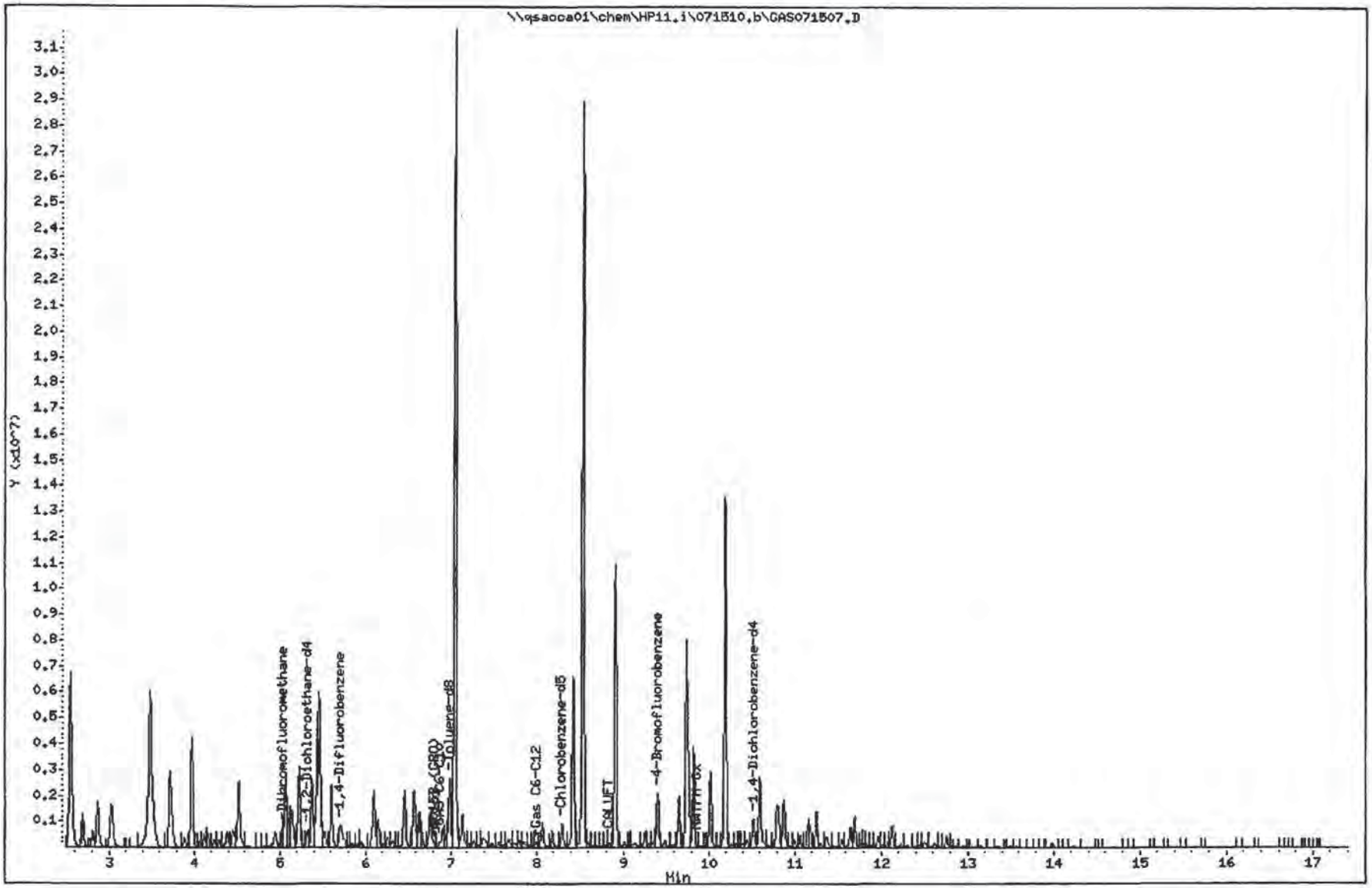
Sample Info: GAS_10000;CG;1;;7;;1

Column phase: J&W DB-624

Instrument: HP11.i

Operator: RRT

Column diameter: 0.53



TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071508.D
Lab Smp Id:
Inj Date : 15-JUL-2010 13:34
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_250000;CG;1;;8;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: ESTD
Cal Date : 15-JUL-2010 13:09 Cal File: GAS071507.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

✓ 9/1/14

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)	
3 1,4-Difluorobenzene	5.720	5.720	0.000	6072278	50.0000		(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	3299484	50.0000		(a)
8 1,4-Dichlorobenzene-d4	10.523	10.523	0.000	4195705	50.0000		(a)
1 Dibromofluoromethane	5.067	5.067	0.000	15705625	100.000		(a)
2 1,2-Dichloroethane-d4	5.321	5.321	0.000	1359115	100.000		(a)
5 Toluene-d8	6.990	6.990	0.000	6469060	100.000		(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	6421529	100.000		(a)
S 147 8015B (GRO)	3.400-10.236			932672261	25000.0	36940	
S 148 AK101	3.900-9.770			745218777	25000.0	36800	(A)
S 149 CALUFT	5.550-12.120			790818995	25000.0	38890	(A)
S 150 NWTPH-Gx	6.940-12.805			704759256	25000.0	39260	(A)
S 151 Gas C6-C12	3.900-12.120			953155940	25000.0	37730	(A)
S 152 GAS C6-C10	3.900-9.870			765289811	25000.0	36880	(A)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS071508.D
Lab Smp Id:
Inj Date : 15-JUL-2010 13:34
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_250000;CG;1;;8;;1
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 16-Jul-2010 13:35 HP11.i Quant Type: AREA%
Cal Date : 15-JUL-2010 13:09 Cal File: GAS071507.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.129	517096	178081	0.344	0.04	
2.251	91390559	29771027	0.326	7.21	
2.466	1624004	780068	0.480	0.12	
2.531	44091967	17853405	0.405	3.48	
2.682	6484364	3310237	0.510	0.51	
2.797	3191291	1621712	0.508	0.25	
2.858	10274896	4649660	0.453	0.81	
3.019	12466671	4703185	0.377	0.98	
3.215	106852	48997	0.459	0.00	
3.264	102115	41843	0.410	0.00	
5.067	15705626	7845054	0.500	1.24	1 Dibromofluoromethan
5.321	1359116	732421	0.539	0.10	2 1,2-Dichloroethane-
5.720	6072278	1711873	0.282	0.47	3 1,4-Difluorobenzene
6.818	932672262	471629980	0.506	73.65	S 147 8015B (GRO)
3.482	56003176	16349583	0.292		
3.720	20953859	8003244	0.382		
3.884	2012330	948295	0.471		
6.835	745218777	378249428	0.508	58.85	S 148 AK101
6.885	765289812	391083475	0.511	60.43	S 152 GAS C6-C10

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.971	21629335	12674727	0.586		
4.064	1453491	807073	0.555		
4.119	2383435	1274252	0.535		
4.161	2686584	1527051	0.568		
4.231	1455365	773715	0.532		
4.296	1762196	796585	0.452		
4.386	3786381	1688475	0.446		
4.456	4577173	1778352	0.389		
4.521	15847772	7163582	0.452		
4.608	452973	208689	0.461		
4.759	70686	35024	0.495		
4.826	222304	102825	0.463		
4.948	4736958	1707235	0.360		
5.109	5332885	3264884	0.612		
5.141	10063814	4033884	0.401		
5.225	17439679	9119012	0.523		
5.376	13616557	7759145	0.570		
5.453	50816600	20170693	0.397		
5.521	4002756	1706165	0.426		
5.604	12281747	7186416	0.585		
5.804	403928	245679	0.608		
5.845	831762	497226	0.598		
5.916	893263	545277	0.610		
5.948	1413814	649842	0.460		
6.099	14338261	6615181	0.461		
6.148	6362156	3415654	0.537		
6.212	1125608	536352	0.476		
6.257	2218757	1156273	0.521		
6.325	2276546	816899	0.359		
6.466	14538738	6875772	0.473		
6.575	16490196	7157598	0.434		
6.636	8196627	4584526	0.559		
6.669	3085033	1964441	0.637		
6.765	10432469	4597048	0.441		
6.913	5773847	2392175	0.414		
6.955	2834301	1706319	0.602		
7.058	125467664	61018443	0.486		
7.148	9300827	4369583	0.470		
7.218	946573	531748	0.562		
7.273	1804506	810639	0.449		
7.337	682394	315144	0.462		
7.386	4305153	1233549	0.287		
7.489	1344485	608418	0.453		
7.572	1327681	684143	0.515		
7.624	667884	327723	0.491		
7.681	2562035	1138039	0.444		
7.743	1791490	541874	0.302		
7.804	1770037	1000093	0.565		
7.855	2100498	684042	0.326		
7.916	323341	284211	0.879		
7.961	918163	394578	0.430		
7.997	1383983	692806	0.501		
8.074	7131651	3292720	0.462		
8.183	4232217	2257424	0.533		
8.427	37179013	23117281	0.622		
8.540	131262771	69305867	0.528		
8.595	1333989	631431	0.473		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
8.652	274758	153663	0.559		
8.688	433734	206356	0.476		
8.752	472933	166762	0.353		
8.804	738783	377145	0.510		
8.839	920242	429695	0.467		
8.910	58666496	37489363	0.639		
9.013	1543043	631235	0.409		
9.077	672841	348081	0.517		
9.103	586606	362944	0.619		
9.135	1387342	479271	0.345		
9.257	3652966	1899144	0.520		
9.299	870949	473582	0.544		
9.360	1693944	760356	0.449		
9.485	2318116	923605	0.398		
9.569	508992	265910	0.522		
9.601	495034	251322	0.508		
9.652	10054553	6280489	0.625		
9.739	56257092	25976703	0.462		
9.823	20071034	12834047	0.639		
6.990	6469061	3376182	0.522	0.51	5 Toluene-d8
8.010	953155941	498453322	0.523	-228.20	S 151 Gas C6-C12
9.913	496955	213760	0.430		
9.964	268941	142994	0.532		
10.019	15125520	9437409	0.624		
10.074	422013	271788	0.644		
10.112	590502	313897	0.532		
10.189	71509155	44865535	0.627		
10.263	1039777	389636	0.375		
10.324	1035003	555557	0.537		
10.353	797850	496385	0.622		
10.395	1166152	532954	0.457		
10.447	2023725	983172	0.486		
10.601	16564679	9235884	0.558		
10.681	1047258	467109	0.446		
10.800	14885715	5594475	0.376		
10.877	12337883	6472059	0.525		
10.942	375686	196460	0.523		
10.996	1993397	903272	0.453		
11.064	2743177	1490827	0.543		
11.148	4772374	3092248	0.648		
11.180	4688946	2881519	0.615		
11.254	7854543	4920848	0.626		
11.299	997025	521436	0.523		
11.369	3356970	1433836	0.427		
11.479	735527	221673	0.301		
11.556	1963764	1024790	0.522		
11.649	4872325	2704172	0.555		
11.701	6356350	3944188	0.621		
11.775	715948	476232	0.665		
11.800	860956	514743	0.598		
11.832	836065	478206	0.572		
11.890	618602	286201	0.463		
11.967	3099241	1407566	0.454		
12.019	689016	372674	0.541		
12.074	1025090	526342	0.513		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
8.299	3299484	1224574	0.371	0.26	6	Chlorobenzene-d5
8.835	790818995	421861954	0.533	62.45	S 149	CALUFT
9.405	6421530	3002543	0.468	0.50	7	4-Bromofluorobenzen
9.873	704759257	379286323	0.538	55.65	S 150	NWTPH-Gx
12.125	5352635	2623851	0.490			
12.186	253753	194241	0.765			
12.225	933913	415217	0.445			
12.299	737725	304294	0.412			
12.398	574294	264518	0.461			
12.453	827291	434726	0.525			
12.495	1860206	649940	0.349			
12.610	1441503	420754	0.292			
12.675	290229	118753	0.409			
12.758	2331464	1234434	0.529			
10.524	4195705	1601834	0.382	0.33	8	1,4-Dichlorobenzene
12.813	150695	84459	0.560	0.01		
12.865	267062	108908	0.408	0.02		
12.948	683257	255712	0.374	0.05		
13.006	346533	178498	0.515	0.02		
13.054	263196	81342	0.309	0.02		
13.147	577600	276937	0.479	0.04		
13.221	89044	36574	0.411	0.00		
13.266	130925	58473	0.447	0.01		
13.337	731845	232506	0.318	0.05		
13.488	351575	161909	0.461	0.02		
13.569	290483	133979	0.461	0.02		
13.652	138915	43116	0.310	0.01		
13.742	117879	38266	0.325	0.00		
13.791	47617	15469	0.325	0.00		
13.884	35791	14119	0.394	0.00		
13.980	949956	435505	0.458	0.07		
14.131	46882	15093	0.322	0.00		
14.221	330359	145784	0.441	0.02		
14.286	39513	14312	0.362	0.00		
14.360	32541	9138	0.281	0.00		
14.485	7434	4930	0.663	0.00		
14.517	4678	4479	0.958	0.00		
14.710	10883	3884	0.357	0.00		
14.771	5026	2866	0.570	0.00		
14.848	6996	3034	0.434	0.00		
14.916	3868	3671	0.949	0.00		
14.951	24236	6407	0.264	0.00		
15.041	5907	3441	0.583	0.00		
15.196	5995	4278	0.714	0.00		
15.305	16056	5493	0.342	0.00		
15.482	15166	4590	0.303	0.00		
15.591	4858	2039	0.420	0.00		
15.765	8456	4241	0.502	0.00		
16.083	6172	2501	0.405	0.00		
16.327	7277	2217	0.305	0.00		
16.411	10319	3311	0.321	0.00		
16.636	5087	2349	0.462	0.00		
16.745	6885	3149	0.457	0.00		

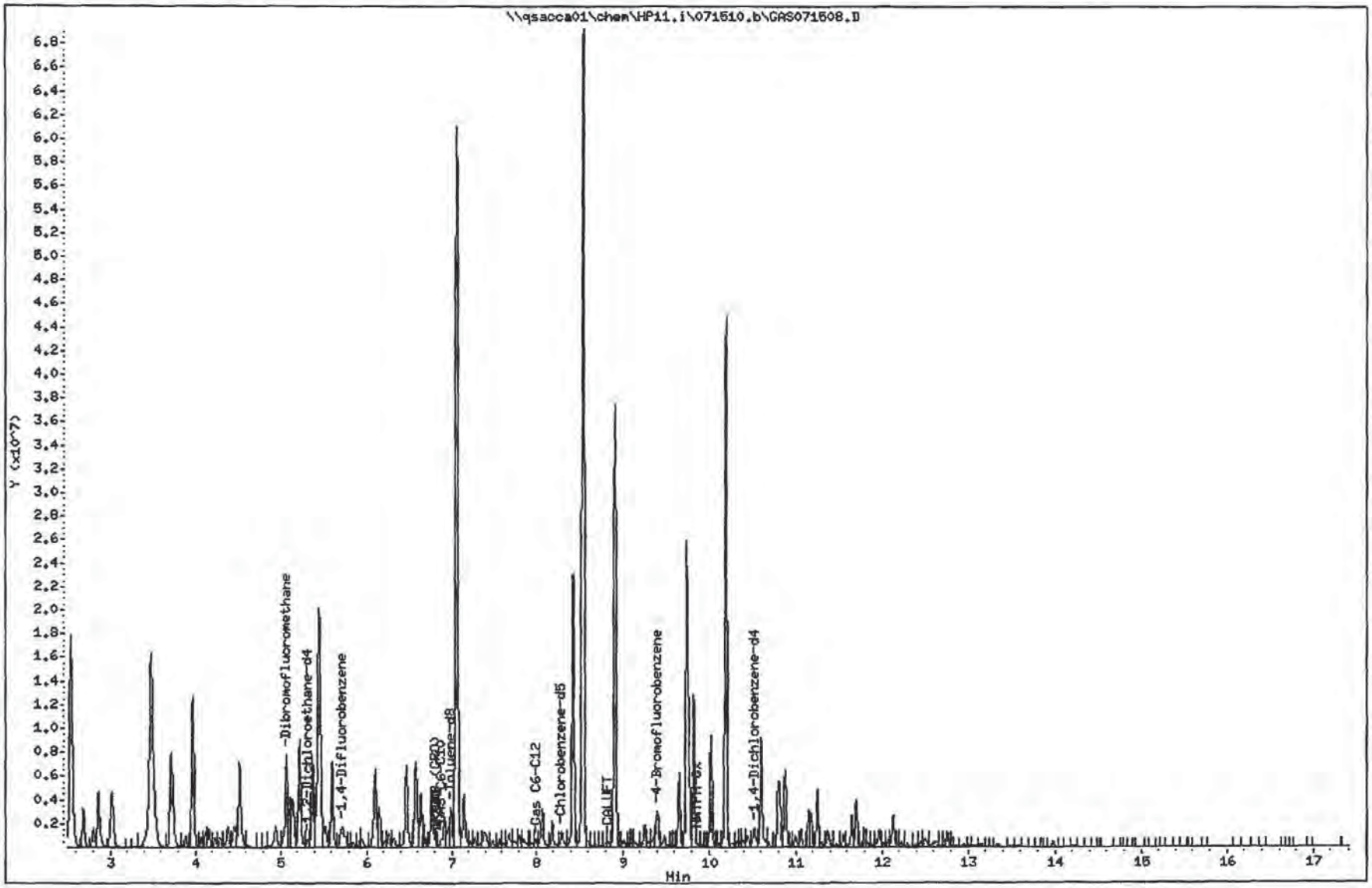
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
16.954	10059	2359	0.235	0.00	
17.314	3425	3468	1.013	0.00	
	1266291379	615280674		100.000	

Total unknown % area = 13.76

Data File: \\qsacca01\chem\HP11.i\071510.b\GAS071508.D
Date : 15-JUL-2010 13:34
Client ID:
Sample Info: GAS_250000;CG;1;;8;;1

Instrument: HP11.i
Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP11.i Injection Date: 15-JUL-2010 15:25
Lab File ID: GAS0715.D Init. Cal. Date(s): 15-JUL-2010 15-JUL-2010
Analysis Type: SOIL Init. Cal. Times: 10:39 13:34
Lab Sample ID: Quant Type: ESTD
Method: \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M

ICV

COMPOUND	RRF / AMOUNT	RF1000	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
3 1,4-Difluorobenzene	++++	22963	0.010	++++	0.000e+000	Averaged	<-
6 Chlorobenzene-d5	++++	23717	0.010	++++	0.000e+000	Averaged	<-
8 1,4-Dichlorobenzene-d4	++++	30578	0.010	++++	0.000e+000	Averaged	<-
1 Dibromofluoromethane	++++	4522	0.010	++++	0.000e+000	Averaged	<-
2 1,2-Dichloroethane-d4	++++	10298	0.010	++++	0.000e+000	Averaged	<-
5 Toluene-d8	++++	37417	0.010	++++	0.000e+000	Averaged	<-
7 4-Bromofluorobenzene	++++	25842	0.010	++++	0.000e+000	Averaged	<-
S 147 8015B (GRO)	25247	28160	0.010	11.54065	15.00000	Averaged	
S 148 AK101	20247	22988	0.010	13.53418	20.00000	Averaged	
S 149 CALUFT	20333	22928	0.010	12.76056	15.00000	Averaged	
S 150 NWTPH-Gx	17951	20320	0.010	13.19625	15.00000	Averaged	
S 151 Gas C6-C12	25264	28960	0.010	14.62745	15.00000	Averaged	
S 152 GAS C6-C10	20753	23576	0.010	13.60317	20.00000	Averaged	

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS0715.D
Lab Smp Id:
Inj Date : 15-JUL-2010 15:25
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_1000;CG;2;;4;;2
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 19-Jul-2010 10:32 gainesc Quant Type: ESTD
Cal Date : 15-JUL-2010 13:34 Cal File: GAS071508.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

✓ 8/17/10

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)	
3 1,4-Difluorobenzene	5.704	5.720	-0.016	1148147	50.0000		(a)
6 Chlorobenzene-d5	8.298	8.298	0.000	1185832	50.0000		(a)
8 1,4-Dichlorobenzene-d4	10.527	10.523	0.004	1528901	50.0000		(a)
1 Dibromofluoromethane	5.067	5.067	0.000	452217	100.000		(a)
2 1,2-Dichloroethane-d4	5.324	5.321	0.003	1029832	100.000		(a)
5 Toluene-d8	6.990	6.990	0.000	3741714	100.000		(a)
7 4-Bromofluorobenzene	9.404	9.404	0.000	2584171	100.000		(a)
S 147 8015B (GRO)	3.400-10.236			28160467	1000.00	1115	
S 148 AK101	3.900-9.770			22987828	1000.00	1135	
S 149 CALUFT	5.550-12.120			22928143	1000.00	1128	
S 150 NWTPH-Gx	6.940-12.805			20319751	1000.00	1132	
S 151 Gas C6-C12	3.900-12.120			28959631	1000.00	1146	
S 152 GAS C6-C10	3.900-9.870			23575995	1000.00	1136	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\qsacca01\chem\HP11.i\071510.b\GAS0715.D
Lab Smp Id:
Inj Date : 15-JUL-2010 15:25
Operator : RRT Inst ID: HP11.i
Smp Info : GAS_1000;CG;2;;4;;2
Misc Info : 2;SOIL;0;TPHALL.sub;;0;;5
Comment :
Method : \\qsacca01\chem\HP11.i\071510.b\8260SGAS.M
Meth Date : 19-Jul-2010 10:32 gainesc Quant Type: AREA%
Cal Date : 15-JUL-2010 13:34 Cal File: GAS071508.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACP414C

Concentration Formula: Amt * DF * Uf * Wsd/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Factor
Wsd	5.000	Default Sample Weight
Ws	5.000	Weight of sample purged
Va	860.000	Vol of extract analyzed
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
2.148	18619	6608	0.355	0.03	
2.286	1435665	531947	0.371	3.06	
2.492	42351	23803	0.562	0.09	
2.553	904354	433560	0.479	1.93	
2.698	172352	90677	0.526	0.36	
2.814	92084	50057	0.544	0.19	
2.871	249423	132506	0.531	0.53	
3.029	344726	125983	0.365	0.73	
3.215	7972	2614	0.328	0.01	
5.067	452217	272520	0.603	0.96	1 Dibromofluoromethan
5.325	1029833	605705	0.588	2.19	2 1,2-Dichloroethane-
5.704	1148147	608852	0.530	2.45	3 1,4-Difluorobenzene
6.818	28160467	15145767	0.538	60.15	S 147 8015B (GRO)
3.489	1554521	522603	0.336		
3.723	613062	286001	0.467		
3.891	64766	32025	0.494		
6.835	22987829	12454433	0.542	49.10	S 148 AK101
6.885	23575995	12803584	0.543	50.36	S 152 GAS C6-C10

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.974	638967	362618	0.568		
4.071	47688	25554	0.536		
4.125	74700	39369	0.527		
4.167	89133	48763	0.547		
4.238	49880	26920	0.540		
4.299	58475	28503	0.487		
4.389	124722	52556	0.421		
4.457	152439	72879	0.478		
4.524	486216	236867	0.487		
4.759	4720	1796	0.381		
4.833	13215	4687	0.355		
4.952	138323	52522	0.380		
5.035	1157478	639268	0.552		
5.109	177350	122386	0.690		
5.141	306810	148523	0.484		
5.225	529288	297014	0.561		
5.379	444088	246051	0.554		
5.447	1411507	593471	0.420		
5.521	126488	57874	0.458		
5.604	388462	223163	0.574		
5.801	18151	9248	0.510		
5.846	28347	18752	0.662		
5.919	30723	18464	0.601		
5.948	47104	23981	0.509		
6.100	457114	218448	0.478		
6.151	186705	108043	0.579		
6.206	35866	20261	0.565		
6.260	78163	43058	0.551		
6.325	64923	28899	0.445		
6.373	21098	7032	0.333		
6.463	421614	222579	0.528		
6.572	487968	214676	0.440		
6.633	315026	126980	0.403		
6.762	302425	126875	0.420		
6.910	168886	68448	0.405		
7.051	4282610	2613407	0.610		
7.148	280127	126650	0.452		
7.222	28812	17684	0.614		
7.273	57205	26101	0.456		
7.341	18611	9937	0.534		
7.386	133000	38411	0.289		
7.485	38542	16639	0.432		
7.572	34350	18209	0.530		
7.620	24825	11698	0.471		
7.685	68561	28824	0.420		
7.730	41630	15988	0.384		
7.804	57311	29257	0.510		
7.849	64828	20835	0.321		
7.929	10985	9159	0.834		
7.964	24030	11821	0.492		
7.997	35226	18382	0.522		
8.074	185533	82935	0.447		
8.183	110832	55284	0.499		
8.424	983695	590972	0.601		
8.479	15349	16395	1.068		
8.530	3646122	2194142	0.602		
8.649	10700	6832	0.639		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
8.743	7950	5487	0.690			
8.810	51509	10857	0.211			
8.907	1483428	904469	0.610			
9.016	45297	17061	0.377			
9.074	21985	11815	0.537			
9.135	64692	15132	0.234			
9.257	106344	57211	0.538			
9.485	67819	25747	0.380			
9.585	53682	20192	0.376			
9.652	298963	180778	0.605			
9.736	1549213	709594	0.458			
9.820	588166	349151	0.594			
6.990	3741715	2201967	0.588	7.99	5	Toluene-d8
8.010	28959631	15867795	0.548	-184.21	S 151	Gas C6-C12
9.910	14246	6537	0.459			
9.968	11887	5923	0.498			
10.019	438013	262890	0.600			
10.112	18365	9690	0.528			
10.186	1869611	1216514	0.651			
10.260	34983	13341	0.381			
10.324	56125	16764	0.299			
10.389	38298	17785	0.464			
10.447	62383	30711	0.492			
10.601	463883	268452	0.579			
10.678	37843	17983	0.475			
10.807	450178	166871	0.371			
10.877	391279	197627	0.505			
10.996	69405	31157	0.449			
11.064	84268	48823	0.579			
11.148	133980	89745	0.670			
11.180	153514	85002	0.554			
11.254	238026	143463	0.603			
11.299	34565	19075	0.552			
11.366	126898	44686	0.352			
11.556	67220	34413	0.512			
11.646	138259	75130	0.543			
11.701	196232	117837	0.600			
11.778	21538	17259	0.801			
11.800	35237	19858	0.564			
11.829	25243	15386	0.610			
11.890	17560	9172	0.522			
11.922	5700	7166	1.257			
11.964	87381	41842	0.479			
12.019	20659	12055	0.584			
12.074	40854	21054	0.515			
8.299	1185833	693594	0.585	2.53	6	Chlorobenzene-d5
8.835	22928144	12810174	0.559	48.97	S 149	CALUFT
9.405	2584171	1552347	0.601	5.52	7	4-Bromofluorobenzen
9.873	20319752	11540170	0.568	43.40	S 150	NWTPH-Gx
12.128	162548	76281	0.469			
12.221	35948	14770	0.411			

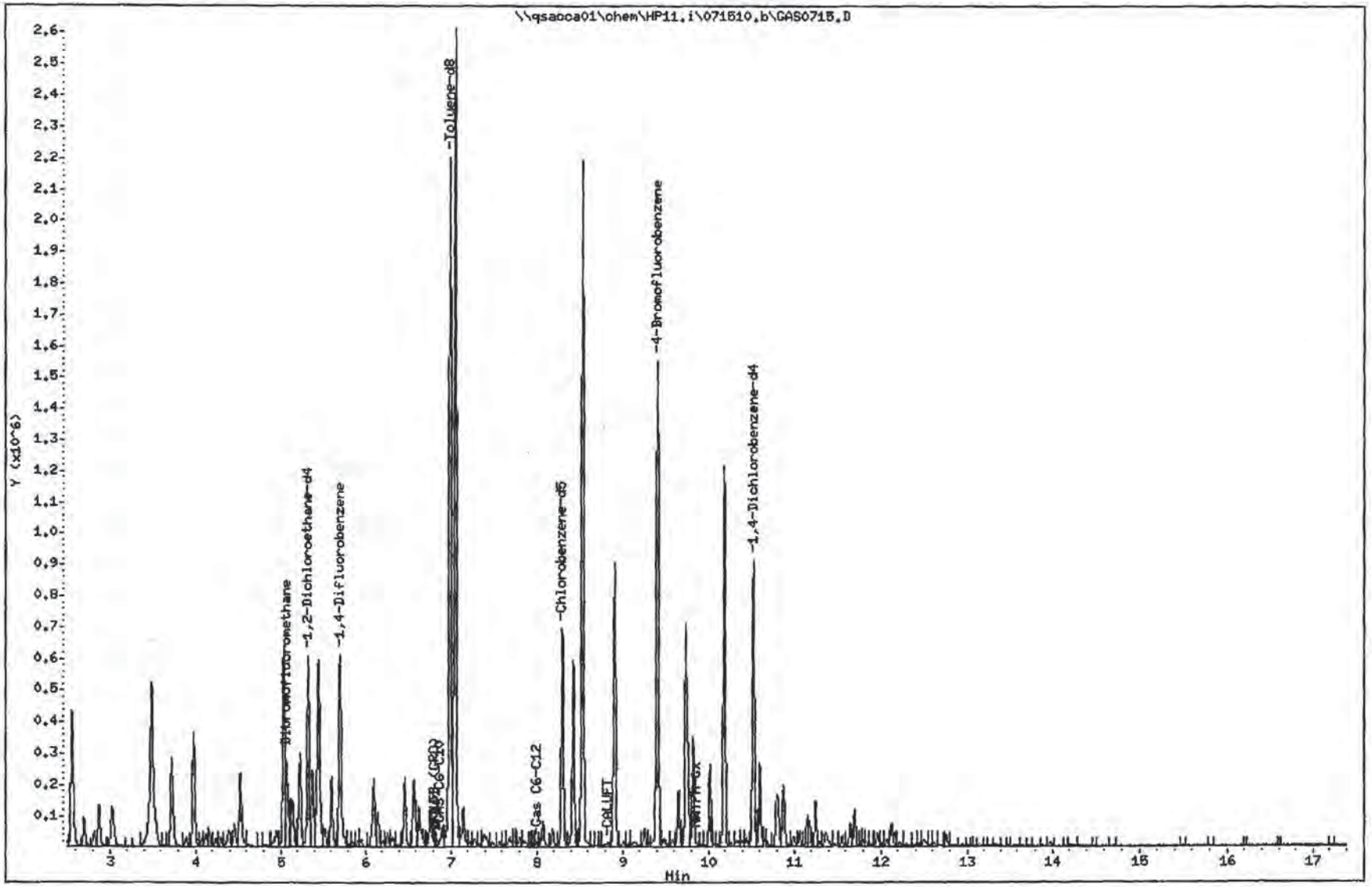
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
12.292	27216	10382	0.381		
12.402	15942	8176	0.513		
12.450	24945	13383	0.537		
12.501	53918	20332	0.377		
12.572	15759	7178	0.455		
12.614	31689	13449	0.424		
12.733	3181	5396	1.696		
12.758	73035	39556	0.542		
10.527	1528901	913416	0.597	3.26	8 1,4-Dichlorobenzene
12.816	15964	5041	0.316	0.03	
12.942	22154	7417	0.335	0.04	
13.003	12183	7215	0.592	0.02	
13.093	11021	5963	0.541	0.02	
13.148	17330	8599	0.496	0.03	
13.228	6033	2789	0.462	0.01	
13.337	20714	7517	0.363	0.04	
13.492	10174	5346	0.525	0.02	
13.559	15456	5083	0.329	0.03	
13.659	8224	3241	0.394	0.01	
13.713	7435	2725	0.367	0.01	
13.787	8371	2259	0.270	0.01	
13.980	28325	12658	0.447	0.06	
14.147	3788	2272	0.600	0.00	
14.225	16800	5605	0.334	0.03	
14.501	3986	2289	0.574	0.00	
14.700	5309	2376	0.448	0.01	
15.508	5177	2994	0.578	0.01	
15.797	5920	2445	0.413	0.01	
16.218	3132	1876	0.599	0.00	
16.598	3594	2088	0.581	0.00	
17.199	8652	3384	0.391	0.01	
	46814268	25264665		100.000	

Total unknown % area = 7.33

Data File: \\qsacca01\chem\HP11.i\071510.b\GAS0715.D
Date : 15-JUL-2010 15:25
Client ID:
Sample Info: GAS_1000;CC;2;;4;;2

Instrument: HP11.i
Operator: RRT
Column diameter: 0.53

Column phase: J&W DB-624



Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
Method 5035 Preservation
(Soil)

Batch Page 1 of 3

- Aliquots A and B contain ~~equivalent of 1 g of sodium bisulfate with~~ 5 mL of organic-free reagent water.

Lot IDs: G0K200425							Method (circle one): 8260B / CA-LUFT			
Sample ID	Aliquots (wt. in g) A	Encore ID # / Vial ID #	B	Encore ID # / Vial ID #	C	Encore ID # / Vial ID #	Date / Initials	Time	48hr HT met?	Comments
1	5.31	1/3	5.20	1/4			WT 11/20/10	↑		1-7, 9-12 3x H_2O 1x MeOH
	5.87	1/5			5.53	1/6		1401	Y	#8 (2x H_2O 1x MeOH x 4
2	5.73	1/3	4.85	1/4	~~5.98~~ WT 11/20/10			↑		
	5.98	1/5			4.94	1/6		1406	Y	
3	6.41	1/3	6.16	1/4				↑		
	5.53	1/5			6.13	1/6		1411	Y	
4	5.87	3/1	4.06	3/2				↑		
	5.12	3/5			5.28	3/6		1415	Y	
5	6.52	1/3	5.25	1/4				↑		
	5.40	1/5			5.62	1/6	↓	1418	Y	

- Aliquot C contains 25 mL / 5 mL (circle one) of purge and trap reagent grade methanol.
- [1] Sample effervescence observed – Aliquot B preserved in H_2O (then frozen)

Spike Mix	Standard ID	Initial Spike Conc.	Initial Spike Volume	Final Volume	Final Conc.
IS					
Surrogate					
TCL-A					
TCL-B					
Odd Mix					
Vinyl Acetate					

Analyst/Date: WT 11/20/10

Preservation Solvent/Lot: DB322 (MeOH) VOA free H2O 112010

Spike Witness/Date: _____

Page: 13

TestAmerica West Sacramento
Method 5035 Preservation
(Soil)

Batch Page 2 of 3

WT 11/20/10

- Aliquots A and B contain ~~equivalent of 1 g of sodium bisulfate with~~ 5 mL of organic-free reagent water.

Lot IDs: G0K200425 — Method (circle one): 8260B / CA-LUFT

Sample ID	Aliquots (wt. in g) A	Encore ID # / Vial ID #	B	Encore ID # / Vial ID #	C	Encore ID # / Vial ID #	Date / Initials	Time	48hr HT met?	Comments
6	6.38	2/4	6.06	2/5			WT 11/20/10	↑		
	5.70	2/6			6.23	2/7		1425	Y	
7	6.17	3/1	6.62	3/4				↑		
	5.65	3/5			6.06	3/6		1430	Y	
8	6.17	8/1	5.75	8/2	6.43	8/3		1435	Y	
	6.33	8/4	5.95	8/5	6.03	8/6		1437	Y	
	5.86	8/7	6.48	8/10	5.63	8/11		1439	Y	
	6.12	8/12	6.23	8/13	6.27	8/14		1441	Y	
9	6.28	2/1	5.16	2/4				↑		
	6.29	2/5			6.43	2/6	↓	1443	Y	

- Aliquot C contains 25 mL / 5 mL (circle one) of purge and trap reagent grade methanol.
- [1] Sample effervescence observed – Aliquot B preserved in H_2O (then frozen)

Spike Mix	Standard ID	Initial Spike Conc.	Initial Spike Volume	Final Volume	Final Conc.
IS					
Surrogate					
TCL-A					
TCL-B					
Odd Mix					
Vinyl Acetate					

Analyst/Date: WT 11/20/10

Preservation Solvent/Lot: DB322 (MeOH) VOC-free H_2O: 112016

Witness/Date: _____

Page: 14

TestAmerica West Sacramento
Method 5035 Preservation
(Soil)

WT 11/20/10

Batch Page 3 of 3

- Aliquots A and B contain ~~equivalent of 1 g of sodium bisulfate with~~ 5 mL of organic-free reagent water.

Lot IDs: G0K200425

Method (circle one): 8260B / CA-LUFT

Sample ID	Aliquots (wt. in g) A	Encore ID # / Vial ID #	B	Encore ID # / Vial ID #	C	Encore ID # / Vial ID #	Date / Initials	Time	48hr HT met?	Comments
10	6.05	1/3	6.11	1/4			WT 11/20/10	↑		
	5.76	1/5			6.16	1/6	↓	1448	Y	
11	6.24	2/1	6.61	2/4				↑		
	6.49	2/5			6.26	2/6		1452	Y	
12	6.55	2/1	5.19	2/4				↑		
	6.15	2/5			5.76	2/6	↓	1456	Y	

- Aliquot C contains 25 mL / 5 mL (circle one) of purge and trap reagent grade methanol.
- [1] Sample effervescence observed – Aliquot B preserved in H_2O (then frozen)

Spike Mix	Standard ID	Initial Spike Conc.	Initial Spike Volume	Final Volume	Final Conc.
IS					
Surrogate					
TCL-A					
TCL-B					
Odd Mix					
Vinyl Acetate					

Analyst/Date: WT 11/20/10

Preservation Solvent/Lot: DB322 (MeOH) Verified 11/20/10

Spike Witness/Date: _____

Page: 15

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/21/10
Time: 22:35:04

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGrou
_ Bench Sheet Copied per COC

Extractionist: _____
_____
Concentrationist: _____
_____

****
* *
* **QC BATCH: 0325062** *
* *
****

PREP DATE: 11/20/10 21:09
COMP DATE: 11/20/10 21:09

Reviewer/Date: _____ / 0/00/00

Volatile Organics, GC/MS (8260B)
PURGE AND TRAP - Lab Preserved Low Level - Solids

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJT	ADJ2	SOLVENTS EXTRACTION VOL	SOLVENTS EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
11/21/10	12/09/10	G0K200425-001 **MAC5G-1-AC**	D	4D	QK	SOLID	**5.31g** 5.00mL	NA	NA	NA	.0	.0	
COMMENTS:													
11/21/10	12/09/10	G0K200425-002 **MAC5K-1-AC**	D	4D	QK	SOLID	**5.73g** 5.00mL	NA	NA	NA	.0	.0	
COMMENTS:													
11/21/10	12/09/10	G0K200425-003 **MAC5L-1-AC**	D	4D	QK	SOLID	**6.41g** 5.00mL	NA	NA	NA	.0	.0	
COMMENTS:													
11/21/10	12/09/10	G0K200425-004 **MAC5M-1-AC**	D	4D	QK	SOLID	**5.87g** 5.00mL	NA	NA	NA	.0	.0	
COMMENTS:													
11/21/10	12/09/10	G0K200425-005 **MAC5N-1-AC**	D	4D	QK	SOLID	**6.52g** 5.00mL	NA	NA	NA	.0	.0	
COMMENTS:													
11/21/10	12/09/10	G0K200425-006 **MAC5P-1-AD**	D	4D	QK	SOLID	**6.38g** 5.00mL	NA	NA	NA	.0	.0	
COMMENTS:													
11/21/10	12/09/10	G0K200425-007 **MAC5R-1-AC**	D	4D	QK	SOLID	**6.17g** 5.00mL	NA	NA	NA	.0	.0	
COMMENTS:													

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/21/10
Time: 22:35:04

QC BATCH: 0325062

PREP DATE: 11/20/10 21:09
COMP DATE: 11/20/10 21:09

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
11/21/10	12/09/10	G0K200425-008 **MAC5T-1-AC**	D	4D	QK	SOLID	**6.17g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
11/21/10	12/09/10	G0K200425-008 **MAC5T-1-ADS**	D	4D	QK	SOLID	**5.75g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
11/21/10	12/09/10	G0K200425-008 **MAC5T-1-AED**	D	4D	QK	SOLID	**6.33g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
11/21/10	12/09/10	G0K200425-009 **MAC5V-1-AC**	D	4D	QK	SOLID	**6.28g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
11/21/10	12/09/10	G0K200425-010 **MAC57-1-AC**	D	4D	QK	SOLID	**6.05g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
11/21/10	12/09/10	G0K200425-011 **MAC59-1-AC**	D	4D	QK	SOLID	**6.24g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
11/21/10	12/09/10	G0K200425-012 **MAC6C-1-AC**	D	4D	QK	SOLID	**6.55g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
11/21/10	0/00/00	G0K210000-062 **MADNQ-1-AAB**		4D	QK	SOLID	**5.00g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
11/21/10	0/00/00	G0K210000-062 **MADNQ-1-ACC**		4D	QK	SOLID	**5.00g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
‡

NUMBER OF WORK ORDERS IN BATCH: 16

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/22/10
Time: 16:06:51

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGro
_ Bench Sheet Copied per COC

Extractionist: _____
_____
Concentrationist: _____
_____

Reviewer/Date: _____ / 0/00/00

QC BATCH: 0326482

PREP DATE: 11/20/10 22:03
COMP DATE: 11/20/10 22:03

HYDROCARBONS, TOTAL PETROLEUM BY CALUFT/GCMS
PURGE AND TRAP - Lab Preserved Low Level - Solids

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	11/29/10	G0K200425-001 **MAC5G-1-AD**	DR	4D	7N	SOLID	**5.31g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-002 **MAC5K-1-AD**	DR	4D	7N	SOLID	**5.73g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-003 **MAC5L-1-AD**	DR	4D	7N	SOLID	**6.41g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-004 **MAC5M-1-AD**	DR	4D	7N	SOLID	**5.87g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-005 **MAC5N-1-AD**	DR	4D	7N	SOLID	**6.52g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-006 **MAC5P-1-AG**	DR	4D	7N	SOLID	**6.38g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-007 **MAC5R-1-AD**	DR	4D	7N	SOLID	**6.17g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/22/10
Time: 16:06:51

QC BATCH: 0326482

PREP DATE: 11/20/10 22:03
COMP DATE: 11/20/10 22:03

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH'S INIT	PH'S ADJ1	PH'S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	11/29/10	G0K200425-008 **MAC5T-1-AF**	DR	4D	7N	SOLID	**6.17g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-008 **MAC5T-1-AGS**	DR	4D	7N	SOLID	**5.95g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-008 **MAC5T-1-AHD**	DR	4D	7N	SOLID	**5.86g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-009 **MAC5V-1-AD**	DR	4D	7N	SOLID	**6.28g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-010 **MAC57-1-AD**	DR	4D	7N	SOLID	**6.05g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-011 **MAC59-1-AD**	DR	4D	7N	SOLID	**6.24g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-012 **MAC6C-1-AD**	DR	4D	7N	SOLID	**6.55g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	G0K220000-482 **MAFCG-1-AAB**		4D	7N	SOLID	**5.00g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	G0K220000-482 **MAFCG-1-ACC**		4D	7N	SOLID	**5.00g** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 16

TestAmerica West Sacramento

GC/MS Data Review Checklist

Lot ID: G0K200425 **Method ID:** Volatile Organics, GC/MS (8260B) / CALVFT

Samples: 1 - 8, 8MS, 8SD - 12 11/23/10

NCM: (Y) N

A. Calibration/Instrument Run QC	Analyst	Reviewer	N/A
1. ICAL or ICAL Summary and CCV included.			
2. ICAL, CCV Criteria met.			
3. Peaks correctly ID'd by data system.			
4. Copy of logbook for ICAL included			
5. Tune criteria (including tailing factor and breakdown) met and copy included.			
6. Method Number is identified on data.			
B. QA/QC			
1. Method blank, LCS/LCSD and MS/SD frequencies met.			
2. LCS/LCSD and MB data is included.			
3. LCS/LCSD and MB data are within control limits. If not, NCM is present in Clouseau.			
4. MS/MSD data complete.			
5. Holding Times were met.			
6. All samples within tune time.			
C. Sample Analysis			
1. Logbook copies for all injections made, including ICV standards and ICAL.			
2. Logbooks/prep sheets properly filled out.			
3. Manual Integrations reviewed and appropriate.			
4. All raw data for samples is included (applies to unused data as well)			
5. All analytes correctly reported.			
6. Correct reporting limits used. (based on client request, prep factors, and dilutions)			
7. Spectra present for all positives.			
D. Documentation			
1. Are all nonconformances documented appropriately?			
2. Quantims entry correct, including dates and times.			
3. Appropriate footnotes used.			
4. Report sheets included and error-free.			

Analyst: AB Date: 11/22/10

2nd Level Reviewer: [signature] Date: 11/23/10

Comments: _____

WATER, 8260B, Volatile Organics

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

lcs

ms/sd

sample raw data

ms tune data

TestAmerica West Sacramento
GC/MS VOA INSTRUMENT LOG

Page# 28

8260B / Gas

SOP : WS-MS-0007 Rev# 4.2

Standard ID's

BFB-50	10MSV0086	8260-IS 10MSV0505	8260-SURR 10MSV0503
TCLA	10MSV0492	TCLA SS 10MSV0473	TFT-SURR 10MSV0502
TCLB	10MSV0497	TCLB SS 10MSV0444	
Odd #1	10MSV0493	Odd #1 ss 10MSV0467	WDM 10MSV0012
Odd #2	10MSV0494	Odd #2 SS 10MSV0468	Gasoline (ps) 10MSV0507
VA	10MSV0498	VA SS 10MSV0446	Gasoline (ss) 10MSV0482
AP9A	10MSV0416	AP9A SS 10MSV0409	
AP9B	10MSV0419	AP9B SS 10MSV0422	Gasoline Stock 10MSV0506
ACRLN	10MSV0510	ACRLN SS 10MSV0511	**Second Source used for ICV only**

Inst ID : HP10.i
Batch ID : 112310.B
Matrix : WATER
Level : LOW
Name/date: AD/ 112410

Gas Key: 1=CA-LUFT 2=8015-Mod(C6-C12)
3=AK101 4=NW-TPH
5=Other (C___-C___)

HSL ICAL# 110410 GAS ICAL# 110410 AP9 ICAL# na

Batch#	0328174	0328187	0328188	0328190	0328196
	8260B[✓] Gas[ ]	8260B[ ] Gas[3]	8260B[✓] Gas[ ]	8260B[ ] Gas[1]	8260B[✓] Gas[ ]
Lot(s)#	574, 590	574	601, 602	601, 602	576
Lot(s)#	-	-	602	-	425
QC WO#	MAH2F1AA / AC	MAH281AA, AC AD	MAH3D1AA / AC	MAH3P1AA, AC / AD	MAH391AA / AC

Date	Time	Optr	Sample ID	File ID	Vol or Wt	AS Posn	Vial #	pH <2	Comments
23-NOV-2010	07:43	PD	COB	COB01.D	5 mL	37			BATCH= 0328197
23-NOV-2010	08:06	PD	COB	COB02.D	5 mL	38			LOTS = 576
23-NOV-2010	08:29	PD	COB	COB03.D	5 mL	39			QC = MAH4D1AA, AC AD
23-NOV-2010	08:51	PD	COB	COB04.D	5 mL	40			
23-NOV-2010	09:14	PD	TVPH WDM	WDM123.D	5 mL	41			
23-NOV-2010	09:37	PD	50ng BFB 1ul di	BFB1123.D	0 mL	41			
23-NOV-2010	09:51	PD	GAS 500	GAS1123.D	5 mL	1			
23-NOV-2010	10:14	PD	HSL 20	HSL1123.D	5 mL	2			
23-NOV-2010	10:36	PD	LCS HSL	D1123.D	5 mL	3			
23-NOV-2010	10:59	PD	LCS GAS	G1123.D	5 mL	4			
23-NOV-2010	11:22	PD	LCSD GAS	G1123A.D	5 mL	5			
23-NOV-2010	11:44	PD	COB	COB05.D	5 mL	6			
23-NOV-2010	12:07	PD	VBLNK Aq	W1122.D	5 mL	7			
23-NOV-2010	12:30	PD	L97J51AC G0K170574-1 1X	SA112301.	5 mL	8	5	✓	OK
23-NOV-2010	12:52	PD	L97KF1AA G0K170574-2 1X	SA112302.	5 mL	9	2	✓	OK
23-NOV-2010	13:15	PD	L99L61AA G0K180602-9 1X	SA112303.	5 mL	10	1	✓	OK
23-NOV-2010	13:38	PD	L99L71AA G0K180602-10 1X	SA112304.	5 mL	11	1	✓	OK
23-NOV-2010	14:01	PD	L99LV1AA G0K180601-1 1X	SA112305.	5 mL	12	14	✓	OK
23-NOV-2010	14:23	PD	L99021AA G0K180601-2 1X	SA112306.	5 mL	13	3	✓	OK
23-NOV-2010	14:46	PD	L97KW1AA G0K170576-3 1X	SA112307.	5 mL	14	7	✓	↑ SURR RR to confirm ok gas
23-NOV-2010	15:09	PD	COB	COB06.D	5 mL	15			
23-NOV-2010	15:31	PD	GAS 500	GAS1123A.	5 mL	16			PASS
23-NOV-2010	15:54	PD	COB	COB07.D	5 mL	17			
23-NOV-2010	16:17	PD	MAA741AC G0K190590-4 1X	SA112308.	5 mL	18	8	7	OK confirms prev run
23-NOV-2010	16:40	PD	MAA761AC G0K190590-5 1X	SA112309.	5 mL	19	3	7	↓ SURR RR
23-NOV-2010	17:02	PD	L92L01AA G0K130495-1 1X	SA112310.	5 mL	20	1	7	↓ SURR RR
23-NOV-2010	17:25	PD	L92L21AA G0K130495-3 1X	SA112311.	5 mL	21	1	7	↓ SURR RR
23-NOV-2010	17:48	PD	MAC6D1AA G0K200425-13 1X	SA112312.	5 mL	22	1	✓	↓ SURR RR NO more vials
23-NOV-2010	18:10	PD	MACV01AC G0K190662-8 1X	SA112313.	5 mL	23	20	✓	OK
23-NOV-2010	18:33	PD	MACV41AC G0K190662-12 1X	SA112314.	5 mL	24	7	✓	↑ SURR RR
23-NOV-2010	18:56	PD	MACV51AA G0K190662-13 1X	SA112315.	5 mL	25	1	✓	OK
23-NOV-2010	19:18	PD	MACV21AC G0K190662-10 1X	SA112316.	5 mL	26	6	✓	OK

Sequence continued on next page

TestAmerica West Sacramento

GC/MS VOA INSTRUMENT LOG

Page# 29

Page 2 of Batch 112310.B on Instrument HP10.I

For header information, refer to the first page of this batch's log.

Date	Time	Optr	Sample ID	File ID	Vol or Wt	AS Posn	Vial #	pH <2	Comments
23-NOV-2010	19:41	PD	MACV31AC G0K190662-11 1X	SA112317.	5 mL	27	4	✓	OK
23-NOV-2010	20:04	PD	L97KW1AA G0K170576-3r 1X	SA112318.	5 mL	28	8	✓	confirms prev run OK
23-NOV-2010	20:26	PD	MACV01AH G0K190662-8S 1X	SA112219.	5 mL	29	21	✓	RR
23-NOV-2010	20:49	PD	MACV01AJ G0K190662-8D 1X	SA112220.	5 mL	30	19	✓	RR
23-NOV-2010	21:12	PD	COB	COB08.D	5 mL	31	—	—	
23-NOV-2010	21:59	PD	G0K220531-2 10X	SCREEN01.	0.5 mL	32	2	✓	screens only
23-NOV-2010	22:49	PD	G0K220531-3 10X	SCREEN02.	0.5 mL	33	2	✓	
23-NOV-2010	23:54	PD	G0K220531-4 10X	SCREEN03.	0.5 mL	34	—	—	
24-NOV-2010	07:39	PD	G0K220531-5 10X	SCREEN04.	0.5 mL	35	—	—	misinjection

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8260/GAS/AP9 CCV Checklist

Instrument:HP10

ICAL Date: HSL110410, GAS110410

Initiator/ Date: PD November 23, 2010

Reviewer/Date: 11/24/10

Matrix: Water

BFB ID: BFB1123

Standard ID: HSL1123, GAS1123

Closing gas: GAS1123A

NCM #: None

I: 8260B Criteria

	Initiated	Reviewed
Log Book page included and filled out.	☒	☒
CCV compared to correct ICAL.	☒	☒
Tune documentation is present and meets criteria.	☒	☒
Manual re-integrations are checked, initialed and hardcopies included.	☒	☒
Retention time correct for Isomers and all other analytes.	☒	☒
CCV Internal Standards are within 50-200% of ICAL mid-point.	☒	☒
Samples analyzed within 12 hours of Tune time.	☒	☒
Minimum SPCC RRF and CCC %D criteria met.	☒	☒
Analytes using same quantitation mass and close elution times checked.		

Mass	Target ID#	Analytes		
101	13, 15	Trichlorofluoromethane & Trichlorotrifluoroethane	☒	☒
96	17, 26, 35	1,1-Dichloroethene, trans-1,2-Dichloroethene & cis-1,2-Dichloroethene	☒	☒
43	31, 38	Vinyl Acetate & 2-Butanone	☒	☒
78	44, 47	Benzene & 1,1-Dichloropropene	☒	☒
106, 104	71, 72, 73	Xylenes (m,p) & Xylene (o) & Styrene	☒	☒
105	75, 82, 85, 86	Isopropylbenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene & Sec-Butylbenzene	☒	☒
146	87, 89, 91	1,3-Dichlorobenzene, 1,4-dichlorobenzene & 1,2-Dichlorobenzene	☒	☒
91	79, 81, 83, 90	N-Propylbenzene, 2-Chlorotoluene, 4-Chlorotoluene & N-Butylbenzene	☒	☒
180	93, 96	1,2,4-Trichlorobenzene & 1,2,3-Trichlorobenzene	☒	☒

II: AFCEE 3.1, 4.0, and DOD QSM V4 QAPP Criteria

	Initiated	Reviewed
All analytes in CCV +/- 20%D compared to ICAL.	☒	☒
CCV and Sample Internal Standards are within 50-200% of ICAL mid-point.	☒	☒
Are the compounds which required manual integrations documented in the MI spreadsheet?	☒	☒

III: DOD QSM V3 Criteria

	Initiated	Reviewed
CCCs must be ≤ 20% D.	☒	☒
RRFs for SPCCs must meet minimum response factor criteria	☒	☒
CCV and sample Internal Standards are within 50-200% of ICAL mid-point.	☒	☒
Are the compounds which required manual integrations documented in the MI spreadsheet?	☒	☒

IV: Gas Criteria

	Initiated	Reviewed
CCV and alternate level must be < 15% D. **(20%D for AK101)**	☒	☒
CCV compared to correct ICAL.	☒	☒
Window Defining Mix is present and retention times are correct.	☒	☒

V: Analytes Over 20%D (Write compound and %D)

None

TestAmerica

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\BFB1123.D
Lab Smp Id: bfb
Inj Date : 23-NOV-2010 09:37
Operator : PD Inst ID: HP10.i
Smp Info : 50ng BFB 1ul di;PD
Misc Info : 1;WATER;0;3_bfb.sub;;0;5
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\390BFB10.m
Meth Date : 11-Nov-2010 07:43 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 41 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3_BFB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SACPC

PD
112310

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb10						CAS #: 460-00-4		
3.337	3.338	(0.000)	95	827968			0.00- 100.00	86.05
3.337	3.338	(0.000)	50	141120			15.00- 40.00	17.04
3.337	3.338	(0.000)	75	375616			30.00- 60.00	45.37
3.337	3.338	(0.000)	96	54296			5.00- 9.00	6.56
3.337	3.338	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
3.337	3.338	(0.000)	174	962240			50.00- 0.00	116.22
3.337	3.338	(0.000)	175	68504			5.00- 9.00	7.12
3.337	3.338	(0.000)	176	947904			95.00- 101.00	98.51
3.337	3.338	(0.000)	177	59880			5.00- 9.00	6.32

Data File: \\terastation\share\VOAdata\HP10.I\112310.B\BFB1123.D

Date : 23-NOV-2010 09:37

Client ID:

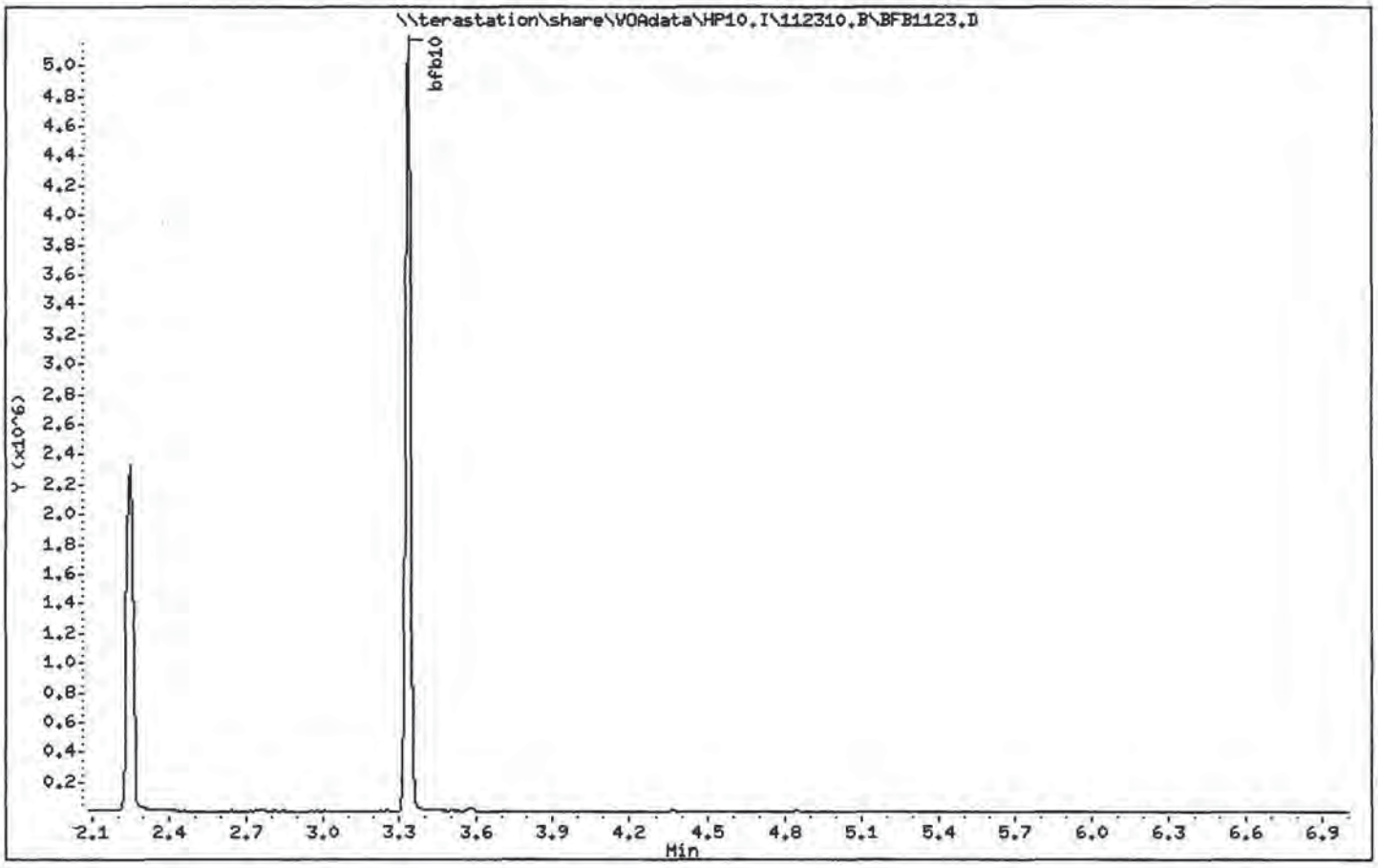
Instrument: HP10.i

Sample Info: 50ng BFB 1ul di;PD

Operator: PD

Column phase:

Column diameter: 2.00



Data File: \\terastation\share\VOAdata\HP10.I\112310.B\BFB1123.D

Date : 23-NOV-2010 09:37

Client ID:

Instrument: HP10.i

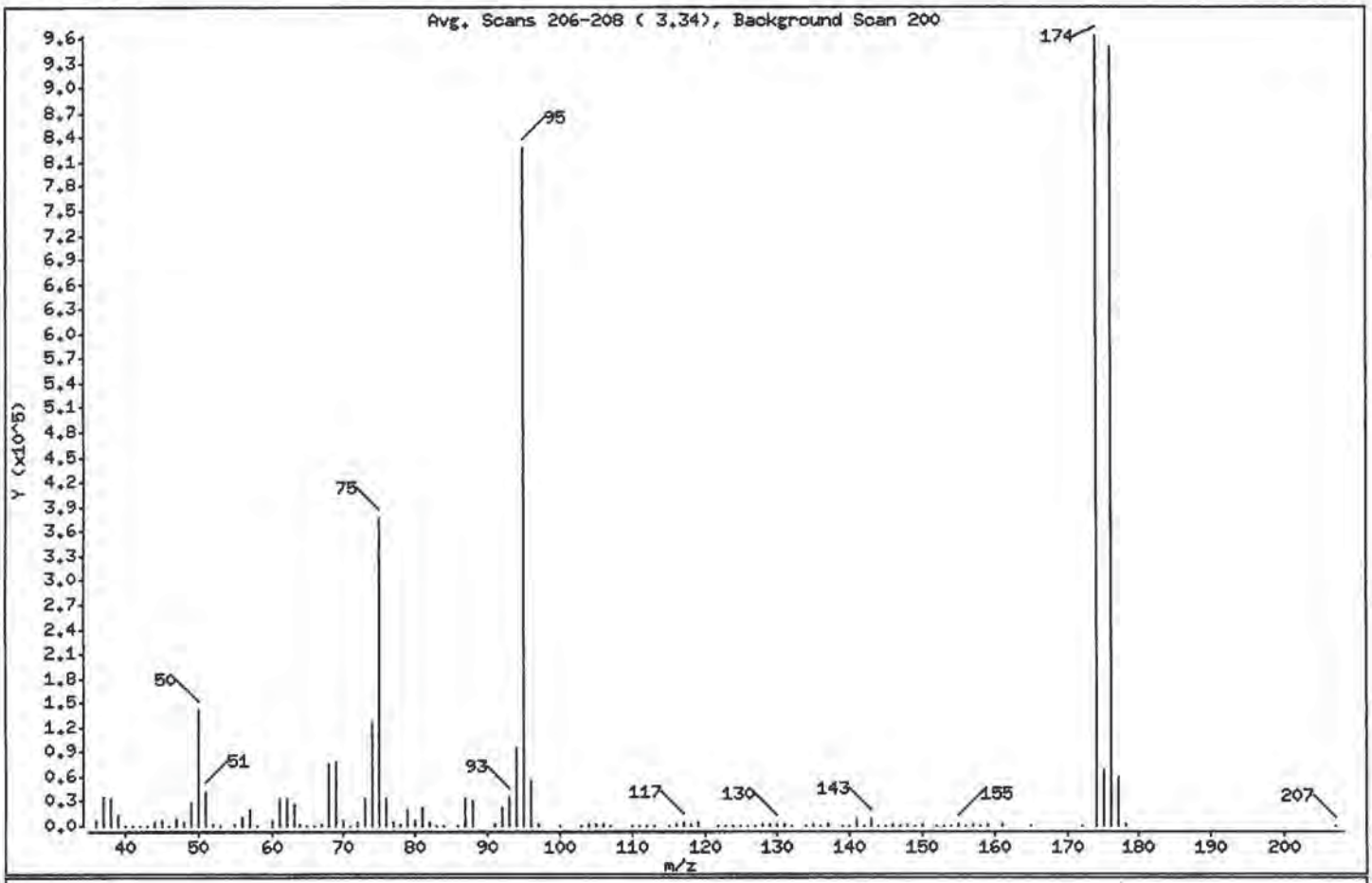
Sample Info: 50ng BFB 1ul di;PD

Operator: PD

Column phase:

Column diameter: 2.00

1 bfb10



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.04
75	30.00 - 60.00% of mass 95	45.37
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	116.22
175	5.00 - 9.00% of mass 174	8.27 (7.12)
176	95.00 - 101.00% of mass 174	114.49 (98.51)
177	5.00 - 9.00% of mass 176	7.23 (6.32)

Date : 23-NOV-2010 09:37

Client ID:

Instrument: HP10.i

Sample Info: 50ng BFB 1ul di:PD

Operator: PD

Column phase:

Column diameter: 2.00

Data File: BFB1123.D
Spectrum: Avg. Scans 206-208 (3.34), Background Scan 200
Location of Maximum: 174.00
Number of points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6742	68.00	75856	105.00	1157	142.00	907
37.00	35664	69.00	77176	106.00	3143	143.00	9287
38.00	33256	70.00	6031	107.00	738	144.00	677
39.00	12446	71.00	222	110.00	449	145.00	866
40.00	336	72.00	3631	111.00	786	146.00	1508
41.00	263	73.00	32624	112.00	461	147.00	543
42.00	87	74.00	125016	113.00	773	148.00	2197
43.00	481	75.00	375616	115.00	874	149.00	759
44.00	3954	76.00	32152	116.00	2678	150.00	1203
45.00	6435	77.00	4436	117.00	5112	152.00	374
46.00	715	78.00	2866	118.00	2963	153.00	698
47.00	9241	79.00	20728	119.00	4211	154.00	775
48.00	4194	80.00	6333	122.00	161	155.00	2133
49.00	28808	81.00	21896	123.00	276	156.00	349
50.00	141120	82.00	4783	124.00	494	157.00	1923
51.00	42856	83.00	620	125.00	346	158.00	70
52.00	1732	84.00	83	126.00	256	159.00	1142
53.00	100	86.00	953	127.00	236	161.00	1237
55.00	2087	87.00	33032	128.00	2737	165.00	67
56.00	10859	88.00	31808	129.00	1351	172.00	356
57.00	20336	91.00	2581	130.00	2958	174.00	962240
58.00	948	92.00	22232	131.00	1198	175.00	68504
60.00	5715	93.00	34416	132.00	177	176.00	947904
61.00	34072	94.00	95344	134.00	157	177.00	59880
62.00	32864	95.00	827968	135.00	1577	178.00	1944
63.00	25984	96.00	54296	136.00	254	207.00	39
64.00	2505	97.00	1740	137.00	1413		
65.00	182	100.00	159	139.00	484		
66.00	82	103.00	388	140.00	560		
67.00	1775	104.00	2717	141.00	8948		

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP10.i
Lab File ID: HSL1123.D
Analysis Type: WATER
Lab Sample ID: HSL 20
Method: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m

Injection Date: 23-NOV-2010 10:14
Init. Cal. Date(s): 13-OCT-2010 05-NOV-2010
Init. Cal. Times: 20:20 15:23
Quant Type: ISTD

PD
112310

COMPOUND	RRF / AMOUNT	RF20	CCAL RRF20	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 4 Dibromofluoromethane	0.26246	0.28282	0.28282	0.010	7.75695	40.00000	Averaged
$ 5 1,2-Dichloroethane-d4	0.29043	0.30230	0.30230	0.010	4.08541	40.00000	Averaged
$ 6 Toluene-d8	0.92734	0.92306	0.92306	0.010	-0.46171	40.00000	Averaged
$ 7 4-Bromofluorobenzene	0.43050	0.41999	0.41999	0.010	-2.44009	40.00000	Averaged
$ 136 Trifluorotoluene	0.50374	0.53131	0.53131	0.010	5.47356	40.00000	Averaged
8 Dichlorodifluoromethane	0.22376	0.21645	0.21645	0.010	-3.26435	40.00000	Averaged
9 Chloromethane (**)	0.26120	0.26223	0.26223	0.100	0.39155	40.00000	Averaged
10 Vinyl Chloride (*)	0.26870	0.29121	0.29121	0.010	8.37692	20.00000	Averaged
11 Bromomethane	0.19001	0.20399	0.20399	0.010	7.35744	40.00000	Averaged
12 Chloroethane	0.16585	0.19174	0.19174	0.010	15.61155	40.00000	Averaged
13 Trichlorofluoromethane	0.32885	0.36285	0.36285	0.010	10.33754	40.00000	Averaged
15 Trichlorotrifluoroethane	0.19864	0.21218	0.21218	0.010	6.81749	40.00000	Averaged
17 1,1-Dichloroethene(*)	0.20178	0.22907	0.22907	0.010	13.52039	20.00000	Averaged
18 Acetone	0.15241	0.14142	0.14142	0.010	-7.21266	40.00000	Averaged
21 Carbon disulfide	0.68728	0.61589	0.61589	0.010	-10.38773	40.00000	Averaged
31 Vinyl acetate	0.59198	0.63926	0.63926	0.010	7.98782	40.00000	Averaged
22 Methylene Chloride	0.25236	0.28245	0.28245	0.010	11.92150	40.00000	Averaged
23 t-Butanol	0.06947	0.06783	0.06783	0.001	-2.35103	40.00000	Averaged
25 Methyl-t-butyl-ether	0.65171	0.71886	0.71886	0.010	10.30283	40.00000	Averaged
26 trans-1,2-Dichloroethene	0.26441	0.29834	0.29834	0.010	12.83196	40.00000	Averaged
27 Acrylonitrile	0.15870	0.16516	0.16516	0.010	4.07119	40.00000	Averaged
30 1,1-Dichloroethane (**)	0.41892	0.48500	0.48500	0.100	15.77386	40.00000	Averaged
33 2,2-Dichloropropane	0.29055	0.33249	0.33249	0.010	14.43514	40.00000	Averaged
35 cis 1,2-Dichloroethene	0.28059	0.33089	0.33089	0.010	17.92416	40.00000	Averaged
38 2-Butanone	0.26996	0.23660	0.23660	0.010	-12.35837	40.00000	Averaged
40 Bromochloromethane	0.15560	0.17996	0.17996	0.010	15.65085	40.00000	Averaged
41 Chloroform (*)	0.41467	0.49534	0.49534	0.010	19.45500	20.00000	Averaged
42 1,1,1-Trichloroethane	0.35264	0.40106	0.40106	0.010	13.73115	40.00000	Averaged
43 Carbon Tetrachloride	0.31261	0.34454	0.34454	0.010	10.21655	40.00000	Averaged
44 1,1-Dichloropropene	0.33088	0.36695	0.36695	0.010	10.90225	40.00000	Averaged
47 Benzene	1.01763	1.11793	1.11793	0.010	9.85652	40.00000	Averaged
48 1,2-Dichloroethane	0.33760	0.39427	0.39427	0.010	16.78752	40.00000	Averaged
49 Trichloroethene	0.26267	0.27982	0.27982	0.010	6.52806	40.00000	Averaged
51 1,2-Dichloropropane(*)	0.22717	0.24728	0.24728	0.010	8.84852	20.00000	Averaged
52 Dibromomethane	0.16684	0.18406	0.18406	0.010	10.31731	40.00000	Averaged
53 1,4-Dioxane	500	508	0.00470	0.000	1.68970	40.00000	Quadratic
54 Bromodichloromethane	0.29625	0.32185	0.32185	0.010	8.64122	40.00000	Averaged
55 2-Chloroethyl vinyl ether	0.16305	0.16383	0.16383	0.010	0.47797	40.00000	Averaged
56 cis-1,3-Dichloropropene (xt	0.37635	0.39480	0.39480	0.010	4.90221	40.00000	Averaged
57 4-Methyl-2-pentanone	0.41663	0.44385	0.44385	0.010	6.53224	40.00000	Averaged
58 Toluene (*)	0.65380	0.70493	0.70493	0.010	7.82017	20.00000	Averaged
60 trans-1,3-Dichloropropene(x	0.33920	0.35243	0.35243	0.010	3.90176	40.00000	Averaged

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP10.i
Lab File ID: HSL1123.D
Analysis Type: WATER
Lab Sample ID: HSL 20
Method: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m

Injection Date: 23-NOV-2010 10:14
Init. Cal. Date(s): 13-OCT-2010 05-NOV-2010
Init. Cal. Times: 20:20 15:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF20	CCAL RRF20	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
61 1,1,2-Trichloroethane	0.24017	0.25480	0.25480	0.010	6.09303	40.00000	Averaged
62 Tetrachloroethene	0.40391	0.42502	0.42502	0.010	5.22642	40.00000	Averaged
63 1,3-Dichloropropane	0.49813	0.51243	0.51243	0.010	2.87209	40.00000	Averaged
64 2-Hexanone	0.38548	0.37379	0.37379	0.010	-3.03357	40.00000	Averaged
65 Dibromochloromethane	0.30878	0.30503	0.30503	0.010	-1.21468	40.00000	Averaged
66 1,2-Dibromoethane	0.31271	0.33159	0.33159	0.010	6.03952	40.00000	Averaged
67 1-Chlorohexane	0.41422	0.38994	0.38994	0.010	-5.86066	40.00000	Averaged
68 Chlorobenzene (**)	0.85813	0.92388	0.92388	0.300	7.66234	40.00000	Averaged
69 Ethylbenzene (*)	0.44359	0.48565	0.48565	0.010	9.48170	20.00000	Averaged
70 1,1,1,2-Tetrachloroethane	0.29143	0.32444	0.32444	0.010	11.32487	40.00000	Averaged
71 Xylenes (m,p)	0.56199	0.61862	0.61862	0.010	10.07601	40.00000	Averaged
72 Xylene (o)	0.53583	0.60459	0.60459	0.010	12.83393	40.00000	Averaged
73 Styrene	0.90791	0.99296	0.99296	0.010	9.36755	40.00000	Averaged
74 Bromoform (**)	20.00000	18.14432	0.24555	0.100	-9.27840	40.00000	Quadratic
75 Isopropylbenzene	1.27241	1.43500	1.43500	0.010	12.77769	40.00000	Averaged
77 Bromobenzene	0.73265	0.72132	0.72132	0.010	-1.54735	40.00000	Averaged
78 1,1,2,2-Tetrachloroethane(*	0.72093	0.70478	0.70478	0.300	-2.23938	40.00000	Averaged
79 N-Propylbenzene	2.66536	2.66471	2.66471	0.010	-0.02432	40.00000	Averaged
80 1,2,3-Trichloropropane	0.28865	0.28007	0.28007	0.010	-2.97241	40.00000	Averaged
81 2-Chlorotoluene	1.62210	1.59153	1.59153	0.010	-1.88416	40.00000	Averaged
82 1,3,5-Trimethylbenzene	1.88883	1.94541	1.94541	0.010	2.99561	40.00000	Averaged
83 4-Chlorotoluene	1.85113	1.90158	1.90158	0.010	2.72541	40.00000	Averaged
84 T-Butylbenzene	1.78614	1.80094	1.80094	0.010	0.82841	40.00000	Averaged
85 1,2,4-Trimethylbenzene	1.91538	2.03867	2.03867	0.010	6.43717	40.00000	Averaged
86 Sec-Butylbenzene	2.48026	2.49387	2.49387	0.010	0.54876	40.00000	Averaged
87 1,3-Dichlorobenzene	1.25502	1.30790	1.30790	0.010	4.21398	40.00000	Averaged
88 P-Isopropyltoluene	2.13056	2.23687	2.23687	0.010	4.98980	40.00000	Averaged
89 1,4-Dichlorobenzene	1.32162	1.34475	1.34475	0.010	1.75032	40.00000	Averaged
90 N-Butylbenzene	1.72708	1.77574	1.77574	0.010	2.81721	40.00000	Averaged
91 1,2-Dichlorobenzene	1.21337	1.24253	1.24253	0.010	2.40311	40.00000	Averaged
92 1,2-Dibromo-3-chloropropane	20.00000	16.81778	0.11654	0.010	-15.91112	40.00000	Quadratic
93 1,2,4-Trichlorobenzene	20.00000	19.28076	0.81033	0.010	-3.59621	40.00000	Quadratic
94 Hexachlorobutadiene	0.46789	0.44192	0.44192	0.010	-5.55058	40.00000	Averaged
95 Naphthalene	20.00000	17.83296	1.92643	0.010	-10.83521	40.00000	Quadratic
96 1,2,3-Trichlorobenzene	20.00000	18.45830	0.66830	0.010	-7.70852	40.00000	Quadratic
M 97 1,2-Dichloroethene (Total)	0.27250	0.31461	0.31461	0.010	15.45371	40.00000	Averaged
M 98 Xylenes (Total)	0.55327	0.61394	0.61394	0.010	10.96637	40.00000	Averaged

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP10.i
Lab File ID: HSL1123.D
Analysis Type: WATER
Lab Sample ID: HSL 20
Method: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m

Injection Date: 23-NOV-2010 10:14
Init. Cal. Date(s): 13-OCT-2010 05-NOV-2010
Init. Cal. Times: 20:20 15:23
Quant Type: ISTD

Average %D / Drift Results.
Calculated Average %D/Drift = 7.48423
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP10.i
Lab File ID: GAS1123.D
Analysis Type: WATER
Lab Sample ID:
Method: \\terastation\share\VOAdata\HP10.I\112310.B\8260IIIGAS.m

Injection Date: 23-NOV-2010 09:51
Init. Cal. Date(s): 04-NOV-2010 04-NOV-2010
Init. Cal. Times: 16:31 19:07
Quant Type: ESTD

PD 112310

COMPOUND	RRF / AMOUNT	RF500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
3 1,4-Difluorobenzene	++++	166629	0.010	++++	0.000e+000	Averaged	<-
6 Chlorobenzene-d5	++++	157897	0.010	++++	0.000e+000	Averaged	<-
8 1,4-Dichlorobenzene-d4	++++	180407	0.010	++++	0.000e+000	Averaged	<-
1 Dibromofluoromethane	++++	119018	0.010	++++	0.000e+000	Averaged	<-
2 1,2-Dichloroethane-d4	++++	53487	0.010	++++	0.000e+000	Averaged	<-
5 Toluene-d8	++++	165735	0.010	++++	0.000e+000	Averaged	<-
7 4-Bromofluorobenzene	++++	135523	0.010	++++	0.000e+000	Averaged	<-
152 Trifluorotoluene	++++	151716	0.010	++++	15.00000	Averaged	<-
S 147 8015B (GRO)	108099	104340	0.010	-3.47750	15.00000	Averaged	
S 148 AK101	80908	77853	0.010	-3.77550	20.00000	Averaged	
S 149 CALUFT	91729	86774	0.010	-5.40174	15.00000	Averaged	
S 150 NWTPH-Gx	82265	78393	0.010	-4.70627	15.00000	Averaged	
S 151 Gas C6-C12	109675	104993	0.010	-4.26907	15.00000	Averaged	
S 154 Gas C6-C10	89843	86408	0.010	-3.82347	15.00000	Averaged	

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP10.i Injection Date: 23-NOV-2010 15:31
Lab File ID: GAS1123A.D Init. Cal. Date(s): 04-NOV-2010 04-NOV-2010
Analysis Type: WATER Init. Cal. Times: 16:31 19:07
Lab Sample ID: Quant Type: ESTD
Method: \\terastation\share\VOAdata\HP10.I\112310.B\8260IIIGAS.m

PD 11/24/10

COMPOUND	RRF / AMOUNT	RF1000	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
3 1,4-Difluorobenzene	++++	211093	0.010	++++	0.000e+000	Averaged	<-
6 Chlorobenzene-d5	++++	167964	0.010	++++	0.000e+000	Averaged	<-
8 1,4-Dichlorobenzene-d4	++++	198468	0.010	++++	0.000e+000	Averaged	<-
1 Dibromofluoromethane	++++	182081	0.010	++++	0.000e+000	Averaged	<-
2 1,2-Dichloroethane-d4	++++	53731	0.010	++++	0.000e+000	Averaged	<-
5 Toluene-d8	++++	164434	0.010	++++	0.000e+000	Averaged	<-
7 4-Bromofluorobenzene	++++	134517	0.010	++++	0.000e+000	Averaged	<-
152 Trifluorotoluene	++++	137046	0.010	++++	15.00000	Averaged	<-
S 147 8015B (GRO)	108099	109955	0.010	1.71709	15.00000	Averaged	
S 148 AK101	80908	82181	0.010	1.57440	20.00000	Averaged	
S 149 CALUFT	91729	91988	0.010	0.28232	15.00000	Averaged	
S 150 NWTPH-Gx	82265	82710	0.010	0.54092	15.00000	Averaged	
S 151 Gas C6-C12	109675	111018	0.010	1.22441	15.00000	Averaged	
S 154 Gas C6-C10	89843	90923	0.010	1.20181	15.00000	Averaged	

TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\WDM123.D
Lab Smp Id:
Inj Date : 23-NOV-2010 09:14
Operator : PD Inst ID: HP10.i
Smp Info : TVPH WDM ;PD;1;;3;;1
Misc Info : 1;water;0;TPHALL.sub;;0;5
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\8260IIIGAS.m
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: ESTD
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC

PD
112310

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)	
3	1,4-Difluorobenzene	5.441	5.453	-0.012	1271644			(a)
6	Chlorobenzene-d5	8.026	8.026	0.000	1438956			(a)
8	1,4-Dichlorobenzene-d4	10.247	10.247	0.000	1596733			(a)
1	Dibromofluoromethane	4.778	4.802	-0.024	1184879			(a)
2	1,2-Dichloroethane-d4	5.064	5.064	0.000	1066191			(a)
5	Toluene-d8	6.724	6.725	-0.001	3075762			(a)
7	4-Bromofluorobenzene	9.134	9.134	0.000	2357261			(a)
152	Trifluorotoluene	Compound Not Detected.						
S 147	8015B (GRO)	3.100-10.000			6494605	60.0802	60.08	
S 148	AK101	3.600-9.400			4815121	59.5138	59.51	
S 149	CALUFT	5.270-12.000			4482684	48.8685	48.87	(a)
S 150	NWTPH-Gx	6.750-12.600			4672532	56.7986	56.80	
S 151	Gas C6-C12	3.600-12.000			6004014	54.7436	54.74	
S 154	Gas C6-C10	3.600-9.700			5082676	56.5727	56.57	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\WDM123.D
Lab Smp Id:
Inj Date : 23-NOV-2010 09:14
Operator : PD Inst ID: HP10.i
Smp Info : TVPH WDM ;PD;1;;3;;1
Misc Info : 1;water;0;TPHALL.sub;;0;5
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\8260IIIGAS.m
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: AREA%
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

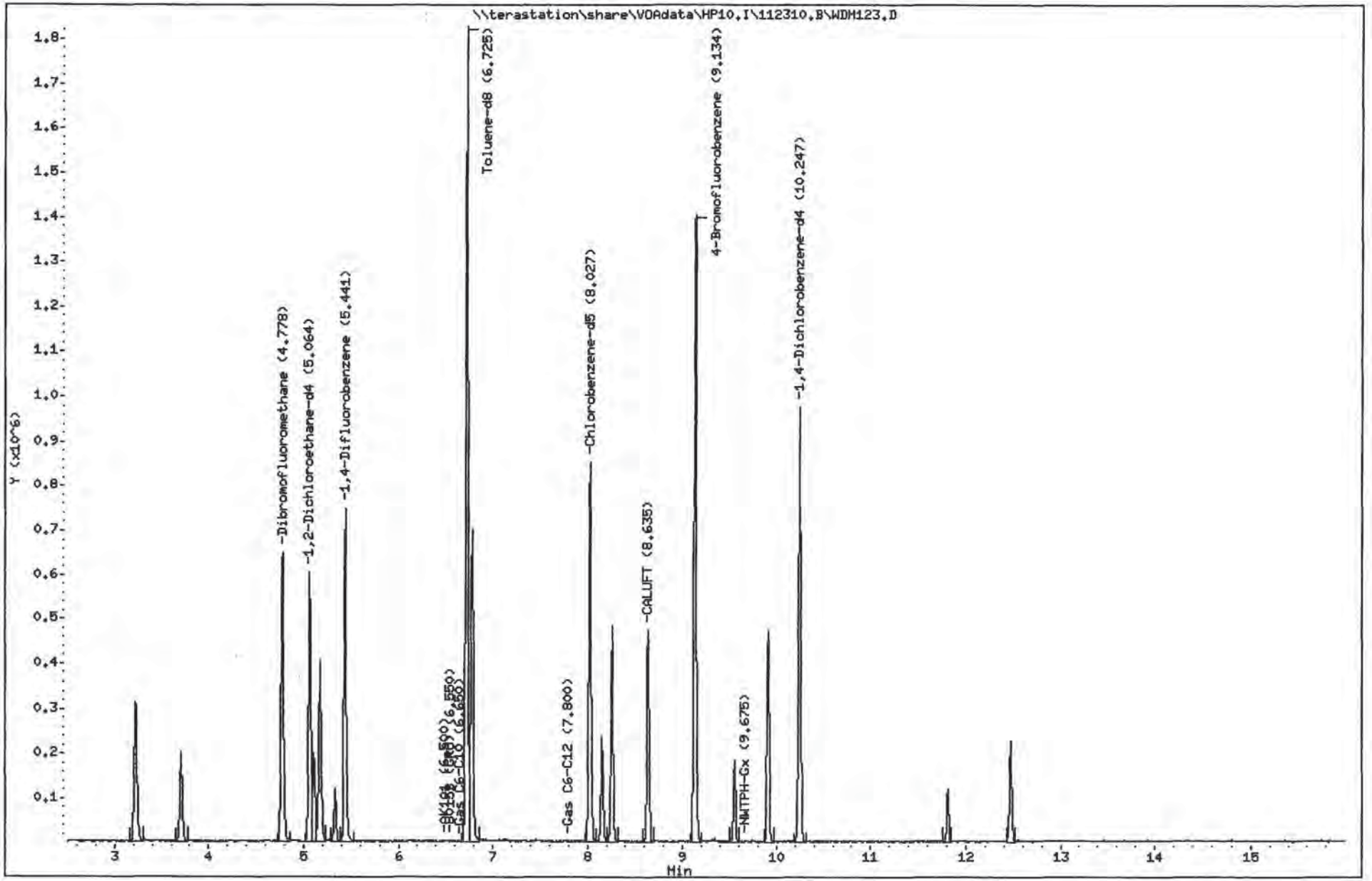
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.778	1184879	650106	0.549	6.21	1 Dibromofluoromethan
5.064	1066192	603934	0.566	5.59	2 1,2-Dichloroethane-
5.441	1271645	746347	0.587	6.67	3 1,4-Difluorobenzene
6.500	4815122	2808196	0.583	25.27	S 148 AK101
6.550	6494605	3773207	0.581	-94.40	S 147 8015B (GRO)
3.221	664388	311186	0.468		
6.650	5082676	2991693	0.589	26.67	S 154 Gas C6-C10
3.708	387550	200883	0.518		
5.107	364364	197725	0.543		
5.174	769416	402961	0.524		
5.332	203411	118654	0.583		
6.780	1191412	699355	0.587		
8.155	382171	233757	0.612		
8.258	761227	482490	0.634		
8.635	755571	472371	0.625		
9.554	267555	183497	0.686		
6.725	3075762	1825241	0.593	16.14	5 Toluene-d8
7.800	6004015	3581654	0.597	31.51	S 151 Gas C6-C12

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
9.913	747540	470328	0.629			
11.811	173798	119633	0.688			
8.027	1438957	849591	0.590	7.55	6	Chlorobenzene-d5
8.635	4482685	2780085	0.620	23.52	S 149	CALUFT
9.134	2357262	1402044	0.595	12.37	7	4-Bromofluorobenzen
9.675	4672533	2888670	0.618	24.52	S 150	NWTPH-Gx
12.474	393259	227239	0.578			
10.247	1596734	974030	0.610	8.38	8	1,4-Dichlorobenzene
	19053092	11171372		100.000		

Total unknown % area = 0.000

Data File: \\terastation\share\VOAdata\HP10.I\112310.B\WDM123.D
Date : 23-NOV-2010 09:14
Client ID:
Sample Info: TVPH WDM ;PD;1;;3;;1
Purge Volume: 5.0
Column phase: J&W DB-624

Instrument: HP10.i
Operator: PD
Column diameter: 0.53



TestAmerica West Sacramento

Method 8260B

Data file : \\terastation\share\voadata\HP10.I\112310.B\HSL1123.D
Lab Smp Id: HSL 20
Inj Date : 23-NOV-2010 10:14
Operator : PD Inst ID: HP10.i
Smp Info : HSL 20;PD;2;3;;5;;;;
Misc Info : 1;WATER;0;1_8260.sub;;1;;;;
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Meth Date : 23-Nov-2010 10:31 tap Quant Type: ISTD
Cal Date : 04-NOV-2010 14:39 Cal File: HSL110408.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE PD Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACPHP10 112310

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.438	5.438	(1.000)	612502	10.0000	
* 2	Chlorobenzene-d5	117	8.024	8.024	(1.000)	539304	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	355909	10.0000	
$ 4	Dibromofluoromethane	111	4.775	4.775	(0.878)	346457	20.0000	21.5514
$ 5	1,2-Dichloroethane-d4	65	5.061	5.061	(0.931)	370318	20.0000	20.8171
$ 6	Toluene-d8	98	6.722	6.722	(1.236)	1130756	20.0000	19.9076
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.138)	453008	20.0000	19.5120
$ 136	Trifluorotoluene	146	5.913	5.913	(1.087)	650859	20.0000	21.0947
8	Dichlorodifluoromethane	85	1.313	1.313	(0.242)	265155	20.0000	19.3471
9	Chloromethane (**)	50	1.453	1.453	(0.267)	321227	20.0000	20.0783
10	Vinyl Chloride (*)	62	1.563	1.563	(0.287)	356738	20.0000	21.6754
11	Bromomethane	94	1.873	1.873	(0.344)	249889	20.0000	21.4715
12	Chloroethane	64	1.983	1.983	(0.365)	234882	20.0000	23.1223
13	Trichlorofluoromethane	101	2.226	2.226	(0.409)	444490	20.0000	22.0675
15	Trichlorotrifluoroethane	101	2.761	2.761	(0.508)	259923	20.0000	21.3635
17	1,1-Dichloroethene(*)	96	2.737	2.737	(0.503)	280606	20.0000	22.7041
18	Acetone	43	2.798	2.798	(0.515)	173240	20.0000	18.5575
21	Carbon disulfide	76	2.926	2.926	(0.538)	754469	20.0000	17.9224
31	Vinyl acetate	43	3.893	3.893	(0.716)	783099	20.0000	21.5976
22	Methylene Chloride	84	3.205	3.205	(0.589)	346001	20.0000	22.3843
23	t-Butanol	59	3.333	3.333	(0.613)	2077385	500.000	488.245

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
25 Methyl-t-butyl-ether	73	3.461	3.461	(0.636)	880603	20.0000	22.0606
26 trans-1,2-Dichloroethene	96	3.455	3.455	(0.635)	365469	20.0000	22.5664
27 Acrylonitrile	53	3.443	3.443	(0.633)	2023250	200.000	208.142
30 1,1-Dichloroethane (**)	63	3.838	3.838	(0.706)	594129	20.0000	23.1548
33 2,2-Dichloropropane	77	4.349	4.349	(0.800)	407301	20.0000	22.8870
35 cis 1,2-Dichloroethene	96	4.355	4.355	(0.801)	405338	20.0000	23.5848
38 2-Butanone	43	4.373	4.373	(0.804)	289830	20.0000	17.5283
40 Bromochloromethane	128	4.562	4.562	(0.839)	220446	20.0000	23.1302
41 Chloroform (*)	83	4.635	4.635	(0.852)	606799	20.0000	23.8910
42 1,1,1-Trichloroethane	97	4.787	4.787	(0.880)	491299	20.0000	22.7462
43 Carbon Tetrachloride	117	4.927	4.927	(0.906)	422067	20.0000	22.0433
44 1,1-Dichloropropene	75	4.927	4.927	(0.906)	449513	20.0000	22.1804
47 Benzene	78	5.110	5.110	(0.940)	1369468	20.0000	21.9713
48 1,2-Dichloroethane	62	5.128	5.128	(0.943)	482988	20.0000	23.3575
49 Trichloroethene	95	5.663	5.663	(1.041)	342778	20.0000	21.3056
51 1,2-Dichloropropane(*)	63	5.858	5.858	(1.077)	302913	20.0000	21.7697
52 Dibromomethane	93	5.961	5.961	(1.096)	225470	20.0000	22.0635
53 1,4-Dioxane	88	5.973	5.973	(1.098)	143848	500.000	508.448
54 Bromodichloromethane	83	6.095	6.095	(1.121)	394271	20.0000	21.7282
55 2-Chloroethyl vinyl ether	63	6.363	6.363	(1.170)	200687	20.0000	20.0956
56 cis-1,3-Dichloropropene (xtr)	75	6.484	6.484	(1.192)	483630	20.0000	20.9804
57 4-Methyl-2-pentanone	43	6.624	6.624	(1.218)	543716	20.0000	21.3064
58 Toluene (*)	92	6.776	6.776	(1.246)	863537	20.0000	21.5640
60 trans-1,3-Dichloropropene(xt)	75	6.983	6.983	(1.284)	431729	20.0000	20.7804
61 1,1,2-Trichloroethane	97	7.141	7.141	(1.313)	312132	20.0000	21.2186
62 Tetrachloroethene	166	7.269	7.269	(0.906)	458429	20.0000	21.0453
63 1,3-Dichloropropane	76	7.294	7.294	(0.909)	552716	20.0000	20.5744
64 2-Hexanone	43	7.367	7.367	(0.918)	403172	20.0000	19.3933
65 Dibromochloromethane	129	7.500	7.500	(0.935)	329003	20.0000	19.7571
66 1,2-Dibromoethane	107	7.604	7.604	(0.948)	357659	20.0000	21.2079
67 1-Chlorohexane	91	8.030	8.030	(1.001)	420592	20.0000	18.8279
68 Chlorobenzene (**)	112	8.054	8.054	(1.004)	996509	20.0000	21.5325
69 Ethylbenzene (*)	106	8.151	8.151	(1.016)	523830	20.0000	21.8963
70 1,1,1,2-Tetrachloroethane	131	8.127	8.127	(1.013)	349939	20.0000	22.2650
71 Xylenes (m,p)	106	8.261	8.261	(1.030)	1334491	40.0000	44.0304
72 Xylene (o)	106	8.632	8.632	(1.076)	652121	20.0000	22.5668
73 Styrene	104	8.650	8.650	(1.078)	1071016	20.0000	21.8735
74 Bromoform (**)	173	8.827	8.827	(1.100)	264855	20.0000	18.1443
75 Isopropylbenzene	105	8.985	8.985	(1.120)	1547801	20.0000	22.5555
77 Bromobenzene	156	9.277	9.277	(0.905)	513446	20.0000	19.6905
78 1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	501676	20.0000	19.5521
79 N-Propylbenzene	91	9.374	9.374	(0.915)	1896792	20.0000	19.9951
80 1,2,3-Trichloropropane	110	9.313	9.313	(0.909)	199357	20.0000	19.4055
81 2-Chlorotoluene	91	9.459	9.459	(0.923)	1132883	20.0000	19.6232
82 1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	1384776	20.0000	20.5991
83 4-Chlorotoluene	91	9.563	9.563	(0.933)	1353576	20.0000	20.5451
84 T-Butylbenzene	119	9.861	9.861	(0.962)	1281940	20.0000	20.1657
85 1,2,4-Trimethylbenzene	105	9.909	9.909	(0.967)	1451164	20.0000	21.2874
86 Sec-Butylbenzene	105	10.080	10.080	(0.983)	1775184	20.0000	20.1098
87 1,3-Dichlorobenzene	146	10.183	10.183	(0.993)	930988	20.0000	20.8428
88 P-Isopropyltoluene	119	10.220	10.220	(0.997)	1592243	20.0000	20.9980
89 1,4-Dichlorobenzene	146	10.268	10.268	(1.002)	957218	20.0000	20.3501
90 N-Butylbenzene	91	10.621	10.621	(1.036)	1264001	20.0000	20.5634
91 1,2-Dichlorobenzene	146	10.633	10.633	(1.037)	884457	20.0000	20.4806

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	82952	20.0000	16.8178
	93 1,2,4-Trichlorobenzene	180	12.227	12.227	(1.193)	576809	20.0000	19.2808
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	314564	20.0000	18.8899
	95 Naphthalene	128	12.471	12.471	(1.217)	1371267	20.0000	17.8330
	96 1,2,3-Trichlorobenzene	180	12.708	12.708	(1.240)	475709	20.0000	18.4583
M	97 1,2-Dichloroethene (Total)	96				770807	40.0000	46.1512
M	98 Xylenes (Total)	106				1986612	60.0000	66.5972

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: HSL1123.D
Lab Smp Id: HSL 20
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;1_8260.sub;;1;;;;

Calibration Date: 15-NOV-2010
Calibration Time: 08:54
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	612502	-27.98
2 Chlorobenzene-d5	706704	353352	1413408	539304	-23.69
3 1,4 Dichlorobenze	409715	204858	819430	355909	-13.13

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	0.00
2 Chlorobenzene-d5	8.02	7.52	8.52	8.02	0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	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: \\terastation\share\voadata\HP10.I\112310.B\HSL1123.D
Date : 23-NOV-2010 10:14
Client ID:
Sample Info: HSL 20;PD;2;3;;5;;;;
Purge Volume: 5.0
Column phase:

Instrument: HP10.i
Operator: PD
Column diameter: 0.53

TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\GAS1123.D
Lab Smp Id:
Inj Date : 23-NOV-2010 09:51
Operator : PD Inst ID: HP10.i
Smp Info : GAS 500;PD;2;3;;5;;;;
Misc Info : 1;WATER;0;TPHALL.sub;;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\8260IIIGAS.m
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: ESTD
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC

PD
112310

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
3	1,4-Difluorobenzene	5.441	5.453	-0.012	1666292	10.0000		(a)
6	Chlorobenzene-d5	8.026	8.026	0.000	1578969	10.0000		(a)
8	1,4-Dichlorobenzene-d4	10.247	10.247	0.000	1804074	10.0000		(a)
1	Dibromofluoromethane	4.778	4.802	-0.024	2380350	20.0000		(a)
2	1,2-Dichloroethane-d4	5.064	5.064	0.000	1069749	20.0000		(a)
5	Toluene-d8	6.724	6.725	-0.001	3314697	20.0000		(a)
7	4-Bromofluorobenzene	9.134	9.134	0.000	2710451	20.0000		(a)
152	Trifluorotoluene	5.915	5.915	0.000	3034328	20.0000		(a)
S 147	8015B (GRO)	3.100-10.000			52169913	500.000	482.6	
S 148	AK101	3.600-9.400			38926507	500.000	481.1	
S 149	CALUFT	5.270-12.000			43387233	500.000	473.0	
S 150	NWTPH-Gx	6.750-12.600			39196676	500.000	476.5	
S 151	Gas C6-C12	3.600-12.000			52496512	500.000	478.6	
S 154	Gas C6-C10	3.600-9.700			43204050	500.000	480.9	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\GAS1123.D
Lab Smp Id:
Inj Date : 23-NOV-2010 09:51
Operator : PD Inst ID: HP10.i
Smp Info : GAS 500;PD;2;3;;5;;;;
Misc Info : 1;WATER;0;TPHALL.sub;;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\8260IIIGAS.m
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: AREA%
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
1.438	133317	41920	0.314	0.15	
1.572	550684	173171	0.314	0.65	
1.706	73665	24278	0.330	0.08	
2.047	3983057	1289846	0.324	4.70	
2.247	129118	66475	0.515	0.15	
2.308	2733891	1191801	0.436	3.23	
2.448	496028	236964	0.478	0.58	
2.558	245982	115405	0.469	0.29	
2.619	682941	331081	0.485	0.80	
2.765	641412	223009	0.348	0.75	
4.778	2380350	731145	0.307	2.81	1 Dibromofluoromethan
5.064	1069750	611242	0.571	1.26	2 1,2-Dichloroethane-
5.441	1666293	840029	0.504	1.96	3 1,4-Difluorobenzene
5.916	3034328	1654491	0.545	3.58	152 Trifluorotoluene
6.500	38926508	21311977	0.547	46.01	S 148 AK101
6.550	52169913	27898414	0.535	61.66	S 147 8015B (GRO)
3.221	3305534	1079485	0.327		
3.452	1243975	600006	0.482		
6.650	43204051	23425080	0.542	51.06	S 154 Gas C6-C10

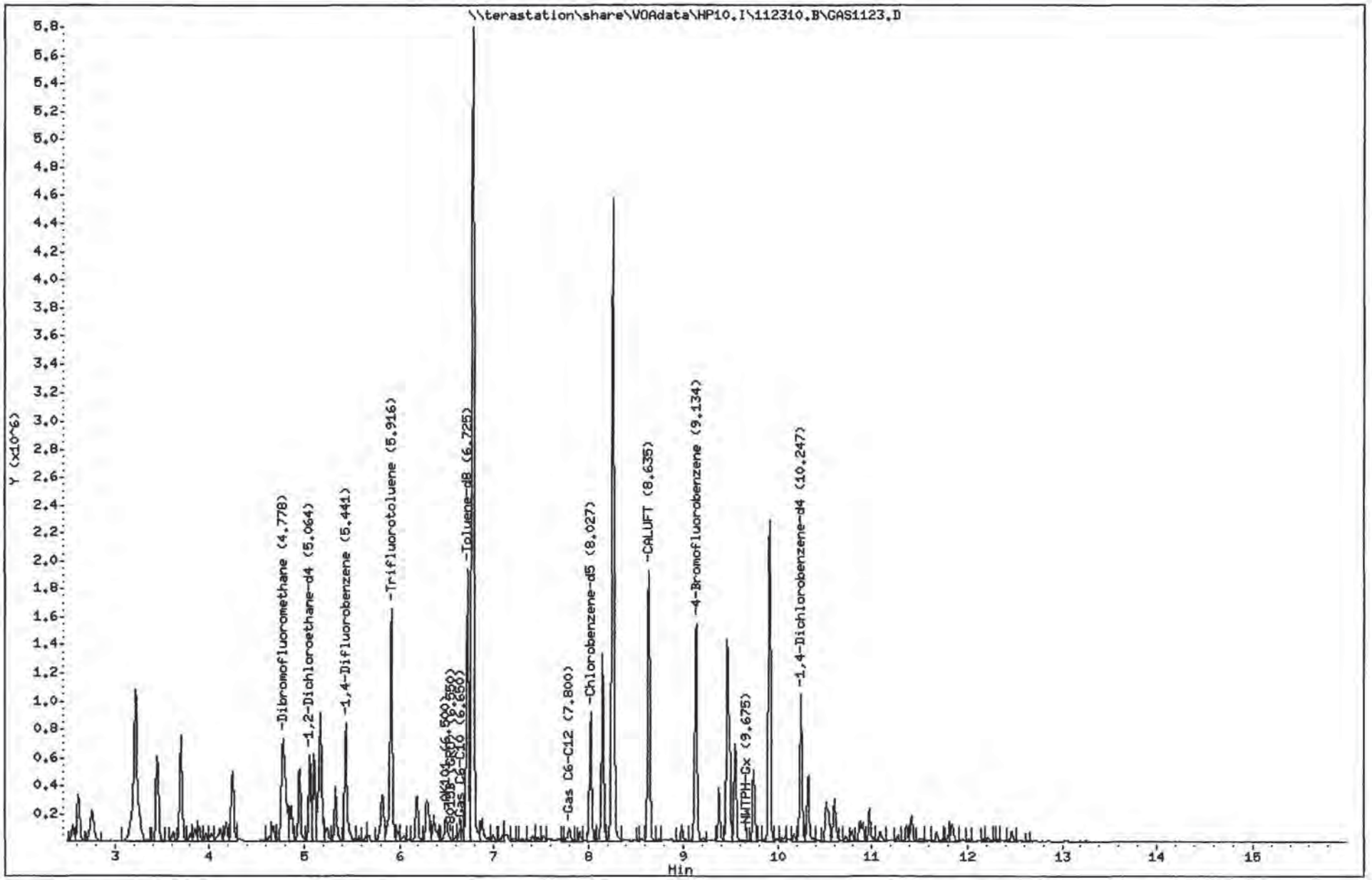
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.622	139879	64849	0.464		
3.707	1423019	752147	0.529		
3.805	103912	53866	0.518		
3.860	179799	85735	0.477		
3.896	189995	105979	0.558		
3.969	108823	56429	0.519		
4.030	125528	54048	0.431		
4.121	251421	89721	0.357		
4.182	263087	136281	0.518		
4.249	987270	497766	0.504		
4.644	69883	40955	0.586		
4.681	217541	103773	0.477		
4.869	522005	251844	0.482		
4.955	982083	512939	0.522		
5.107	1221904	618818	0.506		
5.174	2099000	916093	0.436		
5.247	224129	99952	0.446		
5.332	697168	389833	0.559		
5.581	61626	33941	0.551		
5.648	61407	40475	0.659		
5.825	773341	334719	0.433		
5.983	146315	74291	0.508		
6.050	101237	42637	0.421		
6.190	638996	321565	0.503		
6.293	765322	295764	0.386		
6.366	448614	187242	0.417		
6.494	432009	175307	0.406		
6.603	77121	43231	0.561		
6.640	158536	90249	0.569		
6.676	142844	91495	0.641		
6.780	9824058	5798303	0.590		
6.877	437951	169488	0.387		
6.999	95936	49346	0.514		
7.108	100939	49456	0.490		
7.193	47689	12123	0.254		
7.303	74482	23757	0.319		
7.412	91620	36595	0.399		
7.467	81713	28832	0.353		
7.534	79141	40460	0.511		
7.729	37163	19884	0.535		
7.808	209937	93296	0.444		
7.917	111441	64119	0.575		
8.155	2173980	1328425	0.611		
8.264	7913962	4573324	0.578		
8.532	16687	14416	0.864		
8.635	3127967	1923827	0.615		
8.739	53699	22052	0.411		
8.982	235953	119921	0.508		
9.377	598375	382409	0.639		
9.463	3136798	1426964	0.455		
9.548	1140746	686139	0.601		
6.725	3314698	1938668	0.585	3.91	5 Toluene-d8
7.800	52496512	28503521	0.543	-188.44	S 151 Gas C6-C12
9.742	834236	503319	0.603		
9.913	3582117	2290524	0.639		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
10.047	95633	24578	0.257			
10.174	96052	54941	0.572			
10.326	853093	464549	0.545			
10.521	775735	282696	0.364			
10.600	619516	299388	0.483			
10.722	79415	39222	0.494			
10.789	127994	72972	0.570			
10.874	452871	144634	0.319			
10.977	426738	229774	0.538			
11.087	174420	72057	0.413			
11.275	84880	47036	0.554			
11.373	209085	117032	0.560			
11.421	287796	180769	0.628			
11.501	77769	21348	0.275			
11.683	164269	64839	0.395			
11.811	74860	46768	0.625			
11.841	275982	121995	0.442			
8.027	1578969	912396	0.578	1.86	6	Chlorobenzene-d5
8.635	43387234	24062326	0.555	51.28	S 149	CALUFT
9.134	2710451	1543987	0.570	3.20	7	4-Bromofluorobenzen
9.675	39196676	22095120	0.564	46.33	S 150	NWTPH-Gx
12.012	31654	14765	0.466			
12.170	31988	19166	0.599			
12.218	70999	29461	0.415			
12.328	31993	14764	0.461			
12.474	147345	75387	0.512			
10.247	1804074	1043753	0.579	2.13	8	1,4-Dichlorobenzene
12.656	13545	9828	0.726	0.01		
	84602553	43316044		100.000		

Total unknown % area = 11.39

Data File: \\terastation\share\VOAdata\HP10.I\112310.B\GAS1123.D
Date : 23-NOV-2010 09:51
Client ID:
Sample Info: GAS 500;PD;2;3;;5;;;;
Purge Volume: 5.0
Column phase: J&W DB-624

Instrument: HP10.i
Operator: PD
Column diameter: 0.53



TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\GAS1123A.D
Lab Smp Id:
Inj Date : 23-NOV-2010 15:31
Operator : PD Inst ID: HP10.i
Smp Info : GAS 500;PD;2;3;;5;;;;
Misc Info : 1;WATER;0;TPHALL.sub;;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\8260IIIGAS.m
Meth Date : 24-Nov-2010 08:39 dibbsrodri Quant Type: ESTD
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon PD Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC 112410

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
3	1,4-Difluorobenzene	5.441	5.453	-0.012	2110927	10.0000		(a)
6	Chlorobenzene-d5	8.026	8.026	0.000	1679640	10.0000		(a)
8	1,4-Dichlorobenzene-d4	10.247	10.247	0.000	1984682	10.0000		(a)
1	Dibromofluoromethane	4.796	4.802	-0.006	3641611	20.0000		(a)
2	1,2-Dichloroethane-d4	5.064	5.064	0.000	1074621	20.0000		(a)
5	Toluene-d8	6.718	6.725	-0.007	3288677	20.0000		(a)
7	4-Bromofluorobenzene	9.134	9.134	0.000	2690332	20.0000		(a)
152	Trifluorotoluene	5.915	5.915	0.000	2740920	20.0000		(a)
S 147	8015B (GRO)	3.100-10.000			109955123	1000.00	1017	
S 148	AK101	3.600-9.400			82181495	1000.00	1016	
S 149	CALUFT	5.270-12.000			91988420	1000.00	1003	
S 150	NWTPH-Gx	6.750-12.600			82709958	1000.00	1005	
S 151	Gas C6-C12	3.600-12.000			111018006	1000.00	1012	
S 154	Gas C6-C10	3.600-9.700			90922969	1000.00	1012	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\GAS1123A.D
Lab Smp Id:
Inj Date : 23-NOV-2010 15:31
Operator : PD Inst ID: HP10.i
Smp Info : GAS 500;PD;2;3;;5;;;;
Misc Info : 1;WATER;0;TPHALL.sub;;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\8260IIIGAS.m
Meth Date : 24-Nov-2010 08:39 dibbsrodri Quant Type: AREA%
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
1.402	46821	26766	0.572	0.02		
1.444	212777	61387	0.289	0.13		
1.572	939657	332767	0.354	0.58		
1.718	126755	44913	0.354	0.07		
1.919	194892	54160	0.278	0.12		
2.047	8875560	2824713	0.318	5.48		
2.247	302315	143766	0.476	0.18		
2.302	5913553	2624980	0.444	3.65		
2.448	1036504	494835	0.477	0.64		
2.558	509055	247039	0.485	0.31		
2.612	1491991	704845	0.472	0.92		
2.765	1326019	454328	0.343	0.81		
3.008	12890	6301	0.489	0.00		
4.796	3641612	1122565	0.308	2.25		1 Dibromofluoromethan
5.064	1074622	601277	0.560	0.66		2 1,2-Dichloroethane-
5.441	2110927	934915	0.443	1.30		3 1,4-Difluorobenzene
5.916	2740921	1529957	0.558	1.69		152 Trifluorotoluene
6.500	82181496	44871592	0.546	50.79	S	148 AK101
6.550	109955123	58749646	0.534	67.95	S	147 8015B (GRO)
3.221	6990967	2323096	0.332			
3.452	2635708	1263206	0.479			

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
6.650	90922970	49249955	0.542	56.19	S 154 Gas C6-C10
3.622	296582	136246	0.459		
3.707	3009592	1579246	0.525		
3.799	218148	114630	0.525		
3.853	375443	186768	0.497		
3.896	386403	213947	0.554		
3.963	229253	118800	0.518		
4.030	257167	112730	0.438		
4.121	524749	202753	0.386		
4.182	544720	285178	0.524		
4.249	2139305	1049780	0.491		
4.553	29620	14631	0.494		
4.638	136256	78631	0.577		
4.675	523541	218347	0.417		
4.863	1079773	513649	0.476		
4.955	2017228	1081204	0.536		
5.107	2398408	1236900	0.516		
5.174	4402537	1908580	0.434		
5.247	460861	200243	0.434		
5.332	1457259	820943	0.563		
5.581	115870	66338	0.573		
5.648	269102	75228	0.280		
5.825	1627802	713534	0.438		
5.879	405738	320684	0.790		
5.983	296179	156984	0.530		
6.050	208388	87185	0.418		
6.110	40779	25734	0.631		
6.190	1359343	679624	0.500		
6.293	1618896	641360	0.396		
6.366	935539	368754	0.394		
6.494	904328	365172	0.404		
6.603	160180	86785	0.542		
6.640	331631	181246	0.547		
6.676	300618	194565	0.647		
6.780	20210638	12150116	0.601		
6.877	909708	368983	0.406		
6.999	201171	101260	0.503		
7.108	500324	105554	0.211		
7.218	116708	38788	0.332		
7.303	154775	44172	0.285		
7.412	171769	81571	0.475		
7.461	173718	55326	0.318		
7.528	165080	87672	0.531		
7.577	181055	55012	0.304		
7.692	186173	36455	0.196		
7.802	454483	188435	0.415		
7.917	268856	141932	0.528		
8.155	4443831	2696969	0.607		
8.258	16288085	9498468	0.583		
8.532	101165	29633	0.293		
8.635	6446866	3977038	0.617		
8.745	114104	44764	0.392		
8.854	134826	33826	0.251		
8.982	474736	229205	0.483		
9.067	28485	27749	0.974		
9.213	132882	56908	0.428		

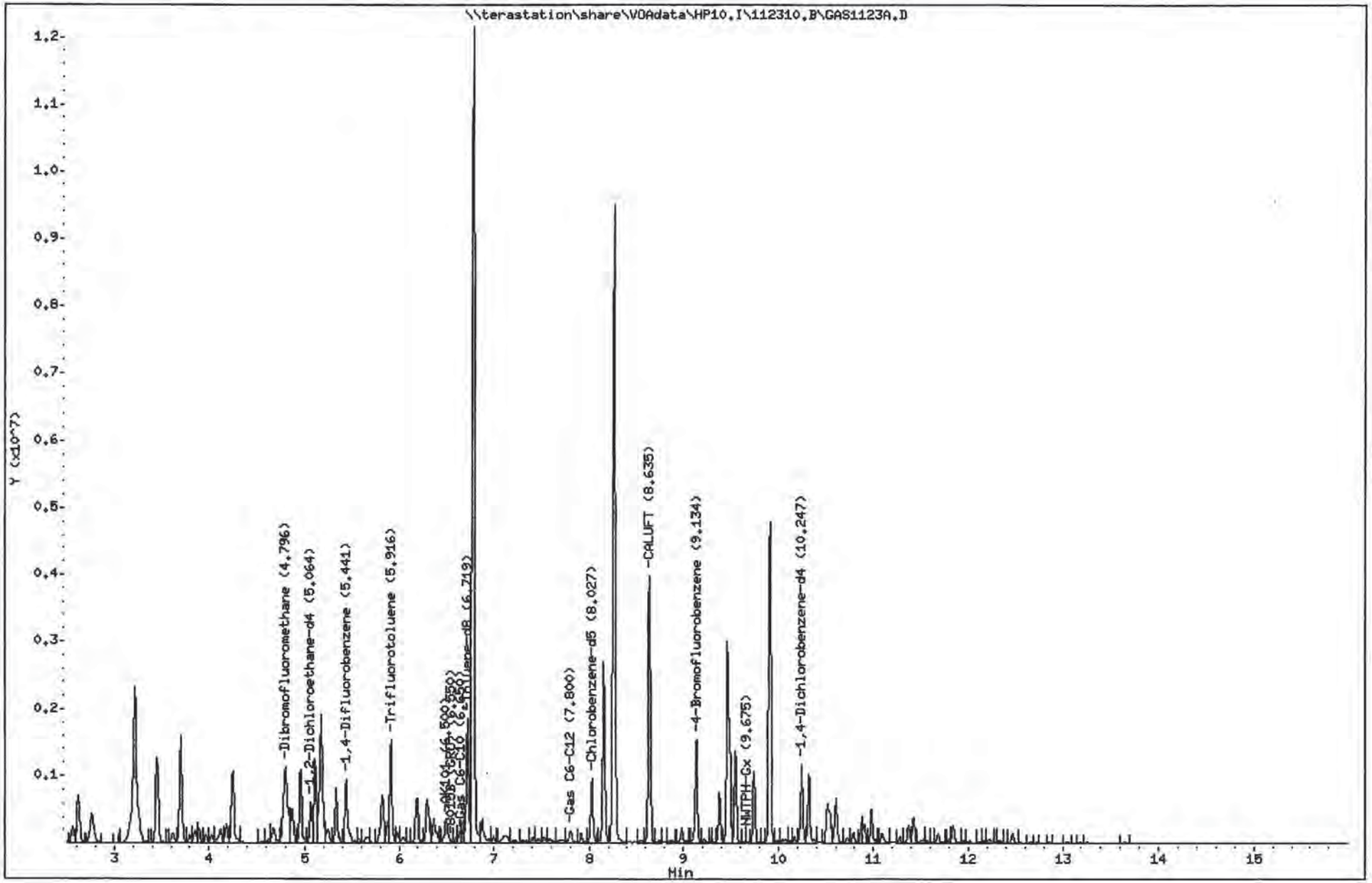
RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
9.329	56520	28634	0.507			
9.377	1204300	756723	0.628			
9.463	6503185	3005023	0.462			
9.548	2209554	1360598	0.616			
9.633	28735	12742	0.443			
6.719	3288678	1861938	0.566	2.03	5	Toluene-d8
7.800	111018007	60548816	0.545	-207.73	S 151	Gas C6-C12
9.742	1778783	1062746	0.597			
9.846	40819	22631	0.554			
9.913	7496120	4790158	0.639			
9.986	89756	37854	0.422			
10.047	201759	52207	0.259			
10.113	82397	47247	0.573			
10.174	190493	106595	0.560			
10.320	1827133	1024430	0.561			
10.521	1658162	595372	0.359			
10.600	1339050	667973	0.499			
10.722	177993	85097	0.478			
10.789	272089	155524	0.572			
10.874	486718	323341	0.664			
10.904	495171	292272	0.590			
10.977	919083	508151	0.553			
11.087	370688	150723	0.407			
11.275	185552	109071	0.588			
11.367	483789	261361	0.540			
11.421	636593	395561	0.621			
11.501	159209	42694	0.268			
11.561	74328	38641	0.520			
11.616	45770	23755	0.519			
11.683	341523	146128	0.428			
11.805	83294	51077	0.613			
11.841	593208	273161	0.460			
11.945	65555	35091	0.535			
8.027	1679640	953718	0.568	1.03	6	Chlorobenzene-d5
8.635	91988420	51296553	0.558	56.85	S 149	CALUFT
9.134	2690333	1518136	0.564	1.66	7	4-Bromofluorobenzen
9.675	82709959	46851049	0.566	51.11	S 150	NWTPH-Gx
12.012	74922	28838	0.385			
12.121	48982	23823	0.486			
12.170	71836	39167	0.545			
12.218	164229	61338	0.373			
12.322	105637	34980	0.331			
12.468	287584	150486	0.523			
10.247	1984683	1151790	0.580	1.22	8	1,4-Dichlorobenzene
12.669	44748	19198	0.429	0.02		
12.723	29010	15211	0.524	0.01		
12.857	39516	24130	0.611	0.02		
13.040	43963	19713	0.448	0.02		
13.186	19159	12535	0.654	0.01		
13.642	26348	11685	0.443	0.01		

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
	161800821	82271318		100.000	

Total unknown % area = 13.00

Data File: \\terastation\share\VOAdata\HP10.I\112310.B\GAS1123A.D
Date : 23-NOV-2010 15:31
Client ID:
Sample Info: GAS 500;PD;2;3;;5;;;;
Purge Volume: 5.0
Column phase: J&W DB-624

Instrument: HP10.i
Operator: PD
Column diameter: 0.53



TestAmerica West Sacramento

Method 8260B

Data file : \\terastation\share\voadata\HP10.I\112310.B\D1123.D
Lab Smp Id: LCS HSL
Inj Date : 23-NOV-2010 10:36
Operator : PD Inst ID: HP10.i
Smp Info : LCS HSL;PD;3;LCS;;5;;;;
Misc Info : 1;WATER;0;I25QK01.sub;I25QK01.spk;1;;;;
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Meth Date : 23-Nov-2010 10:31 tap Quant Type: ISTD
Cal Date : 04-NOV-2010 14:39 Cal File: HSL110408.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000 PD
Integrator: HP RTE Compound Sublist: I25QK01.sub
Target Version: 4.14
Processing Host: SACPHP10 112310

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Difluorobenzene	114	5.438	5.438	(1.000)	639567	10.0000	
* 2	Chlorobenzene-d5	117	8.023	8.024	(1.000)	556485	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	361809	10.0000	
$ 4	Dibromofluoromethane	111	4.775	4.775	(0.878)	360029	21.4479	21.4479
$ 5	1,2-Dichloroethane-d4	65	5.061	5.061	(0.931)	391842	21.0949	21.0949
$ 6	Toluene-d8	98	6.722	6.722	(1.236)	1176823	19.8419	19.8419
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.138)	468247	19.5457	19.5457
8	Dichlorodifluoromethane	85	1.313	1.313	(0.242)	268847	18.7864	18.7864
9	Chloromethane (**)	50	1.453	1.453	(0.267)	334272	20.0095	20.0095
10	Vinyl Chloride (*)	62	1.563	1.563	(0.287)	369611	21.5072	21.5072
11	Bromomethane	94	1.879	1.873	(0.346)	278669	22.9311	22.9311
12	Chloroethane	64	1.982	1.983	(0.365)	241994	22.8143	22.8143
13	Trichlorofluoromethane	101	2.226	2.226	(0.409)	498916	23.7214	23.7214
15	Trichlorotrifluoroethane	101	2.761	2.761	(0.508)	285564	22.4777	22.4777
17	1,1-Dichloroethene(*)	96	2.737	2.737	(0.503)	301233	23.3416	23.3416
18	Acetone	43	2.804	2.798	(0.516)	193755	19.8767	19.8767
21	Carbon disulfide	76	2.925	2.926	(0.538)	834655	18.9882	18.9882
22	Methylene Chloride	84	3.205	3.205	(0.589)	368259	22.8161	22.8161
23	t-Butanol	59	3.339	3.333	(0.614)	2276479	512.396	512.396
25	Methyl-t-butyl-ether	73	3.461	3.461	(0.636)	942893	22.6214	22.6214
26	trans-1,2-Dichloroethene	96	3.455	3.455	(0.635)	393833	23.2887	23.2887

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
27 Acrylonitrile	53	3.443	3.443	(0.633)	2181092	214.885	214.885
30 1,1-Dichloroethane (**)	63	3.838	3.838	(0.706)	624785	23.3191	23.3191
31 Vinyl acetate	43	3.899	3.893	(0.717)	833356	22.0110	22.0110
33 2,2-Dichloropropane	77	4.349	4.349	(0.800)	441218	23.7437	23.7437
35 cis 1,2-Dichloroethene	96	4.355	4.355	(0.801)	427325	23.8120	23.8120
38 2-Butanone	43	4.373	4.373	(0.804)	311675	18.0518	18.0518
40 Bromochloromethane	128	4.562	4.562	(0.839)	229870	23.0983	23.0983
41 Chloroform (*)	83	4.635	4.635	(0.852)	638296	24.0676	24.0676(R)
42 1,1,1-Trichloroethane	97	4.787	4.787	(0.880)	527867	23.4050	23.4050
43 Carbon Tetrachloride	117	4.927	4.927	(0.906)	451341	22.5747	22.5747
44 1,1-Dichloropropene	75	4.927	4.927	(0.906)	482933	22.8211	22.8211
47 Benzene	78	5.109	5.110	(0.940)	1447618	22.2423	22.2423
48 1,2-Dichloroethane	62	5.128	5.128	(0.943)	509010	23.5742	23.5742
49 Trichloroethene	95	5.663	5.663	(1.041)	368557	21.9385	21.9385
51 1,2-Dichloropropane(*)	63	5.858	5.858	(1.077)	315412	21.7087	21.7087
52 Dibromomethane	93	5.961	5.961	(1.096)	237897	22.2944	22.2944
53 1,4-Dioxane	88	5.973	5.973	(1.098)	157146	531.175	531.175
54 Bromodichloromethane	83	6.101	6.095	(1.122)	421254	22.2329	22.2328
55 2-Chloroethyl vinyl ether	63	6.363	6.363	(1.170)	205819	19.7373	19.7373
56 cis-1,3-Dichloropropene (xtr)	75	6.490	6.484	(1.194)	517875	21.5153	21.5153
57 4-Methyl-2-pentanone	43	6.624	6.624	(1.218)	559230	20.9870	20.9870
58 Toluene (*)	92	6.782	6.776	(1.247)	896499	21.4398	21.4398
60 trans-1,3-Dichloropropene(xt)	75	6.983	6.983	(1.284)	465959	21.4788	21.4788
61 1,1,2-Trichloroethane	97	7.147	7.141	(1.314)	330975	21.5474	21.5474
62 Tetrachloroethene	166	7.269	7.269	(0.906)	485866	21.6162	21.6162
63 1,3-Dichloropropane	76	7.293	7.294	(0.909)	576362	20.7922	20.7922
64 2-Hexanone	43	7.366	7.367	(0.918)	422673	19.7036	19.7036
65 Dibromochloromethane	129	7.500	7.500	(0.935)	349411	20.3348	20.3348
66 1,2-Dibromoethane	107	7.604	7.604	(0.948)	376670	21.6456	21.6456
67 1-Chlorohexane	91	8.030	8.030	(1.001)	450235	19.5326	19.5326
68 Chlorobenzene (**)	112	8.054	8.054	(1.004)	1047380	21.9329	21.9329
69 Ethylbenzene (*)	106	8.151	8.151	(1.016)	554656	22.4691	22.4691
70 1,1,1,2-Tetrachloroethane	131	8.127	8.127	(1.013)	366001	22.5680	22.5680
71 Xylenes (m,p)	106	8.261	8.261	(1.030)	1425584	45.5837	45.5837
72 Xylene (o)	106	8.632	8.632	(1.076)	688244	23.0815	23.0815
73 Styrene	104	8.650	8.650	(1.078)	1146400	22.6902	22.6902
74 Bromoform (**)	173	8.827	8.827	(1.100)	287539	19.0519	19.0519
75 Isopropylbenzene	105	8.985	8.985	(1.120)	1643795	23.2149	23.2148
77 Bromobenzene	156	9.277	9.277	(0.905)	540526	20.3910	20.3910
78 1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	531604	20.3807	20.3807
79 N-Propylbenzene	91	9.380	9.374	(0.915)	2019033	20.9367	20.9367
80 1,2,3-Trichloropropane	110	9.319	9.313	(0.909)	204341	19.5663	19.5663
81 2-Chlorotoluene	91	9.459	9.459	(0.923)	1195752	20.3744	20.3744
82 1,3,5-Trimethylbenzene	105	9.550	9.551	(0.932)	1462649	21.4027	21.4027
83 4-Chlorotoluene	91	9.563	9.563	(0.933)	1415384	21.1329	21.1329
84 T-Butylbenzene	119	9.861	9.861	(0.962)	1362098	21.0772	21.0772
85 1,2,4-Trimethylbenzene	105	9.909	9.909	(0.967)	1513891	21.8455	21.8454
86 Sec-Butylbenzene	105	10.080	10.080	(0.983)	1892539	21.0896	21.0896
87 1,3-Dichlorobenzene	146	10.183	10.183	(0.993)	973916	21.4483	21.4483
88 P-Isopropyltoluene	119	10.220	10.220	(0.997)	1675482	21.7354	21.7354
89 1,4-Dichlorobenzene	146	10.268	10.268	(1.002)	994165	20.7909	20.7909
90 N-Butylbenzene	91	10.621	10.621	(1.036)	1347420	21.5631	21.5631
91 1,2-Dichlorobenzene	146	10.633	10.633	(1.037)	935772	21.3155	21.3155
92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	87646	17.4606	17.4606

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	93 1,2,4-Trichlorobenzene	180	12.227	12.227	(1.193)	628521	20.6287	20.6287
	94 Hexachlorobutadiene	225	12.398	12.398	(1.210)	330166	19.5035	19.5035
	95 Naphthalene	128	12.471	12.471	(1.217)	1537543	19.6089	19.6089
	96 1,2,3-Trichlorobenzene	180	12.708	12.708	(1.240)	545558	20.7642	20.7642
M	98 Xylenes (Total)	106				2113828	68.6653	68.6652

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: D1123.D
Lab Smp Id: LCS HSL
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;I25QK01.sub;I25QK01.spk;1;;;;

Calibration Date: 23-NOV-2010
Calibration Time: 10:14
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	639567	-24.79
2 Chlorobenzene-d5	706704	353352	1413408	556485	-21.26
3 1,4 Dichlorobenze	409715	204858	819430	361809	-11.69

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	-0.00
2 Chlorobenzene-d5	8.02	7.52	8.52	8.02	-0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	-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.

TestAmerica

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LCS HSL
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: I25QKA4.spk Quant Type: ISTD
Sublist File: I25QKA4.sub
Method File: \\terastation\share\VOAdata\HP10.I\112310.B\8260ALOW.M
Misc Info: 1;WATER;0;I25QK01.sub;I25QK01.spk;1;;;;

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
8	Dichlorodifluorome	20.0000	18.7864	93.93	30-153
9	Chloromethane (**)	20.0000	20.0095	100.05	56-131
10	Vinyl Chloride (*)	20.0000	21.5072	107.54	50-134
11	Bromomethane	20.0000	22.9311	114.66	30-141
12	Chloroethane	20.0000	22.8143	114.07	58-133
13	Trichlorofluoromet	20.0000	23.7214	118.61	57-129
17	1,1-Dichloroethene	20.0000	23.3416	116.71	68-130
18	Acetone	20.0000	19.8767	99.38	40-135
21	Carbon disulfide	20.0000	18.9882	94.94	66-122
22	Methylene Chloride	20.0000	22.8161	114.08	63-137
23	t-Butanol	500.000	512.396	102.48	43-159
25	Methyl-t-butyl-eth	20.0000	22.6214	113.11	65-123
26	trans-1,2-Dichloro	20.0000	23.2887	116.44	63-137
30	1,1-Dichloroethane	20.0000	23.3191	116.60	69-133
33	2,2-Dichloropropan	20.0000	23.7437	118.72	69-137
35	cis 1,2-Dichloroet	20.0000	23.8120	119.06	72-126
38	2-Butanone	20.0000	18.0518	90.26	49-136
40	Bromochloromethane	20.0000	23.0983	115.49	65-129
41	Chloroform (*)	20.0000	24.0676	120.34	69-128
42	1,1,1-Trichloroeth	20.0000	23.4050	117.03	67-132
43	Carbon Tetrachlori	20.0000	22.5747	112.87	66-138
44	1,1-Dichloropropen	20.0000	22.8211	114.11	73-132
47	Benzene	20.0000	22.2423	111.21	81-122
48	1,2-Dichloroethane	20.0000	23.5742	117.87	69-132
49	Trichloroethene	20.0000	21.9385	109.69	70-127
51	1,2-Dichloropropan	20.0000	21.7087	108.54	75-125
52	Dibromomethane	20.0000	22.2944	111.47	76-125
53	1,4-Dioxane	500.000	531.175	106.24	49-151
54	Bromodichlorometha	20.0000	22.2328	111.16	76-121
56	cis-1,3-Dichloropr	20.0000	21.5153	107.58	69-131
57	4-Methyl-2-pentano	20.0000	20.9870	104.94	58-134
58	Toluene (*)	20.0000	21.4398	107.20	77-122
60	trans-1,3-Dichloro	20.0000	21.4788	107.39	59-135
61	1,1,2-Trichloroeth	20.0000	21.5474	107.74	75-125
62	Tetrachloroethene	20.0000	21.6162	108.08	66-128
63	1,3-Dichloropropan	20.0000	20.7922	103.96	73-126
65	Dibromochlorometha	20.0000	20.3348	101.67	66-133
66	1,2-Dibromoethane	20.0000	21.6456	108.23	80-121
67	1-Chlorohexane	20.0000	19.5326	97.66	70-125
68	Chlorobenzene (**)	20.0000	21.9329	109.66	81-122

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
69 Ethylbenzene (*)	20.0000	22.4691	112.35	73-127
70 1,1,1,2-Tetrachlor	20.0000	22.5680	112.84	81-129
71 Xylenes (m,p)	40.0000	45.5837	113.96	76-128
72 Xylene (o)	20.0000	23.0815	115.41	80-121
73 Styrene	20.0000	22.6902	113.45	65-134
74 Bromoform (**)	20.0000	19.0519	95.26	69-128
75 Isopropylbenzene	20.0000	23.2148	116.07	75-127
77 Bromobenzene	20.0000	20.3910	101.96	76-124
78 1,1,2,2-Tetrachlor	20.0000	20.3807	101.90	63-128
79 N-Propylbenzene	20.0000	20.9367	104.68	72-129
80 1,2,3-Trichloropro	20.0000	19.5663	97.83	73-124
81 2-Chlorotoluene	20.0000	20.3744	101.87	73-126
82 1,3,5-Trimethylben	20.0000	21.4027	107.01	74-131
83 4-Chlorotoluene	20.0000	21.1329	105.66	74-128
84 T-Butylbenzene	20.0000	21.0772	105.39	70-129
85 1,2,4-Trimethylben	20.0000	21.8454	109.23	74-132
86 Sec-Butylbenzene	20.0000	21.0896	105.45	72-127
87 1,3-Dichlorobenzen	20.0000	21.4483	107.24	75-124
88 P-Isopropyltoluene	20.0000	21.7354	108.68	73-130
89 1,4-Dichlorobenzen	20.0000	20.7909	103.95	74-123
90 N-Butylbenzene	20.0000	21.5631	107.82	69-137
91 1,2-Dichlorobenzen	20.0000	21.3155	106.58	71-122
92 1,2-Dibromo-3-chlo	20.0000	17.4606	87.30	50-132
93 1,2,4-Trichloroben	20.0000	20.6287	103.14	66-134
94 Hexachlorobutadien	20.0000	19.5035	97.52	67-131
95 Naphthalene	20.0000	19.6089	98.04	54-138
96 1,2,3-Trichloroben	20.0000	20.7642	103.82	67-137

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	20.0000	21.4479	107.24	85-115
$ 5 1,2-Dichloroethane	20.0000	21.0949	105.47	72-119
$ 6 Toluene-d8	20.0000	19.8419	99.21	81-120
$ 7 4-Bromofluorobenze	20.0000	19.5457	97.73	76-119

TestAmerica

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LCS HSL
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: I25QKD4.spk Quant Type: ISTD
Sublist File: I25QKD4.sub
Method File: \\terastation\share\VOAdata\HP10.I\112310.B\8260ALOW.M
Misc Info: 1;WATER;0;I25QK01.sub;I25QK01.spk;1;;;;

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
8 Dichlorodifluorome	20.0000	18.7864	93.93	30-155
9 Chloromethane (**)	20.0000	20.0095	100.05	40-125
10 Vinyl Chloride (*)	20.0000	21.5072	107.54	50-145
11 Bromomethane	20.0000	22.9311	114.66	30-145
12 Chloroethane	20.0000	22.8143	114.07	60-135
13 Trichlorofluoromet	20.0000	23.7214	118.61	60-145
15 Trichlorotrifluoro	20.0000	22.4777	112.39	64-125
17 1,1-Dichloroethene	20.0000	23.3416	116.71	70-130
18 Acetone	20.0000	19.8767	99.38	40-140
21 Carbon disulfide	20.0000	18.9882	94.94	35-160
22 Methylene Chloride	20.0000	22.8161	114.08	55-140
23 t-Butanol	500.000	512.396	102.48	32-167
26 trans-1,2-Dichloro	20.0000	23.2887	116.44	60-140
25 Methyl-t-butyl-eth	20.0000	22.6214	113.11	71-125
30 1,1-Dichloroethane	20.0000	23.3191	116.60	70-135
33 2,2-Dichloropropan	20.0000	23.7437	118.72	70-135
35 cis 1,2-Dichloroet	20.0000	23.8120	119.06	70-125
38 2-Butanone	20.0000	18.0518	90.26	30-150
40 Bromochloromethane	20.0000	23.0983	115.49	65-130
41 Chloroform (*)	20.0000	24.0676	120.34	65-135
42 1,1,1-Trichloroeth	20.0000	23.4050	117.03	65-130
43 Carbon Tetrachlori	20.0000	22.5747	112.87	65-140
44 1,1-Dichloropropen	20.0000	22.8211	114.11	75-130
47 Benzene	20.0000	22.2423	111.21	80-120
48 1,2-Dichloroethane	20.0000	23.5742	117.87	70-130
49 Trichloroethene	20.0000	21.9385	109.69	70-125
51 1,2-Dichloropropan	20.0000	21.7087	108.54	75-125
52 Dibromomethane	20.0000	22.2944	111.47	75-125
54 Bromodichlorometha	20.0000	22.2328	111.16	75-120
56 cis-1,3-Dichloropr	20.0000	21.5153	107.58	70-130
57 4-Methyl-2-pentano	20.0000	20.9870	104.94	60-135
58 Toluene (*)	20.0000	21.4398	107.20	75-120
60 trans-1,3-Dichloro	20.0000	21.4788	107.39	55-140
61 1,1,2-Trichloroeth	20.0000	21.5474	107.74	75-125
62 Tetrachloroethene	20.0000	21.6162	108.08	45-150
63 1,3-Dichloropropan	20.0000	20.7922	103.96	75-125
64 2-Hexanone	20.0000	19.7036	98.52	55-130
65 Dibromochlorometha	20.0000	20.3348	101.67	60-135
66 1,2-Dibromoethane	20.0000	21.6456	108.23	80-120
68 Chlorobenzene (**)	20.0000	21.9329	109.66	80-120

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	70 1,1,1,2-Tetrachlor	20.0000	22.5680	112.84	80-130
	69 Ethylbenzene (*)	20.0000	22.4691	112.35	75-125
	71 Xylenes (m,p)	40.0000	45.5837	113.96	75-130
	72 Xylene (o)	20.0000	23.0815	115.41	80-120
	73 Styrene	20.0000	22.6902	113.45	65-135
	74 Bromoform (**)	20.0000	19.0519	95.26	70-130
	75 Isopropylbenzene	20.0000	23.2148	116.07	75-125
	77 Bromobenzene	20.0000	20.3910	101.96	75-125
	78 1,1,2,2-Tetrachlor	20.0000	20.3807	101.90	65-130
	80 1,2,3-Trichloropro	20.0000	19.5663	97.83	75-125
	79 N-Propylbenzene	20.0000	20.9367	104.68	70-130
	81 2-Chlorotoluene	20.0000	20.3744	101.87	75-125
	83 4-Chlorotoluene	20.0000	21.1329	105.66	75-130
	82 1,3,5-Trimethylben	20.0000	21.4027	107.01	75-130
	84 T-Butylbenzene	20.0000	21.0772	105.39	70-130
	85 1,2,4-Trimethylben	20.0000	21.8454	109.23	75-130
	86 Sec-Butylbenzene	20.0000	21.0896	105.45	70-125
	87 1,3-Dichlorobenzen	20.0000	21.4483	107.24	75-125
	88 P-Isopropyltoluene	20.0000	21.7354	108.68	75-130
	89 1,4-Dichlorobenzen	20.0000	20.7909	103.95	75-125
	91 1,2-Dichlorobenzen	20.0000	21.3155	106.58	70-120
	90 N-Butylbenzene	20.0000	21.5631	107.82	70-135
	92 1,2-Dibromo-3-chlo	20.0000	17.4606	87.30	50-130
	93 1,2,4-Trichloroben	20.0000	20.6287	103.14	65-135
	94 Hexachlorobutadien	20.0000	19.5035	97.52	50-140
	95 Naphthalene	20.0000	19.6089	98.04	55-140
	96 1,2,3-Trichloroben	20.0000	20.7642	103.82	55-140
M	98 Xylenes (Total)	60.0000	68.6652	114.44	80-123

	SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$	4 Dibromofluorometha	20.0000	21.4479	107.24	85-115
$	5 1,2-Dichloroethane	20.0000	21.0949	105.47	70-120
$	6 Toluene-d8	20.0000	19.8419	99.21	85-120
$	7 4-Bromofluorobenze	20.0000	19.5457	97.73	75-120

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LCS HSL
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: I25QK01.spk Quant Type: ISTD
Sublist File: I25QK01.sub
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;I25QK01.sub;I25QK01.spk;1;;;;

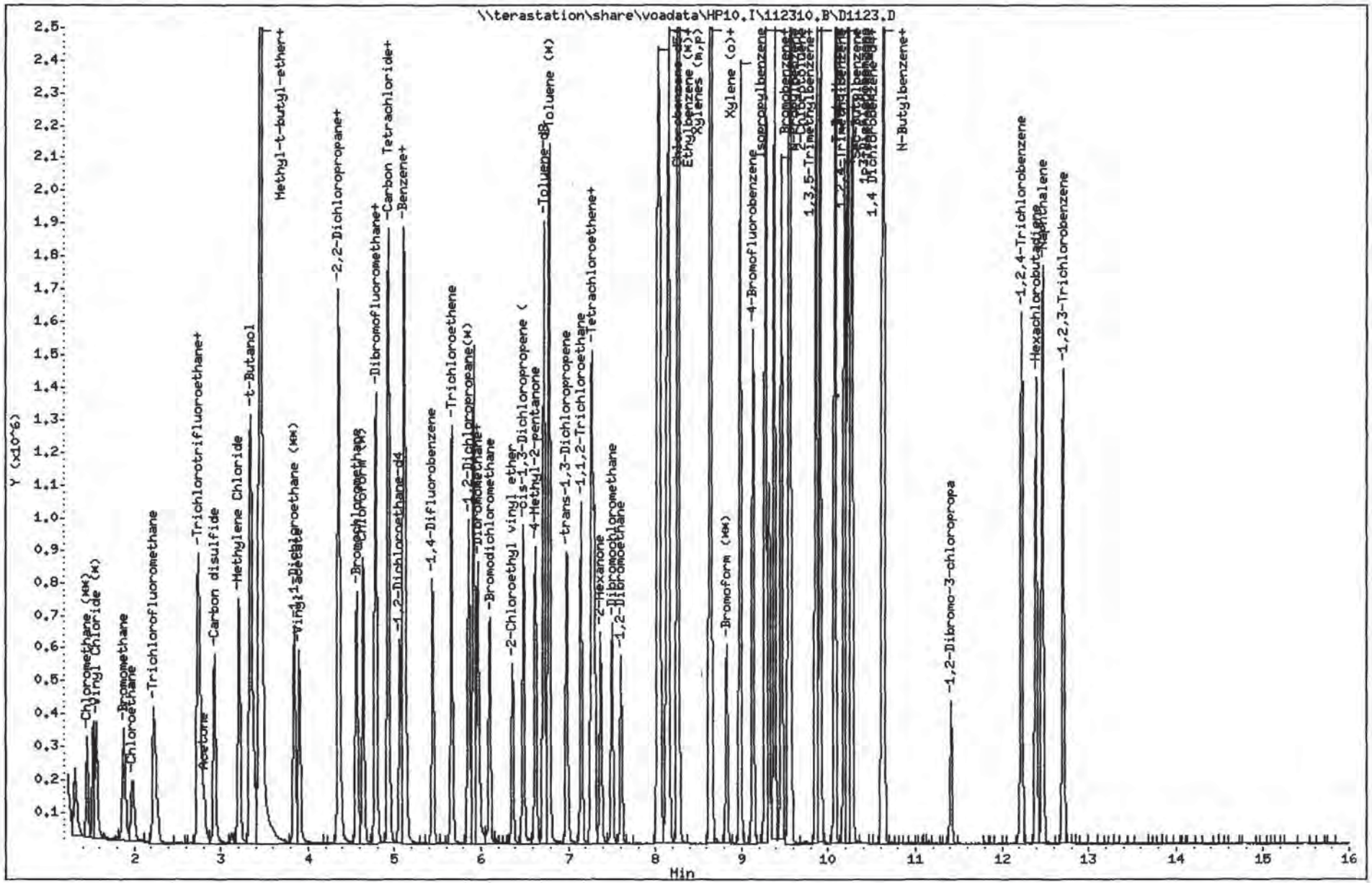
SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
8	Dichlorodifluorome	20.0000	18.7864	93.93	39-161
9	Chloromethane (**)	20.0000	20.0095	100.05	62-129
10	Vinyl Chloride (*)	20.0000	21.5072	107.54	68-121
11	Bromomethane	20.0000	22.9311	114.66	65-132
12	Chloroethane	20.0000	22.8143	114.07	65-123
13	Trichlorofluoromet	20.0000	23.7214	118.61	60-135
15	Trichlorotrifluoro	20.0000	22.4777	112.39	64-125
17	1,1-Dichloroethene	20.0000	23.3416	116.71	74-120
18	Acetone	20.0000	19.8767	99.38	55-145
21	Carbon disulfide	20.0000	18.9882	94.94	65-121
22	Methylene Chloride	20.0000	22.8161	114.08	77-120
23	t-Butanol	500.000	512.396	102.48	32-167
27	Acrylonitrile	200.000	214.885	107.44	65-136
26	trans-1,2-Dichloro	20.0000	23.2887	116.44	76-120
25	Methyl-t-butyl-eth	20.0000	22.6214	113.11	71-125
30	1,1-Dichloroethane	20.0000	23.3191	116.60	79-120
31	Vinyl acetate	20.0000	22.0110	110.06	64-136
33	2,2-Dichloropropan	20.0000	23.7437	118.72	75-127
35	cis 1,2-Dichloroet	20.0000	23.8120	119.06	78-120
38	2-Butanone	20.0000	18.0518	90.26	66-129
40	Bromochloromethane	20.0000	23.0983	115.49	80-120
41	Chloroform (*)	20.0000	24.0676	120.34*	80-120
42	1,1,1-Trichloroeth	20.0000	23.4050	117.03	79-121
43	Carbon Tetrachlori	20.0000	22.5747	112.87	78-124
44	1,1-Dichloropropen	20.0000	22.8211	114.11	77-120
47	Benzene	20.0000	22.2423	111.21	79-120
48	1,2-Dichloroethane	20.0000	23.5742	117.87	77-128
49	Trichloroethene	20.0000	21.9385	109.69	74-120
51	1,2-Dichloropropan	20.0000	21.7087	108.54	75-125
52	Dibromomethane	20.0000	22.2944	111.47	80-121
53	1,4-Dioxane	500.000	531.175	106.24	29-168
54	Bromodichlorometha	20.0000	22.2328	111.16	80-124
56	cis-1,3-Dichloropr	20.0000	21.5153	107.58	80-131
57	4-Methyl-2-pentano	20.0000	20.9870	104.94	64-128
58	Toluene (*)	20.0000	21.4398	107.20	79-126
60	trans-1,3-Dichloro	20.0000	21.4788	107.39	75-133
61	1,1,2-Trichloroeth	20.0000	21.5474	107.74	79-127
62	Tetrachloroethene	20.0000	21.6162	108.08	74-120
63	1,3-Dichloropropan	20.0000	20.7922	103.96	79-120
64	2-Hexanone	20.0000	19.7036	98.52	54-128

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	65	Dibromochlorometha	20.0000	20.3348	101.67	80-122
	66	1,2-Dibromoethane	20.0000	21.6456	108.23	78-120
	68	Chlorobenzene (**)	20.0000	21.9329	109.66	78-120
	67	1-Chlorohexane	20.0000	19.5326	97.66	72-120
	70	1,1,1,2-Tetrachlor	20.0000	22.5680	112.84	79-120
	69	Ethylbenzene (*)	20.0000	22.4691	112.35	80-120
	71	Xylenes (m,p)	40.0000	45.5837	113.96	80-121
	72	Xylene (o)	20.0000	23.0815	115.41	80-124
	73	Styrene	20.0000	22.6902	113.45	80-120
	74	Bromoform (**)	20.0000	19.0519	95.26	80-120
	75	Isopropylbenzene	20.0000	23.2148	116.07	80-121
	77	Bromobenzene	20.0000	20.3910	101.96	80-120
	78	1,1,2,2-Tetrachlor	20.0000	20.3807	101.90	74-137
	80	1,2,3-Trichloropro	20.0000	19.5663	97.83	73-120
	79	N-Propylbenzene	20.0000	20.9367	104.68	76-120
	81	2-Chlorotoluene	20.0000	20.3744	101.87	79-120
	83	4-Chlorotoluene	20.0000	21.1329	105.66	80-121
	82	1,3,5-Trimethylben	20.0000	21.4027	107.01	79-120
	84	T-Butylbenzene	20.0000	21.0772	105.39	78-120
	85	1,2,4-Trimethylben	20.0000	21.8454	109.23	76-120
	86	Sec-Butylbenzene	20.0000	21.0896	105.45	77-120
	87	1,3-Dichlorobenzen	20.0000	21.4483	107.24	78-120
	88	P-Isopropyltoluene	20.0000	21.7354	108.68	76-120
	89	1,4-Dichlorobenzen	20.0000	20.7909	103.95	74-120
	91	1,2-Dichlorobenzen	20.0000	21.3155	106.58	77-120
	90	N-Butylbenzene	20.0000	21.5631	107.82	72-120
	92	1,2-Dibromo-3-chlo	20.0000	17.4606	87.30	66-121
	93	1,2,4-Trichloroben	20.0000	20.6287	103.14	61-130
	94	Hexachlorobutadien	20.0000	19.5035	97.52	69-120
	95	Naphthalene	20.0000	19.6089	98.04	56-143
	96	1,2,3-Trichloroben	20.0000	20.7642	103.82	47-162
M	98	Xylenes (Total)	60.0000	68.6652	114.44	80-123

	SURROGATE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$	4	Dibromofluorometha	20.0000	21.4479	107.24	80-123
$	5	1,2-Dichloroethane	20.0000	21.0949	105.47	72-123
$	6	Toluene-d8	20.0000	19.8419	99.21	78-120
$	7	4-Bromofluorobenze	20.0000	19.5457	97.73	74-120

Data File: \\terastation\share\voadata\HP10.I\112310.B\D1123.D
Date : 23-NOV-2010 10:36
Client ID:
Sample Info: LCS HSL;PD;3;LCS;;5;;;;
Purge Volume: 5.0
Column phase:

Instrument: HP10.i
Operator: PD
Column diameter: 0.53



TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\gas\G1123g.D
Lab Smp Id: LCS GAS
Inj Date : 23-NOV-2010 10:59
Operator : PD Inst ID: HP10.i
Smp Info : LCS GAS;PD;3;LCS;;5;;;;
Misc Info : 1;WATER;0;TPHALL.sub;TPHALL.spk;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\gas\8260IIIGAS.M
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: ESTD
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon PD Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC 112310

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)	
3 1,4-Difluorobenzene	5.444	5.453	-0.009	1647192			(a)
6 Chlorobenzene-d5	8.023	8.026	-0.003	1551825			(a)
8 1,4-Dichlorobenzene-d4	10.244	10.247	-0.003	1833092			(a)
1 Dibromofluoromethane	4.781	4.802	-0.021	2266658			(a)
2 1,2-Dichloroethane-d4	5.061	5.064	-0.003	1009344			(a)
5 Toluene-d8	6.722	6.725	-0.003	3008350			(a)
7 4-Bromofluorobenzene	9.131	9.134	-0.003	2436437			(a)
152 Trifluorotoluene	5.912	5.915	-0.003	2884978			(a)
S 147 8015B (GRO)	3.100-10.000			50979666	471.602	471.6	
S 148 AK101	3.600-9.400			37901590	468.455	468.4	
S 149 CALUFT	5.270-12.000			42609389	464.512	464.5	
S 150 NWTPH-Gx	6.750-12.600			38914938	473.044	473.0	
S 151 Gas C6-C12	3.600-12.000			51471605	469.310	469.3	
S 154 Gas C6-C10	3.600-9.700			42092772	468.514	468.5	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: LCS GAS
Level: LOW
Data Type: GC DATA
SpikeList File: TPHALL.spk
Sublist File: TPHALL.sub
Method File: \\terastation\share\VOAdata\HP10.I\112310.B\gas\8260IIIGAS.M
Misc Info: 1;WATER;0;TPHALL.sub;TPHALL.spk;1;;;;

Client SDG: I80
Fraction: VOA

Operator: PD
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
S 147 8015B (GRO)	500.0	471.6	94.32	70-130
S 148 AK101	500.0	468.4	93.69	70-130
S 149 CALUFT	500.0	464.5	92.90	78-118
S 150 NWTPH-Gx	500.0	473.0	94.61	70-130
S 151 Gas C6-C12	500.0	469.3	93.86	67-136
S 154 Gas C6-C10	500.0	468.5	93.70	70-130

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LCS GAS
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCS
SpikeList File: TPHALL.spk Quant Type: ISTD
Sublist File: TPHALL.sub
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;TPHALL.sub;TPHALL.spk;1;;;;

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 4-Bromofluorobenze	20.0000	18.8983	94.49	66-121

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 4-Bromofluorobenze	20.0000	18.8983	94.49	66-121
$ 136 Trifluorotoluene	20.0000	22.1886	110.94	60-140

TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\gas\G1123g.D
Lab Smp Id: LCS GAS
Inj Date : 23-NOV-2010 10:59
Operator : PD Inst ID: HP10.i
Smp Info : LCS GAS;PD;3;LCS;;5;;;;
Misc Info : 1;WATER;0;TPHALL.sub;TPHALL.spk;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\gas\8260IIIGAS.M
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: AREA%
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
1.435	45491	36384	0.800	0.05		
1.569	583171	164691	0.282	0.70		
2.050	3897603	1241549	0.319	4.71		
2.251	130534	69169	0.530	0.15		
2.305	2690850	1167404	0.434	3.25		
2.451	495488	235944	0.476	0.59		
2.561	239037	117349	0.491	0.28		
2.622	697274	319010	0.458	0.84		
2.768	634781	218238	0.344	0.76		
4.781	2266659	668582	0.295	2.74	1	Dibromofluoromethan
5.061	1009344	558229	0.553	1.22	2	1,2-Dichloroethane-
5.445	1647193	803450	0.488	1.99	3	1,4-Difluorobenzene
5.913	2884979	1578181	0.547	3.49	152	Trifluorotoluene
6.500	37901591	20675690	0.546	45.87	S 148	AK101
6.550	50979667	27110653	0.532	61.69	S 147	8015B (GRO)
3.224	3238354	1056073	0.326			
3.455	1224738	580763	0.474			
6.650	42092772	22710870	0.540	50.94	S 154	Gas C6-C10
3.619	139916	65060	0.465			

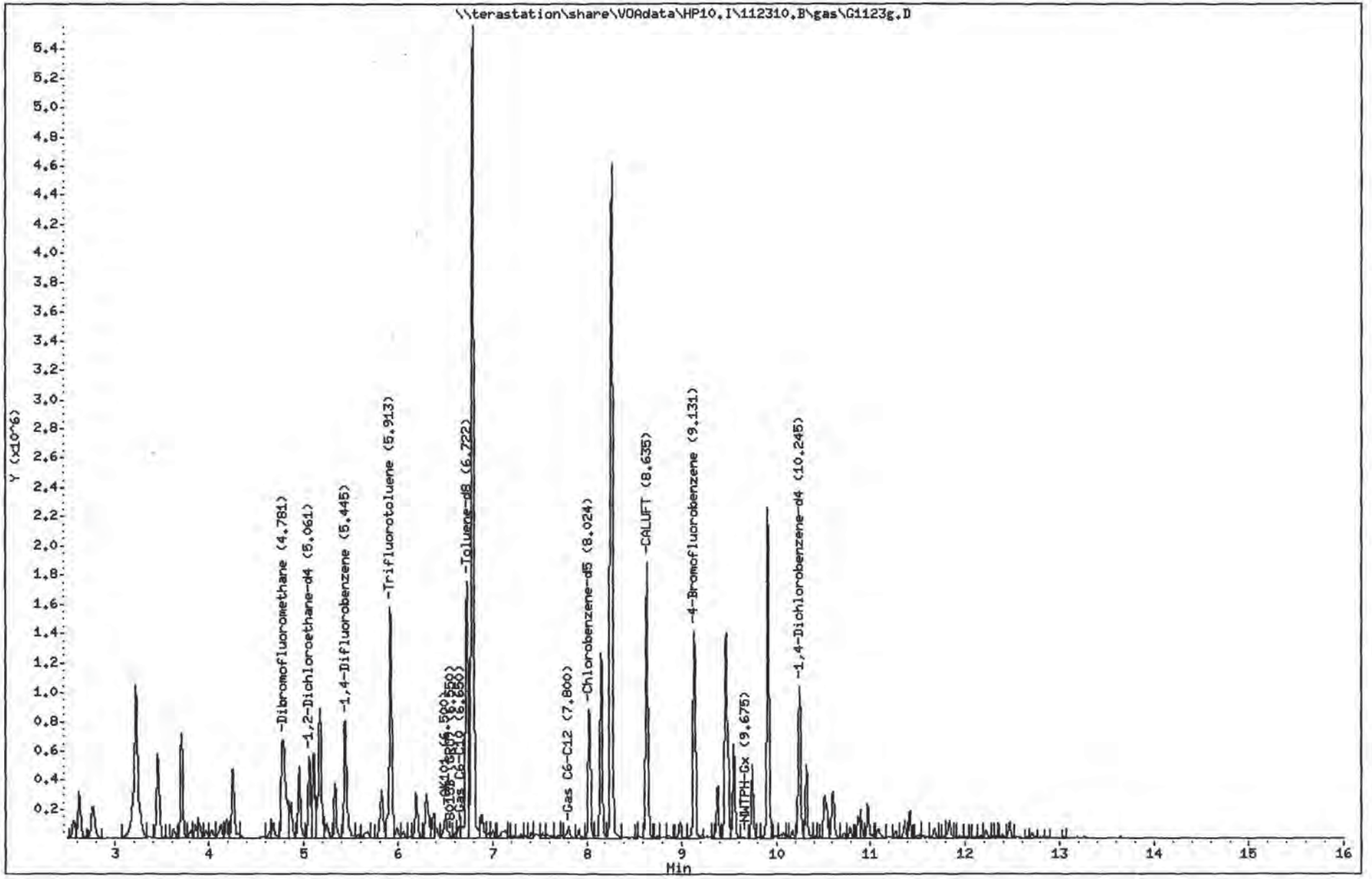
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.705	1373673	715696	0.521		
3.802	106966	57178	0.535		
3.857	160754	89921	0.559		
3.899	200541	99901	0.498		
3.966	108748	56279	0.518		
4.027	126796	53775	0.424		
4.118	240316	88715	0.369		
4.185	242941	130614	0.538		
4.252	1002096	478428	0.477		
4.648	80183	42760	0.533		
4.678	234065	101611	0.434		
4.867	488851	243117	0.497		
4.952	924280	494336	0.535		
5.110	1116893	577342	0.517		
5.177	2086089	881049	0.422		
5.244	229109	100146	0.437		
5.335	661477	376137	0.569		
5.572	60035	30725	0.512		
5.651	132379	38168	0.288		
5.828	766651	325036	0.424		
5.986	155674	77433	0.497		
6.047	100877	42880	0.425		
6.187	617992	310374	0.502		
6.296	764596	296565	0.388		
6.369	290536	164472	0.566		
6.497	407518	166910	0.410		
6.607	86460	44704	0.517		
6.637	154520	78720	0.509		
6.783	9538705	5556922	0.583		
6.880	378582	160078	0.423		
6.953	58202	32192	0.553		
7.002	90639	51390	0.567		
7.105	226815	48805	0.215		
7.215	43315	18337	0.423		
7.300	49849	24195	0.485		
7.416	78389	36395	0.464		
7.525	75199	40171	0.534		
7.580	86135	24686	0.287		
7.695	50946	17150	0.337		
7.805	200480	78853	0.393		
7.914	116637	63567	0.545		
8.152	2124675	1262117	0.594		
8.261	7696896	4619539	0.600		
8.535	18386	14498	0.789		
8.632	3076494	1881565	0.612		
8.742	43761	20717	0.473		
8.864	52573	17572	0.334		
8.985	223570	110861	0.496		
9.320	23100	15139	0.655		
9.381	587311	352889	0.601		
9.466	3130260	1396232	0.446		
9.551	1060922	638948	0.602		
6.722	3008351	1749064	0.581	3.64	5 Toluene-d8
7.800	51471606	27971392	0.543	-188.72	S 151 Gas C6-C12
9.746	829038	506517	0.611		

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
9.910	3594764	2256430	0.628			
10.050	110006	27552	0.250			
10.172	109094	54740	0.502			
10.324	857754	500858	0.584			
10.409	27831	16162	0.581			
10.518	772716	283995	0.368			
10.603	661621	313992	0.475			
10.719	78331	37587	0.480			
10.786	127290	73549	0.578			
10.871	242195	144193	0.595			
10.902	214315	136526	0.637			
10.975	421406	232091	0.551			
11.090	177836	69006	0.388			
11.279	85113	46703	0.549			
11.370	211993	117685	0.555			
11.425	296226	183970	0.621			
11.504	72335	20149	0.279			
11.686	135035	61313	0.454			
11.735	21356	13823	0.647			
11.802	37783	24154	0.639			
11.844	263695	123295	0.468			
11.942	31099	16232	0.522			
8.024	1551826	876475	0.565	1.87	6	Chlorobenzene-d5
8.635	42609389	23695464	0.556	51.56	S 149	CALUFT
9.131	2436438	1406983	0.577	2.94	7	4-Bromofluorobenzen
9.675	38914939	21998265	0.565	47.09	S 150	NWTPH-Gx
12.015	29039	13074	0.450			
12.106	19874	8603	0.433			
12.167	31539	16156	0.512			
12.222	120565	53259	0.442			
12.325	37040	17609	0.475			
12.398	52394	30516	0.582			
12.471	213812	115708	0.541			
10.245	1833092	1031450	0.563	2.21	8	1,4-Dichlorobenzene
12.666	15800	9566	0.605	0.01		
12.714	82712	40837	0.494	0.10		
12.860	19928	11531	0.579	0.02		
13.043	15803	8939	0.566	0.01		
	82625317	42176178		100.000		

Total unknown % area = 11.47

Data File: \\terastation\share\VOAdata\HP10.I\112310.B\gas\G1123g.D
Date : 23-NOV-2010 10:59
Client ID:
Sample Info: LCS GAS;PD;3;LCS;;5;;;;
Purge Volume: 5.0
Column phase: J&W DB-624

Instrument: HP10.i
Operator: PD
Column diameter: 0.53



Test America West Sacramento (916) 373 - 5600

TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\gas\G1123Ag.D
Lab Smp Id: LCSD GAS
Inj Date : 23-NOV-2010 11:22
Operator : PD Inst ID: HP10.i
Smp Info : LCSD GAS;PD;3;LCSD;;5;;;;
Misc Info : 1;WATER;0;TPHALL.sub;TPHALL.spk;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\gas\8260IIIGAS.M
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: ESTD
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 5 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon PD Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC 112310

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)	
3 1,4-Difluorobenzene	5.444	5.453	-0.009	1651030			(a)
6 Chlorobenzene-d5	8.024	8.026	-0.002	1551488			(a)
8 1,4-Dichlorobenzene-d4	10.250	10.247	0.003	1800823			(a)
1 Dibromofluoromethane	4.781	4.802	-0.021	2350627			(a)
2 1,2-Dichloroethane-d4	5.061	5.064	-0.003	1064083			(a)
5 Toluene-d8	6.722	6.725	-0.003	3102944			(a)
7 4-Bromofluorobenzene	9.131	9.134	-0.003	2595584			(a)
152 Trifluorotoluene	5.913	5.915	-0.002	2949651			(a)
S 147 8015B (GRO)	3.100-10.000			52123401	482.182	482.2	
S 148 AK101	3.600-9.400			38835621	479.999	480.0	
S 149 CALUFT	5.270-12.000			43537006	474.624	474.6	
S 150 NWTPH-Gx	6.750-12.600			39417769	479.156	479.2	
S 151 Gas C6-C12	3.600-12.000			52559248	479.227	479.2	
S 154 Gas C6-C10	3.600-9.700			43060385	479.284	479.3	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica

RECOVERY REPORT

Client Name:
Client SDG: I80
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: LCSD GAS
Level: LOW
Operator: PD
Data Type: GC DATA
SampleType: LCSD
SpikeList File: TPHALL.spk
Quant Type: ESTD
Sublist File: TPHALL.sub
Method File: \\terastation\share\VOAdata\HP10.I\112310.B\gas\8260IIIGAS.M
Misc Info: 1;WATER;0;TPHALL.sub;TPHALL.spk;1;;;;

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
S 147 8015B (GRO)	500.0	482.2	96.44	70-130
S 148 AK101	500.0	480.0	96.00	70-130
S 149 CALUFT	500.0	474.6	94.92	78-118
S 150 NWTPH-Gx	500.0	479.2	95.83	70-130
S 151 Gas C6-C12	500.0	479.2	95.85	67-136
S 154 Gas C6-C10	500.0	479.3	95.86	70-130

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LCSD GAS
Level: LOW Operator: PD
Data Type: MS DATA SampleType: LCSD
SpikeList File: TPHALL.spk Quant Type: ISTD
Sublist File: TPHALL.sub
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;TPHALL.sub;TPHALL.spk;1;;;;

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 4-Bromofluorobenze	20.0000	19.9502	99.75	66-121

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 4-Bromofluorobenze	20.0000	19.9502	99.75	66-121
$ 136 Trifluorotoluene	20.0000	22.9318	114.66	60-140

TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\gas\G1123Ag.D
Lab Smp Id: LCSD GAS
Inj Date : 23-NOV-2010 11:22
Operator : PD Inst ID: HP10.i
Smp Info : LCSD GAS;PD;3;LCSD;;5;;;;
Misc Info : 1;WATER;0;TPHALL.sub;TPHALL.spk;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\gas\8260IIIGAS.M
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: AREA%
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 5 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
1.448	133033	37333	0.281	0.15		
1.576	584062	162482	0.278	0.69		
1.922	78116	23178	0.297	0.09		
2.050	4009168	1217336	0.304	4.75		
2.251	127687	64774	0.507	0.15		
2.312	2701827	1192200	0.441	3.20		
2.452	487360	238870	0.490	0.57		
2.561	239911	120365	0.502	0.28		
2.622	697026	330918	0.475	0.82		
2.762	639395	208761	0.326	0.75		
4.782	2350627	687695	0.293	2.78		1 Dibromofluoromethan
5.062	1064083	596811	0.561	1.26		2 1,2-Dichloroethane-
5.445	1651031	792373	0.480	1.95		3 1,4-Difluorobenzene
5.913	2949652	1587675	0.538	3.49		152 Trifluorotoluene
6.500	38835621	21172398	0.545	46.07	S	148 AK101
6.550	52123401	27651398	0.530	61.83	S	147 8015B (GRO)
3.224	3309091	1074043	0.325			
3.455	1249002	577740	0.463			
6.650	43060385	23233113	0.540	51.08	S	154 Gas C6-C10

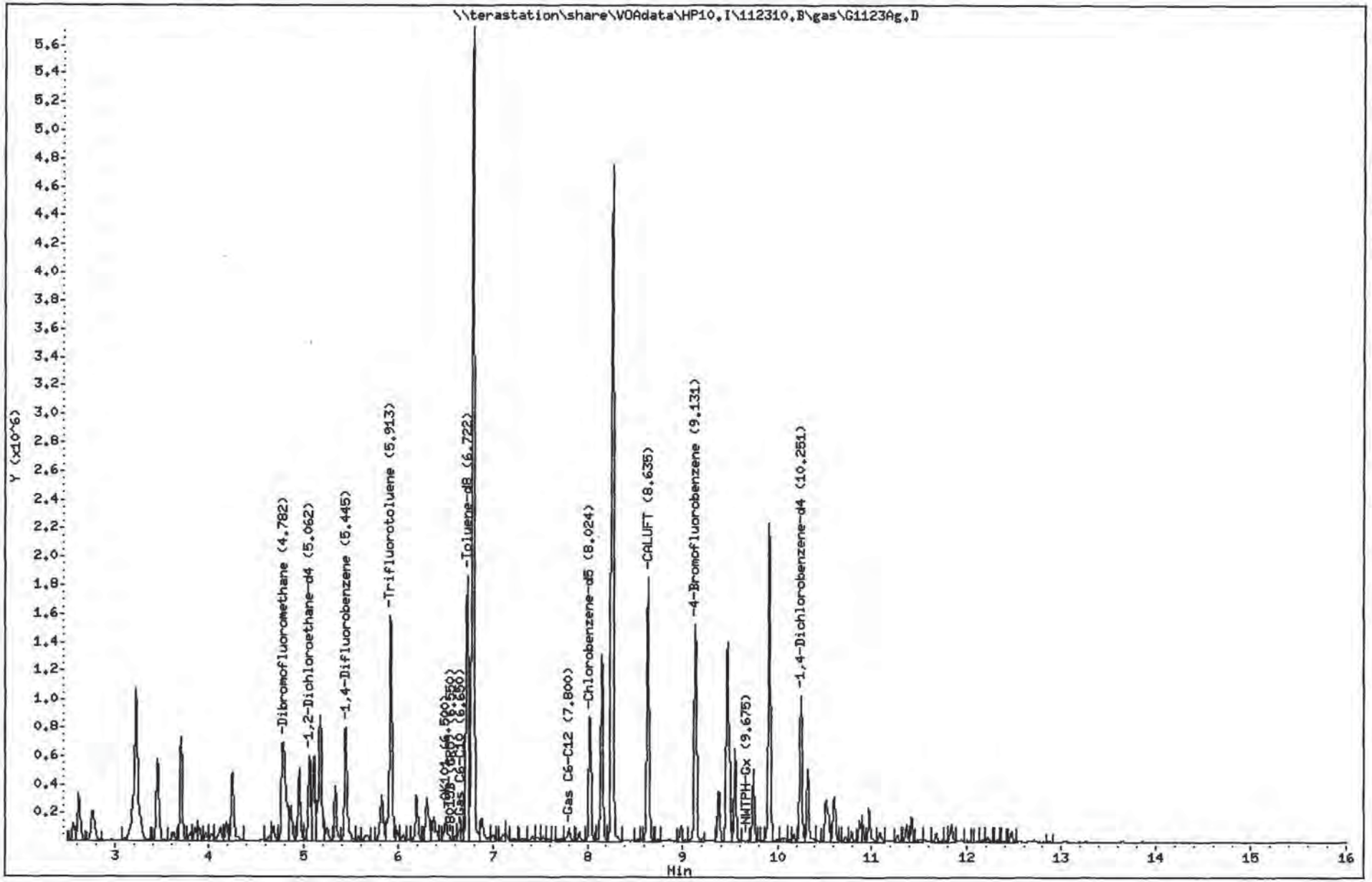
RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.626	141175	60997	0.432		
3.705	1399526	728860	0.521		
3.802	108204	54514	0.504		
3.857	167393	94026	0.562		
3.893	203708	99807	0.490		
3.966	110577	53420	0.483		
4.027	123071	51743	0.420		
4.119	247177	95081	0.385		
4.185	265085	129531	0.489		
4.252	1037525	476101	0.459		
4.642	81559	38703	0.475		
4.678	234856	108963	0.464		
4.867	494891	246079	0.497		
4.952	926336	512102	0.553		
5.110	1132049	592530	0.523		
5.171	2114850	887146	0.419		
5.244	234259	95365	0.407		
5.335	673580	380564	0.565		
5.579	60333	34366	0.570		
5.664	136810	39285	0.287		
5.822	774478	324072	0.418		
5.986	140720	76120	0.541		
6.047	107278	45148	0.421		
6.187	636491	321530	0.505		
6.296	763559	308400	0.404		
6.369	442090	172659	0.391		
6.497	409789	168417	0.411		
6.607	85577	40499	0.473		
6.643	141088	86509	0.613		
6.680	138530	89266	0.644		
6.783	9734854	5728067	0.588		
6.880	437418	167209	0.382		
7.002	93506	48107	0.514		
7.112	152257	51599	0.339		
7.221	56131	21700	0.387		
7.300	73750	20420	0.277		
7.416	87198	36523	0.419		
7.465	81053	29541	0.364		
7.531	83665	40368	0.482		
7.574	68595	22700	0.331		
7.677	76519	16194	0.212		
7.805	206708	91340	0.442		
7.915	126015	63441	0.503		
8.152	2145033	1312541	0.612		
8.261	7834024	4754631	0.607		
8.541	36291	16765	0.462		
8.633	3146044	1851349	0.588		
8.748	50637	20962	0.414		
8.985	226960	110955	0.489		
9.375	586397	356183	0.607		
9.466	3150860	1406682	0.446		
9.551	1073904	654033	0.609		
6.722	3102944	1862885	0.600	3.68	5 Toluene-d8
7.800	52559248	28530676	0.543	-189.05	S 151 Gas C6-C12
9.746	844029	512830	0.608		

RT	AREA	HEIGHT	HT/AREA	% AREA			COMPOUNDS
9.843	18910	12251	0.648				
9.910	3641985	2241421	0.615				
10.044	101817	26274	0.258				
10.111	43570	21320	0.489				
10.172	101843	53511	0.525				
10.324	888207	506757	0.571				
10.518	788414	301452	0.382				
10.604	642216	318583	0.496				
10.725	87125	40736	0.468				
10.786	132808	74602	0.562				
10.871	248108	153124	0.617				
10.902	220399	141488	0.642				
10.975	432728	238118	0.550				
11.090	170614	67316	0.395				
11.273	84283	47826	0.567				
11.370	219141	121657	0.555				
11.419	299493	182486	0.609				
11.504	70308	21017	0.299				
11.680	159915	67410	0.422				
11.790	23752	21586	0.909				
11.845	279200	125798	0.451				
8.024	1551488	878237	0.566	1.84		6	Chlorobenzene-d5
8.635	43537007	24205708	0.556	51.64	S	149	CALUFT
9.131	2595585	1523663	0.587	3.07		7	4-Bromofluorobenzen
9.675	39417769	22303654	0.566	46.76	S	150	NWTPH-Gx
12.009	30694	14488	0.472				
12.118	21314	11009	0.517				
12.167	36026	18888	0.524				
12.222	85975	33753	0.393				
12.325	46782	19125	0.409				
12.398	23706	12399	0.523				
12.471	146590	75119	0.512				
10.251	1800823	1031021	0.573	2.13		8	1,4-Dichlorobenzene
12.861	22707	10225	0.450	0.02			
	84294955	42934042		100.000			

Total unknown % area = 11.47

Data File: \\terastation\share\VOAdata\HP10.I\112310.B\gas\G1123Ag.D
Date : 23-NOV-2010 11:22
Client ID:
Sample Info: LCSD GAS;PD;3;LCSD;;5;;;;
Purge Volume: 5.0
Column phase: J&W DB-624

Instrument: HP10.i
Operator: PD
Column diameter: 0.53



Test America West Sacramento (916) 373 - 5600

TestAmerica West Sacramento

Method 8260B

Data file : \\terastation\share\voadata\HP10.I\112310.B\W1122.D
Lab Smp Id: VBLNK Aq
Inj Date : 23-NOV-2010 12:07
Operator : PD Inst ID: HP10.i
Smp Info : VBLNK Aq;PD;0;3;0;5;;;;
Misc Info : 1;WATER;0;I25QK01AP9.sub;;1;;;;
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Meth Date : 23-Nov-2010 10:31 tap Quant Type: ISTD
Cal Date : 04-NOV-2010 14:39 Cal File: HSL110408.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: I25QK01AP9.sub
Target Version: 4.14
Processing Host: SACPHP10

PD
112310

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Difluorobenzene	114	5.438	5.438	(1.000)	580107	10.0000	
* 2	Chlorobenzene-d5	117	8.024	8.024	(1.000)	495500	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	282384	10.0000	
$ 4	Dibromofluoromethane	111	4.775	4.775	(0.878)	339581	22.3033	22.3033
$ 5	1,2-Dichloroethane-d4	65	5.061	5.061	(0.931)	387074	22.9741	22.9741
$ 6	Toluene-d8	98	6.722	6.722	(1.236)	1131455	21.0324	21.0324
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.138)	428058	20.0673	20.0673
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane (**)	50	Compound Not Detected.					
10	Vinyl Chloride (*)	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Acrolein	56	Compound Not Detected.					
15	Trichlorotrifluoroethane	101	Compound Not Detected.					
16	Iodomethane	142	Compound Not Detected.					
17	1,1-Dichloroethene(*)	96	Compound Not Detected.					
18	Acetone	43	Compound Not Detected.					
19	Allyl Chloride	76	Compound Not Detected.					
21	Carbon disulfide	76	Compound Not Detected.					
22	Methylene Chloride	84	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
23	t-Butanol	59	Compound Not Detected.					
24	Hexane	57	Compound Not Detected.					
25	Methyl-t-butyl-ether	73	Compound Not Detected.					
26	trans-1,2-Dichloroethene	96	Compound Not Detected.					
27	Acrylonitrile	53	Compound Not Detected.					
28	Isopropyl ether	45	Compound Not Detected.					
29	Chloroprene	53	Compound Not Detected.					
30	1,1-Dichloroethane (**)	63	Compound Not Detected.					
31	Vinyl acetate	43	Compound Not Detected.					
32	t-Butyl-ethyl-ether	59	Compound Not Detected.					
33	2,2-Dichloropropane	77	Compound Not Detected.					
34	Propionitrile	54	Compound Not Detected.					
35	cis 1,2-Dichloroethene	96	Compound Not Detected.					
36	Tetrahydrofuran	42	Compound Not Detected.					
37	Methacrylonitrile	41	Compound Not Detected.					
38	2-Butanone	43	Compound Not Detected.					
39	Cyclohexane	56	Compound Not Detected.					
40	Bromochloromethane	128	Compound Not Detected.					
41	Chloroform (*)	83	Compound Not Detected.					
42	1,1,1-Trichloroethane	97	Compound Not Detected.					
43	Carbon Tetrachloride	117	Compound Not Detected.					
44	1,1-Dichloropropene	75	Compound Not Detected.					
45	t-Amyl-methyl-ether	73	Compound Not Detected.					
46	Isobutanol	43	Compound Not Detected.					
47	Benzene	78	Compound Not Detected.					
48	1,2-Dichloroethane	62	Compound Not Detected.					
49	Trichloroethene	95	Compound Not Detected.					
50	Methyl Methacrylate	41	Compound Not Detected.					
51	1,2-Dichloropropane(*)	63	Compound Not Detected.					
52	Dibromomethane	93	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	2-Chloroethyl vinyl ether	63	Compound Not Detected.					
56	cis-1,3-Dichloropropene (xtr)	75	Compound Not Detected.					
57	4-Methyl-2-pentanone	43	Compound Not Detected.					
58	Toluene (*)	92	Compound Not Detected.					
59	Ethyl Methacrylate	69	Compound Not Detected.					
60	trans-1,3-Dichloropropene(xt)	75	Compound Not Detected.					
61	1,1,2-Trichloroethane	97	Compound Not Detected.					
62	Tetrachloroethene	166	Compound Not Detected.					
63	1,3-Dichloropropane	76	Compound Not Detected.					
64	2-Hexanone	43	Compound Not Detected.					
65	Dibromochloromethane	129	Compound Not Detected.					
66	1,2-Dibromoethane	107	Compound Not Detected.					
67	1-Chlorohexane	91	Compound Not Detected.					
68	Chlorobenzene (**)	112	Compound Not Detected.					
69	Ethylbenzene (*)	106	Compound Not Detected.					
70	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
71	Xylenes (m,p)	106	Compound Not Detected.					
72	Xylene (o)	106	Compound Not Detected.					
73	Styrene	104	Compound Not Detected.					
74	Bromoform (**)	173	Compound Not Detected.					
75	Isopropylbenzene	105	Compound Not Detected.					
76	T-1,4-Dichloro-2-Butene	89	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	77 Bromobenzene	156	Compound Not Detected.					
	78 1,1,2,2-Tetrachloroethane(**)	83	Compound Not Detected.					
	79 N-Propylbenzene	91	Compound Not Detected.					
	80 1,2,3-Trichloropropane	110	Compound Not Detected.					
	81 2-Chlorotoluene	91	Compound Not Detected.					
	82 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	83 4-Chlorotoluene	91	Compound Not Detected.					
	84 T-Butylbenzene	119	Compound Not Detected.					
	85 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	86 Sec-Butylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 P-Isopropyltoluene	119	Compound Not Detected.					
	89 1,4-Dichlorobenzene	146	Compound Not Detected.					
	90 N-Butylbenzene	91	Compound Not Detected.					
	91 1,2-Dichlorobenzene	146	Compound Not Detected.					
	92 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	93 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 Hexachlorobutadiene	225	Compound Not Detected.					
	95 Naphthalene	128	Compound Not Detected.					
	96 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
M	97 1,2-Dichloroethene (Total)	96	Compound Not Detected.					
M	98 Xylenes (Total)	106	Compound Not Detected.					

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: W1122.D
Lab Smp Id: VBLNK Aq
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Calibration Date: 23-NOV-2010
Calibration Time: 10:14
Level: LOW
Sample Type: WATER
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;I25QK01AP9.sub;;1;;;;

Test Mode:
Use Initial Calibration Level 5.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	580107	-31.79
2 Chlorobenzene-d5	706704	353352	1413408	495500	-29.89
3 1,4 Dichlorobenze	409715	204858	819430	282384	-31.08

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	-0.00
2 Chlorobenzene-d5	8.02	7.52	8.52	8.02	-0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	-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.

TestAmerica West Sacramento

RECOVERY REPORT

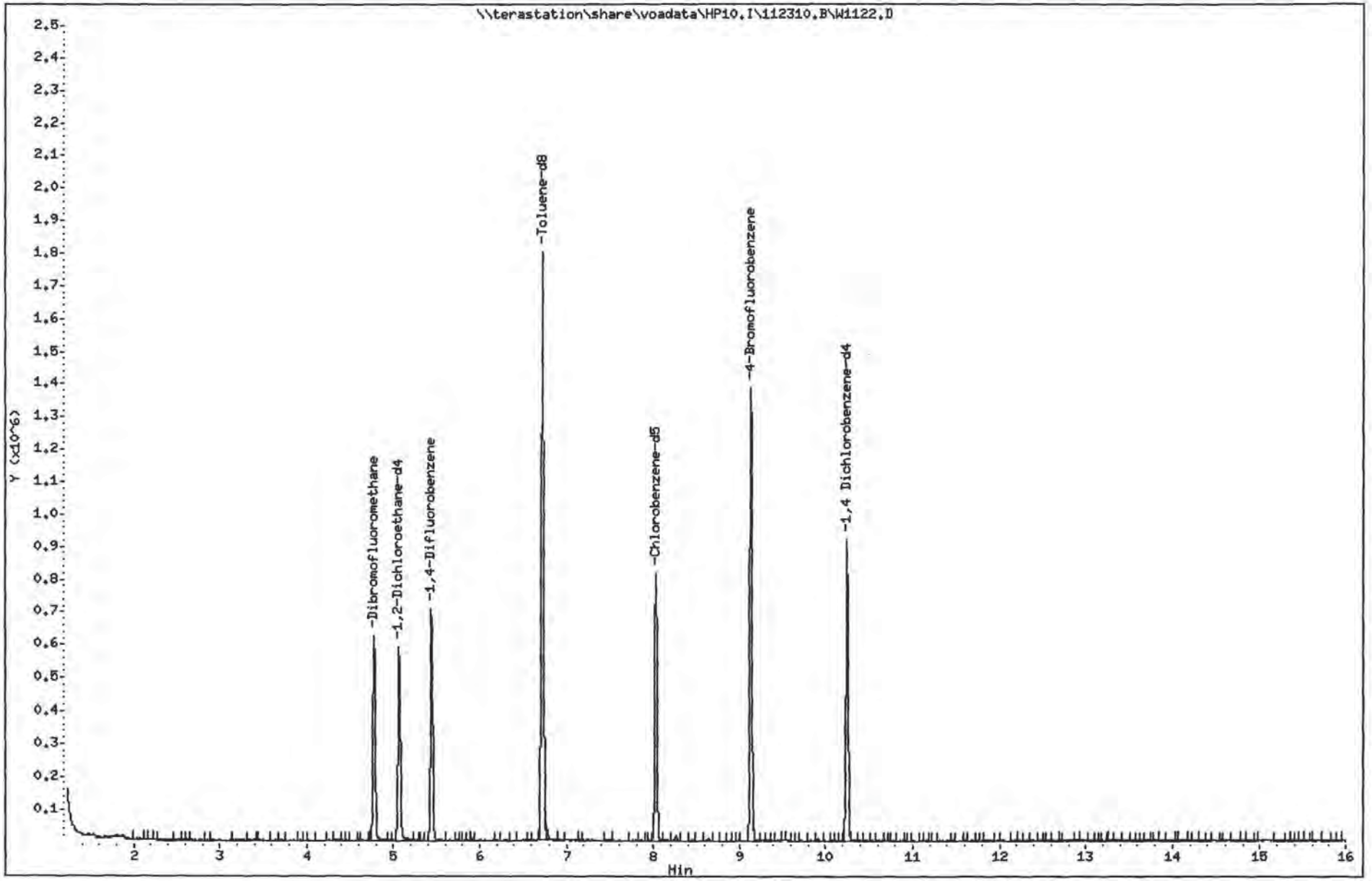
Client Name: Client SDG: I80
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: VBLNK Aq
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: I25QK01AP9.sub
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;I25QK01AP9.sub;;1;;;;

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	20.0000	22.3033	111.52	76-120
$ 5 1,2-Dichloroethane	20.0000	22.9741	114.87	76-120
$ 6 Toluene-d8	20.0000	21.0324	105.16	75-120
$ 7 4-Bromofluorobenze	20.0000	20.0673	100.34	75-120

Data File: \\terastation\share\voadata\HP10.I\112310.B\W1122.D
Date : 23-NOV-2010 12:07
Client ID:
Sample Info: VBLNK Aq;PD;0;3;0;5;;;;
Purge Volume: 5.0
Column phase:

Instrument: HP10.i

Operator: PD
Column diameter: 0.53



TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\gas\W1122g.D
Lab Smp Id: VBLNK Aq
Inj Date : 23-NOV-2010 12:07
Operator : PD Inst ID: HP10.i
Smp Info : VBLNK Aq;PD;0;3;0;5;;;;
Misc Info : 1;WATER;0;I25QK01AP9.sub;;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\gas\8260IIIGAS.M
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: ESTD
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC

PD
112310

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)	
3	1,4-Difluorobenzene	5.438	5.453	-0.015	1229026			(a)
6	Chlorobenzene-d5	8.024	8.026	-0.002	1418621			(a)
8	1,4-Dichlorobenzene-d4	10.250	10.247	0.003	1523819			(a)
1	Dibromofluoromethane	4.775	4.802	-0.027	1155533			(a)
2	1,2-Dichloroethane-d4	5.061	5.064	-0.003	1109230			(a)
5	Toluene-d8	6.722	6.725	-0.003	3017322			(a)
7	4-Bromofluorobenzene	9.131	9.134	-0.003	2290390			(a)
152	Trifluorotoluene	Compound Not Detected.						
S 147	8015B (GRO)	3.100-10.000			28819	0.26660	0.266	(a)
S 148	AK101	3.600-9.400			28819	0.35620	0.356	(a)
S 149	CALUFT	5.270-12.000			28819	0.31417	0.314	(a)
S 150	NWTPH-Gx	6.750-12.600			28819	0.35032	0.350	(a)
S 151	Gas C6-C12	3.600-12.000			28819	0.26277	0.263	(a)
S 154	Gas C6-C10	3.600-9.700			28819	0.32077	0.321	(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: VBLNK Aq
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: I25QK01AP9.sub
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;I25QK01AP9.sub;;1;;;;

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	20.0000	22.3033	111.52	76-120
$ 5 1,2-Dichloroethane	20.0000	22.9741	114.87	76-120
$ 6 Toluene-d8	20.0000	21.0324	105.16	75-120
$ 7 4-Bromofluorobenze	20.0000	20.0673	100.34	75-120

TestAmerica

Gasoline by GC/MS

Data file : \\terastation\share\VOAdata\HP10.I\112310.B\gas\W1122g.D
Lab Smp Id: VBLNK Aq
Inj Date : 23-NOV-2010 12:07
Operator : PD Inst ID: HP10.i
Smp Info : VBLNK Aq;PD;0;3;0;5;;;;
Misc Info : 1;WATER;0;I25QK01AP9.sub;;1;;;;
Comment :
Method : \\terastation\share\VOAdata\HP10.I\112310.B\gas\8260IIIGAS.M
Meth Date : 23-Nov-2010 10:26 dibbsrodri Quant Type: AREA%
Cal Date : 04-NOV-2010 19:07 Cal File: GAS110408.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TPHALL.sub
Target Version: 4.14
Processing Host: SACPC

Concentration Formula: Amt * DF * Uf * Vod/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Unit Fctor
Vod	5.000	Default Sample Volume
Vo	5.000	Sample Volume
Cpnd Variable		Local Compound Variable

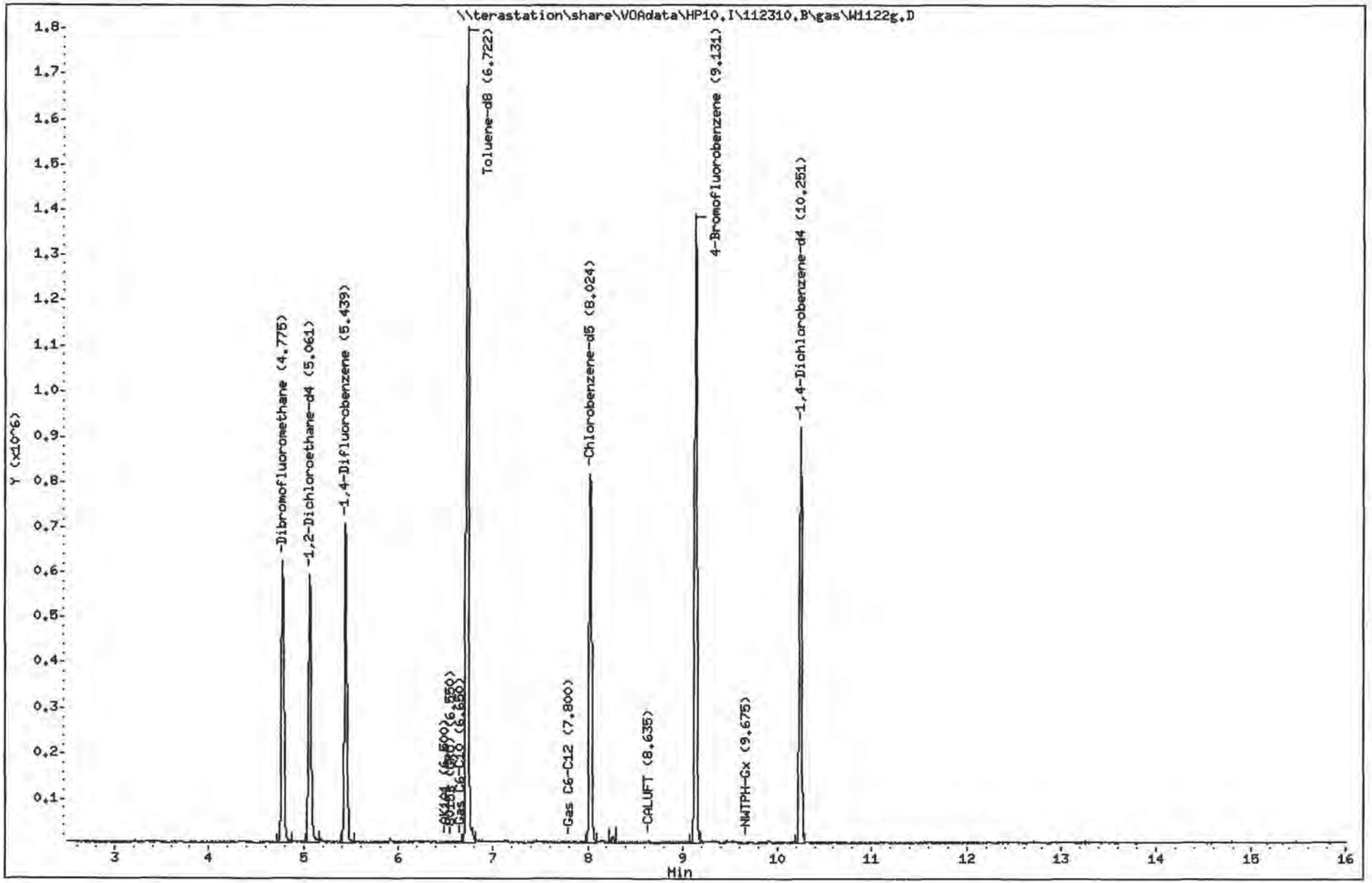
RT	AREA	HEIGHT	HT/AREA	% AREA		COMPOUNDS
4.775	1155533	623173	0.539	9.81		1 Dibromofluoromethan
5.061	1109230	592028	0.534	9.42		2 1,2-Dichloroethane-
5.439	1229026	708751	0.577	10.43		3 1,4-Difluorobenzene
6.500	28819	15610	0.542	0.24	S	148 AK101
6.550	28819	15610	0.542	0.24	S	147 8015B (GRO)
6.650	28819	15610	0.542	0.24	S	154 Gas C6-C10
8.261	28819	15610	0.542			
6.722	3017322	1802487	0.597	24.46		5 Toluene-d8
7.800	28819	15610	0.542	0.24	S	151 Gas C6-C12
8.024	1418622	817850	0.577	12.05		6 Chlorobenzene-d5
8.635	28819	15610	0.542	0.24	S	149 CALUFT
9.131	2290391	1389275	0.607	19.45		7 4-Bromofluorobenzen
9.675	28819	15610	0.542	0.24	S	150 NWTPH-Gx

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
10.251	1523819	920456	0.604	12.94	8 1,4-Dichlorobenzene
	11772764	6869630		100.000	

Total unknown % area = 0.000

Data File: \\terastation\share\VOAdata\HP10.I\112310.B\gas\W1122g.D
Date : 23-NOV-2010 12:07
Client ID:
Sample Info: VBLNK Aq;PD;0;3;0;5;;;;
Purge Volume: 5.0
Column phase: J&W DB-624

Instrument: HP10.i
Operator: PD
Column diameter: 0.53



TestAmerica West Sacramento

Method 8260B

Data file : \\terastation\share\voadata\HP10.I\112310.B\SA112312.D
Lab Smp Id: MAC6D1AA G0K200425-
Inj Date : 23-NOV-2010 17:48
Operator : PD Inst ID: HP10.i
Smp Info : MAC6D1AA G0K200425-13 1X;PD;0;3;;5;;;;
Misc Info : 1;WATER;0;I25QKD4.sub;;1;;;;
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Meth Date : 23-Nov-2010 12:56 dibbsp Quant Type: ISTD
Cal Date : 04-NOV-2010 14:39 Cal File: HSL110408.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: I25QKD4.sub
Target Version: 4.14
Processing Host: SACPHP10

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Surr↓

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Difluorobenzene	114	5.438	5.438	(1.000)	530757	10.0000	
* 2 Chlorobenzene-d5	117	8.024	8.024	(1.000)	476998	10.0000	
* 3 1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	263995	10.0000	
$ 4 Dibromofluoromethane	111	4.775	4.775	(0.878)	203767	14.6275	14.6275(R)
$ 5 1,2-Dichloroethane-d4	65	5.061	5.061	(0.931)	223958	14.5286	14.5286
$ 6 Toluene-d8	98	6.722	6.722	(1.236)	650825	13.2229	13.2229(R)
$ 7 4-Bromofluorobenzene	95	9.131	9.131	(1.138)	237368	11.5594	11.5594(R)
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane (**)	50	Compound Not Detected.					
10 Vinyl Chloride (*)	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Trichlorotrifluoroethane	101	Compound Not Detected.					
17 1,1-Dichloroethene(*)	96	Compound Not Detected.					
18 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Methylene Chloride	84	Compound Not Detected.					
23 t-Butanol	59	Compound Not Detected.					
25 Methyl-t-butyl-ether	73	Compound Not Detected.					
26 trans-1,2-Dichloroethene	96	Compound Not Detected.					

11/24/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	30 1,1-Dichloroethane (**)	63	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	35 cis 1,2-Dichloroethene	96	Compound Not Detected.					
	38 2-Butanone	43	Compound Not Detected.					
	40 Bromochloromethane	128	Compound Not Detected.					
	41 Chloroform (*)	83	Compound Not Detected.					
	42 1,1,1-Trichloroethane	97	Compound Not Detected.					
	43 Carbon Tetrachloride	117	Compound Not Detected.					
	44 1,1-Dichloropropene	75	Compound Not Detected.					
	47 Benzene	78	Compound Not Detected.					
	48 1,2-Dichloroethane	62	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	51 1,2-Dichloropropane(*)	63	Compound Not Detected.					
	52 Dibromomethane	93	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	56 cis-1,3-Dichloropropene (xtr)	75	Compound Not Detected.					
	57 4-Methyl-2-pentanone	43	Compound Not Detected.					
	58 Toluene (*)	92	Compound Not Detected.					
	60 trans-1,3-Dichloropropene(xt)	75	Compound Not Detected.					
	61 1,1,2-Trichloroethane	97	Compound Not Detected.					
	62 Tetrachloroethene	166	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 2-Hexanone	43	Compound Not Detected.					
	65 Dibromochloromethane	129	Compound Not Detected.					
	66 1,2-Dibromoethane	107	Compound Not Detected.					
	68 Chlorobenzene (**)	112	Compound Not Detected.					
	69 Ethylbenzene (*)	106	Compound Not Detected.					
	70 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	71 Xylenes (m,p)	106	Compound Not Detected.					
	72 Xylene (o)	106	Compound Not Detected.					
	73 Styrene	104	Compound Not Detected.					
	74 Bromoform (**)	173	Compound Not Detected.					
	75 Isopropylbenzene	105	Compound Not Detected.					
	77 Bromobenzene	156	Compound Not Detected.					
	78 1,1,2,2-Tetrachloroethane(**)	83	Compound Not Detected.					
	79 N-Propylbenzene	91	Compound Not Detected.					
	80 1,2,3-Trichloropropane	110	Compound Not Detected.					
	81 2-Chlorotoluene	91	Compound Not Detected.					
	82 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	83 4-Chlorotoluene	91	Compound Not Detected.					
	84 T-Butylbenzene	119	Compound Not Detected.					
	85 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	86 Sec-Butylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 P-Isopropyltoluene	119	Compound Not Detected.					
	89 1,4-Dichlorobenzene	146	Compound Not Detected.					
	90 N-Butylbenzene	91	Compound Not Detected.					
	91 1,2-Dichlorobenzene	146	Compound Not Detected.					
	92 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	93 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 Hexachlorobutadiene	225	Compound Not Detected.					
	95 Naphthalene	128	Compound Not Detected.					
	96 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
M	98 Xylenes (Total)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: SA112312.D
Lab Smp Id: MAC6D1AA G0K200425-
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;I25QKD4.sub;;1;;;;

Calibration Date: 23-NOV-2010
Calibration Time: 10:14
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	530757	-37.59
2 Chlorobenzene-d5	706704	353352	1413408	476998	-32.50
3 1,4 Dichlorobenze	409715	204858	819430	263995	-35.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	0.00
2 Chlorobenzene-d5	8.02	7.52	8.52	8.02	0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	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.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: I80
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: MAC6D1AA G0K200425-
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: I25QKD4.sub
Method File: \\Terastation\share\VOAData\HP10.I\112310.b\8260ALOW.m
Misc Info: 1;WATER;0;I25QKD4.sub;;1;;;;

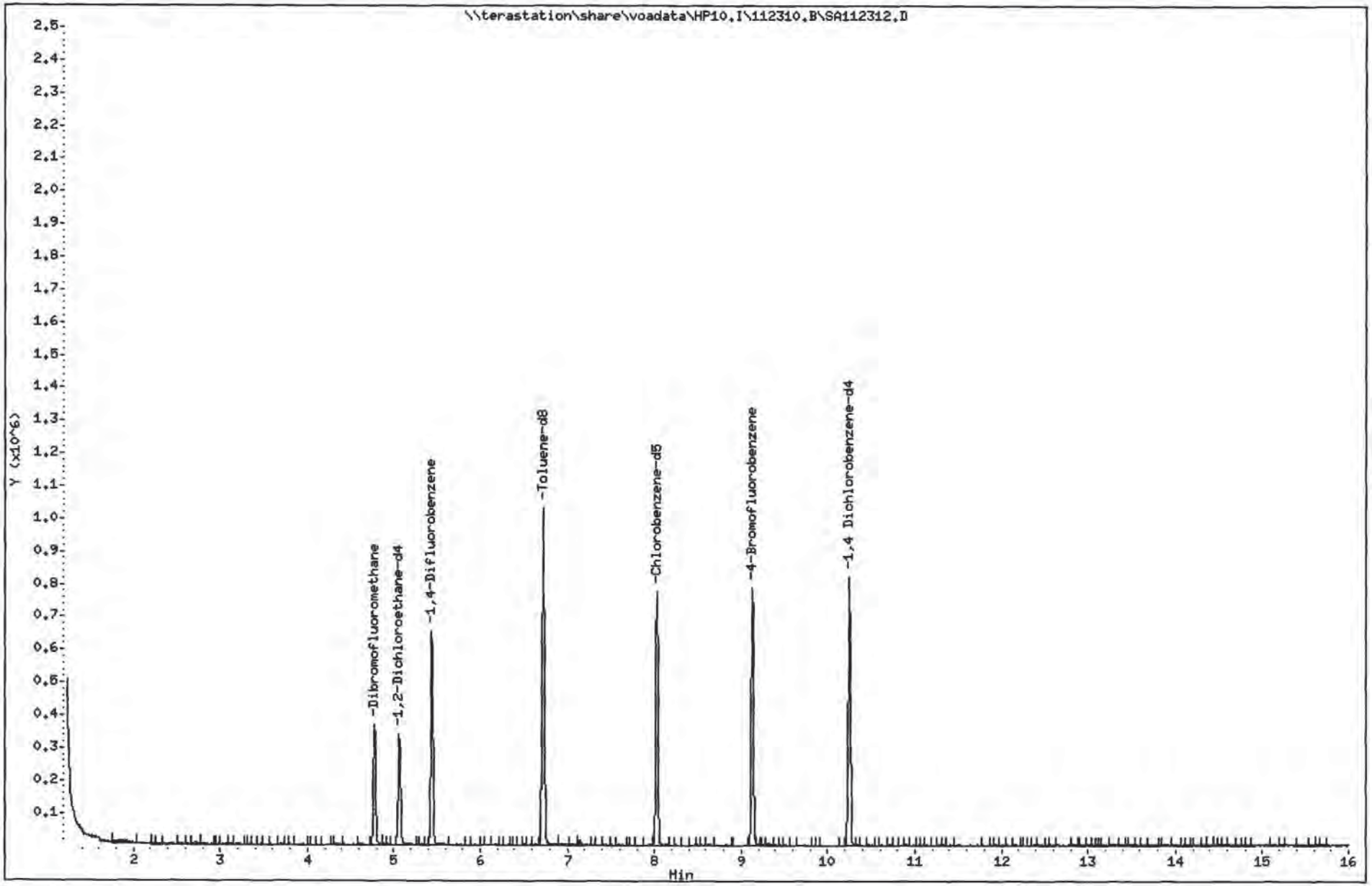
SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	20.0000	14.6275	73.14*	85-115
$ 5 1,2-Dichloroethane	20.0000	14.5286	72.64	70-120
$ 6 Toluene-d8	20.0000	13.2229	66.11*	85-120
$ 7 4-Bromofluorobenze	20.0000	11.5594	57.80*	75-120

Data File: \\terastation\share\voadata\HP10.I\112310.B\SA112312.D
Date : 23-NOV-2010 17:48
Client ID:
Sample Info: MAC6D1AA G0K200425-13 1X;PD;0;3;;5;;;;

Instrument: HP10.i

Purge Volume: 5.0
Column phase:

Operator: PD
Column diameter: 0.53



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8260B ICAL Checklist

Instrument: HP10	Matrix: **Water And Medium Level Soils**
ICAL Date: November 4, 2010 PD	BFB ID: BFB1104, BFB1105
Initiator/Date: 10/25/2010	Standard ID: HSL110401 - HSL110408
	Second Source ID: ICVHSL1105
Reviewer/Date: 11/8/10	NCM #: None

I: 8260B Criteria

	Initiated	Reviewed
The Tune documentation is present and meets criteria	☒	☑
All Internal Standards within 50-200% of ICAL mid-point.	☒	☑
Calibration history included.	☒	☑
Manual re-integrations are checked, initialed and hardcopies included.	☒	☑
If for DoD work, are the compounds which required manual integrations documented in the MI spreadsheet?	☒	☑
Standards analyzed within 12 hours of Tune time.	☒	☑
Retention time correct for isomers and all other analytes.	☒	☑
The second source standard meets the SSCS criteria	☒	☑
The custom.rp shows that the average of the RSDs for the ICAL is less than 15%.	☒	☑
New standards changed on the logbook file.	☒	☑
Curve recipes are included.	☒	☑
Quadratic and/or Linear Regressions $r^2 \geq 0.990$ (coeff of determination) ($r \geq 0.995$, correlation coefficient) and intercept < (RL / IS amount) or < (½ RL / IS amount)	☒	☑
Analytes using same quantitation mass and close elution times checked.		

Mass	Target ID#	Analytes		
101	13, 15	Trichlorofluoromethane & Trichlorotrifluoroethane	☒	☑
96	17, 26, 35	1,1-Dichloroethene, trans-1,2-Dichloroethene & cis-1,2-Dichloroethene	☒	☑
43	31, 38	Vinyl Acetate & 2-Butanone	☒	☑
106, 104	71, 72, 73	Xylenes (m,p) & Xylene (o) & Styrene	☒	☑
105	75, 82, 85, 86	Isopropylbenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene & Sec-Butylbenzene	☒	☑
146	87, 89, 91	1,3-Dichlorobenzene, 1,4-dichlorobenzene & 1,2-Dichlorobenzene	☒	☑
91	79, 81, 83, 90	N-Propylbenzene, 2-Chlorotoluene, 4-Chlorotoluene & N-Butylbenzene	☒	☑
180	93, 96	1,2,4-Trichlorobenzene & 1,2,3-Trichlorobenzene	☒	☑

II: 8260B SPCC Check

SPCC Average RRFs must be greater than the acceptable minimum RRF.

RRF > 0.10	Initiated	Reviewed	RRF > 0.30	Initiated	Reviewed
Chloromethane	☒	☑	1,1,2,2-Tetrachloroethane	☒	☑
1,1-Dichloroethane	☒	☑	Chlorobenzene	☒	☑
Bromoform	☒	☑			

III: 8260B CCC Check

% RSDs must be < 30% (If no CCCs are targets, all analytes must pass 15%)

	Initiated	Reviewed		Initiated	Reviewed
Vinyl Chloride	☒	☑	1,2-Dichloropropane	☒	☑
1,1-Dichloroethene	☒	☑	Toluene	☒	☑
Chloroform	☒	☑	Ethylbenzene	☒	☑

Instrument: HP10

Matrix: **Water And Medium Level Soils**

ICAL Date: November 4, 2010

IV: QSM V4 Requirement Notes:

The following compounds are forced through zero:
1,4 Dioxane, 1,2-Dibromo-3-chloropropane, Napthalene, 1,2,3-Trichlorobenzene

Second Source Compounds Over 20% *(Write compound and %RSD)*
1,4-Dioxane @ 25%d (OK, problematic compound for QSM V4.1 allow 30%D)

V: Non-CCC Compounds Over 15% *(Write compound and %RSD)*

None

VI: Second Source Compounds Over 25% *(Write compound and %D)*

None

VII: Notes:

UCL for all compounds is 80 ppb except for the following:

2-CHloroethyl vinyl ether (60ppb)

LCL for all compounds is 0.50 ppb except for the following:

Acetone (1ppb)

Calibration Range for all surrogates is 0.5 to 80 ppb except for the following:

None

LOD/LOQ passed for QSM V4.1.

TestAmerica West Sacramento
GC/MS VOA INSTRUMENT LOG

Page# 1

8260B / Gas

SOP : WS-MS-0007 Rev# 4.2

Standard ID's

BFB-50 10MSV0086	8260-IS 10MSV0505	8260-SURR 10MSV0503	
TCLA 10MSV0492	TCLA SS 10MSV0473	TFT-SURR 10MSV0502	
TCLB 10MSV0497	TCLB SS 10MSV0444		
Odd #1 10MSV0493	Odd #1 ss 10MSV0467	WDM 10MSV0012	
Odd #2 10MSV0494	Odd #2 SS 10MSV0468	Gasoline (ps) 10MSV0507	
VA 10MSV0498	VA SS 10MSV0446	Gasoline (ss) 10MSV0482	
AP9A 10MSV0416	AP9A SS 10MSV0409		
AP9B 10MSV0419	AP9B SS 10MSV0422	Gasoline Stock 10MSV0506	
ACRLN 10MSV0412	ACRLN SS 10MSV0415	**Second Source used for ICV only**	

Inst ID : HP10.i
Batch ID : 110410.B
Matrix : WATER
Level : LOW
Name/date: PD/ 110510

Gas Key: 1=CA-LUFT 2=8015-Mod(C6-C12)
3=AK101 4=NW-TPH
5=Other (C___-C___)

HSL ICAL# 110410 GAS ICAL# 110410 AP9 ICAL#_____

Batch#_____

8260B[ ] Gas[ ] 8260B[ ] Gas[ ] 8260B[ ] Gas[ ] 8260B[ ] Gas[ ] 8260B[ ] Gas[ ]

Lot(s)#_____

Lot(s)#_____

QC WO#_____/___

Date	Time	Optr	Sample ID	File ID	Vol or Wt	AS Posn	Vial #	pH <2	Comments
04-NOV-2010	09:34	PD	COB-Aq	COB01.D	5 mL	49			
04-NOV-2010	09:56	PD	COB-Aq	COB02.D	5 mL	50			
04-NOV-2010	10:18	PD	COB-Aq	COB03.D	5 mL	51			
04-NOV-2010	11:04	PD	50ng BFB 1ul di	BFB1104.D	0 mL	51			
04-NOV-2010	11:19	PD	COB-Aq	COB04.D	5 mL	1			
04-NOV-2010	11:41	PD	COB-Aq	COB05.D	5 mL	2			
04-NOV-2010	12:03	PD	HSL_0.25/0.5	HSL110401	5 mL	3			OK
04-NOV-2010	12:25	PD	HSL_0.5/1.0	HSL110402	5 mL	4			OK
04-NOV-2010	12:47	PD	HSL_1.0/2.0	HSL110403	5 mL	5			OK
04-NOV-2010	13:10	PD	HSL_4	HSL110404	5 mL	6			OK
04-NOV-2010	13:32	PD	HSL_20	HSL110405	5 mL	7			OK
04-NOV-2010	13:54	PD	HSL_40	HSL110406	5 mL	8			OK
04-NOV-2010	14:16	PD	HSL_60	HSL110407	5 mL	9			OK
04-NOV-2010	14:39	PD	HSL_800	HSL110408	5 mL	10			OK
04-NOV-2010	15:01	PD	COB-Aq	COB06.D	5 mL	11			
04-NOV-2010	15:23	PD	COB-Aq	COB07.D	5 mL	12			
04-NOV-2010	15:46	PD	ICVHSL1104	ICVHSL110	5 mL	13			RR w/diff CCD mix source
04-NOV-2010	16:08	PD	COB-Aq	COB08.D	5 mL	14			
04-NOV-2010	16:31	PD	GAS 50	GAS110401	5 mL	15			OK
04-NOV-2010	16:53	PD	GAS 100	GAS110402	5 mL	16			OK
04-NOV-2010	17:15	PD	GAS 500	GAS110403	5 mL	17			OK
04-NOV-2010	17:38	PD	GAS 1000	GAS110404	5 mL	18			OK
04-NOV-2010	18:00	PD	GAS 2500	GAS110405	5 mL	19			OK
04-NOV-2010	18:22	PD	GAS 5000	GAS110406	5 mL	20			OK
04-NOV-2010	18:44	PD	GAS 7500	GAS110407	5 mL	21			OK
04-NOV-2010	19:07	PD	GAS 10000	GAS110408	5 mL	22			OK
04-NOV-2010	19:29	PD	COB-Aq	COB09.D	5 mL	23			
04-NOV-2010	19:51	PD	COB-Aq	COB10.D	5 mL	24			
04-NOV-2010	20:13	PD	GAS_500_ICV	ICVGAS110	5 mL	25			↑C6-C10 RR w/diff source.

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Calibration File Names:
Level 1: \\terastation\share\VOAdata\VOAdata\HP10.I\110410.B\HSL110401.D
Level 2: \\terastation\share\VOAdata\VOAdata\HP10.I\110410.B\HSL110402.D
Level 3: \\terastation\share\VOAdata\VOAdata\HP10.I\110410.B\HSL110403.D
Level 4: \\terastation\share\VOAdata\VOAdata\HP10.I\110410.B\HSL110404.D
Level 5: \\terastation\share\VOAdata\VOAdata\HP10.I\110410.B\HSL110405.D
Level 6: \\terastation\share\VOAdata\VOAdata\HP10.I\110410.B\HSL110406.D
Level 7: \\terastation\share\VOAdata\VOAdata\HP10.I\110410.B\HSL110407.D
Level 8: \\terastation\share\VOAdata\VOAdata\HP10.I\110410.B\HSL110408.D

Compound	0.2500000 Level 1	0.5000000 Level 2	1.0000 Level 3	4.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	60.0000 Level 7	80.0000 Level 8									
8 Dichlorodifluoromethane	+++++	0.17281	0.20765	0.23745	0.24432	0.24389					
	0.22176	0.23841					AVRG		0.22376		11.66783
9 Chloromethane (**)	+++++	0.26987	0.26545	0.27726	0.26518	0.25980					
	0.24040	0.25046					AVRG		0.26120		4.73292
10 Vinyl Chloride (*)	+++++	0.26659	0.28080	0.28103	0.27308	0.26927					
	0.24931	0.26087					AVRG		0.26870		4.18800

Manual calculation for Dibromomethane @ Level 3:

$\frac{12376}{749116} \times \frac{10}{1} = 0.16543$ RJ 1/3/10

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Compound	0.2500000 Level 1	0.5000000 Level 2	1.0000 Level 3	4.0000 Level 4	20.0000 Level 5	40.0000 Level 6	60.0000 Level 7	80.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2
11 Bromomethane	+++++	0.20117	0.21240	0.20979	0.18397	0.19421	0.17000	0.15853	AVRG		0.19001		10.66235
12 Chloroethane	+++++	0.17278	0.16615	0.17816	0.16616	0.16302	0.15236	0.16230	AVRG		0.16585		4.93699
13 Trichlorofluoromethane	+++++	0.28407	0.32439	0.33319	0.33609	0.36164	0.31778	0.34480	AVRG		0.32885		7.39507
14 Acrolein	0.01827	0.02388	0.01681	0.01693	0.02017	0.01838	+++++	0.01855	AVRG		0.01900		12.78228
15 Trichlorotrifluoroethane	+++++	0.19937	0.21033	0.20580	0.20044	0.19527	0.17928	0.19899	AVRG		0.19864		4.91737
16 Iodomethane	0.49886	0.49397	0.55241	0.51677	0.60513	0.50102	+++++	0.52182	AVRG		0.52714		7.52457
17 1,1-Dichloroethene(*)	+++++	0.19138	0.20542	0.21299	0.20214	0.19824	0.19669	0.20562	AVRG		0.20178		3.50703

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	60.0000 Level 7	80.0000 Level 8									
18 Acetone	+++++	+++++	0.19417	0.13568	0.14100	0.14947					
	0.14321	0.15095					AVRG		0.15241		13.91591
19 Allyl Chloride	0.20050	0.17882	0.21215	0.18960	0.21371	0.18138					
	+++++	0.19230					AVRG		0.19549		7.10212
21 Carbon disulfide	+++++	0.63198	0.65233	0.70651	0.70615	0.70934					
	0.66559	0.73909					AVRG		0.68728		5.52348
22 Methylene Chloride	+++++	0.25142	0.28021	0.26566	0.24421	0.24358					
	0.23562	0.24585					AVRG		0.25236		6.09535
23 t-Butanol	+++++	0.06644	0.06820	0.06950	0.06697	0.07126					
	0.06987	0.07401					AVRG		0.06947		3.76443
24 Hexane	0.42564	0.40378	0.50684	0.48204	0.54131	0.45497					
	+++++	0.46507					AVRG		0.46852		10.00118
25 Methyl-t-butyl-ether	+++++	0.64281	0.66311	0.67014	0.64772	0.66344					
	0.60982	0.66496					AVRG		0.65171		3.21409

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	Compound	0.2500000 Level 1	0.5000000 Level 2	1.0000 Level 3	4.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
		60.0000 Level 7	80.0000 Level 8									
26	trans-1,2-Dichloroethene	+++++	0.26925	0.27103	0.27272	0.26129	0.25822					
		0.25274	0.25563					AVRG		0.26441		2.77089
27	Acrylonitrile	+++++	0.13872	0.15115	0.16380	0.16360	0.16901					
		0.15663	0.16800					AVRG		0.15870		6.82109
28	Isopropyl ether	1.24310	1.22951	1.38000	1.28396	1.47529	1.23087					
		+++++	1.27813					AVRG		1.30298		7.06078
29	Chloroprene	0.60856	0.62170	0.66447	0.65227	0.73101	0.61756					
		+++++	0.64128					AVRG		0.64812		6.42321
30	1,1-Dichloroethane (**)	+++++	0.39097	0.42269	0.43803	0.42382	0.41558					
		0.40841	0.43295					AVRG		0.41892		3.77778
31	Vinyl acetate	+++++	0.55347	0.55458	0.59551	0.59603	0.62303					
		0.61211	0.60910					AVRG		0.59198		4.66383
32	t-Butyl-ethyl-ether	1.15116	1.07467	1.21363	1.09719	1.24386	1.02976					
		+++++	1.04797					AVRG		1.12261		7.35818

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	Compound	0.2500000 Level 1	0.5000000 Level 2	1.0000 Level 3	4.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
		60.0000 Level 7	80.0000 Level 8									
33	2,2-Dichloropropane	+++++	0.27756	0.30058	0.29810	0.28763	0.29191					
		0.28127	0.29678					AVRG		0.29055		3.01935
34	Propionitrile	+++++	0.08659	0.11086	0.11131	0.12749	0.10429					
		+++++	0.10304					AVRG		0.10726		12.45592
35	cis 1,2-Dichloroethene	+++++	0.27364	0.27128	0.29464	0.28483	0.28218					
		0.27228	0.28530					AVRG		0.28059		3.06583
36	Tetrahydrofuran	+++++	+++++	0.30959	0.28202	0.32422	0.26652					
		+++++	0.27644					AVRG		0.29176		8.28661
37	Methacrylonitrile	0.39144	0.33368	0.39632	0.37986	0.48702	0.40474					
		+++++	0.41227					AVRG		0.40076		11.44924
38	2-Butanone	+++++	0.31525	0.32387	0.25061	0.24576	0.25473					
		0.24437	0.25511					AVRG		0.26996		12.67456
39	Cyclohexane	0.66530	0.53644	0.65989	0.61812	0.70244	0.60499					
		+++++	0.60419					AVRG		0.62734		8.61457

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	60.0000 Level 7	80.0000 Level 8									
40 Bromochloromethane	+++++	0.15520	0.16512	0.15741	0.15694	0.15594					
	0.14576	0.15284					AVRG		0.15560		3.71389
41 Chloroform (*)	+++++	0.38121	0.40392	0.43296	0.42369	0.42026					
	0.40939	0.43127					AVRG		0.41467		4.38740
42 1,1,1-Trichloroethane	+++++	0.33994	0.34572	0.35400	0.35420	0.35520					
	0.34899	0.37040					AVRG		0.35264		2.71227
43 Carbon Tetrachloride	+++++	0.28439	0.30307	0.30691	0.31843	0.31945					
	0.31858	0.33741					AVRG		0.31261		5.30635
44 1,1-Dichloropropene	+++++	0.31192	0.35269	0.33268	0.32551	0.32913					
	0.32395	0.34026					AVRG		0.33088		3.91386
45 t-Amyl-methyl-ether	1.11189	1.04695	1.19544	1.09415	1.24456	1.02592					
	+++++	1.02562					AVRG		1.10636		7.71670
46 Isobutanol	0.06135	0.05425	0.05642	0.05414	0.06188	0.05198					
	+++++	0.04846					AVRG		0.05550		8.73687

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	60.0000 Level 7	80.0000 Level 8									
47 Benzene	+++++	0.99198	1.05029	1.03774	1.01901	1.00155					
	0.98853	1.03430					AVRG		1.01763		2.37838
48 1,2-Dichloroethane	+++++	0.30847	0.34000	0.34239	0.33937	0.34725					
	0.33195	0.35377					AVRG		0.33760		4.30453
49 Trichloroethene	+++++	0.26609	0.27148	0.27329	0.25973	0.25671					
	0.24951	0.26188					AVRG		0.26267		3.18585
50 Methyl Methacrylate	0.52661	0.51475	0.56776	0.54176	0.61902	0.51225					
	+++++	0.54280					AVRG		0.54642		6.81648
51 1,2-Dichloropropane(*)	+++++	0.20529	0.22884	0.23329	0.23043	0.23316					
	0.22382	0.23538					AVRG		0.22717		4.56085
52 Dibromomethane	+++++	0.17249	0.16543	0.16156	0.16612	0.17060					
	0.16205	0.16965					AVRG		0.16684		2.53392
53 1,4-Dioxane	+++++	4302	9098	39831	197211	430749					
	610723	896906					QUAD	0.000e+000	223	-28.91508	0.99895

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	60.0000 Level 7	80.0000 Level 8									
54 Bromodichloromethane	+++++	0.26148	0.26908	0.28994	0.30747	0.31514					
	0.30600	0.32467					AVRG		0.29625		8.00235
55 2-Chloroethyl vinyl ether	+++++	0.12493	0.14736	0.15500	0.17789	0.18930					
	0.18379	+++++					AVRG		0.16305		15.28113 <- OK
56 cis-1,3-Dichloropropene (xtr)	+++++	0.32245	0.34829	0.36663	0.38160	0.40446					
	0.39328	0.41774					AVRG		0.37635		8.81527
57 4-Methyl-2-pentanone	+++++	0.34196	0.39438	0.39982	0.43453	0.45285					
	0.43593	0.45697					AVRG		0.41663		9.79126
58 Toluene (*)	+++++	0.63006	0.68082	0.66204	0.64912	0.65152					
	0.63580	0.66723					AVRG		0.65380		2.71673
59 Ethyl Methacrylate	0.56985	0.58540	0.66152	0.62921	0.72803	0.61743					
	+++++	0.63994					AVRG		0.63305		8.25963
60 trans-1,3-Dichloropropene(xt)	+++++	0.26807	0.29268	0.32284	0.34825	0.37725					
	0.36920	0.39609					AVRG		0.33920		13.80585

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61 1,1,2-Trichloroethane	+++++	0.22665	0.25079	0.24547	0.24088	0.24372							
	0.23253	0.24114							AVRG		0.24017		3.38294
62 Tetrachloroethene	0.27651	0.44927	0.45010	0.44712	0.41124	0.39987							
	0.38867	0.40850							AVRG		0.40391		14.07145
63 1,3-Dichloropropane	0.35916	0.50416	0.51925	0.53973	0.51791	0.52419							
	0.49711	0.52352							AVRG		0.49813		11.56727
64 2-Hexanone	+++++	0.32055	0.35097	0.36729	0.39797	0.42343							
	0.40785	0.43032							AVRG		0.38548		10.50861
65 Dibromochloromethane	+++++	0.26262	0.26343	0.29910	0.32620	0.34201							
	0.32357	0.34450							AVRG		0.30878		11.20629
66 1,2-Dibromoethane	0.20913	0.29872	0.31178	0.33719	0.33577	0.34409							
	0.32292	0.34207							AVRG		0.31271		14.30519
67 1-Chlorohexane	+++++	0.44172	0.39830	0.40520	0.41378	0.41811							
	0.39206	0.43033							AVRG		0.41422		4.24747

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	60.0000 Level 7	80.0000 Level 8										
68 Chlorobenzene (**)	0.59452	0.91514	0.91803	0.92962	0.88769	0.88187						
	0.84549	0.89270					AVRG		0.85813		12.78308	
69 Ethylbenzene (*)	0.30479	0.45684	0.44402	0.48142	0.47181	0.46909						
	0.44821	0.47257					AVRG		0.44359		12.97279	
70 1,1,1,2-Tetrachloroethane	0.19708	0.27768	0.28762	0.31088	0.31327	0.31926						
	0.30571	0.31997					AVRG		0.29143		14.06009	
71 Xylenes (m,p)	0.36039	0.54542	0.59010	0.61621	0.59596	0.59690						
	0.57781	0.61315					AVRG		0.56199		15.02189	<- OK
72 Xylene (o)	0.33922	0.52135	0.55945	0.59561	0.57116	0.57332						
	0.54823	0.57827					AVRG		0.53583		15.39062	<- OK
73 Styrene	+++++	0.73321	0.80751	0.90173	0.95406	0.99122						
	0.95097	1.01668					AVRG		0.90791		11.32148	
74 Bromoform (**)	3129	6076	12445	58361	381737	850765						
	1221945	1763561					QUAD	0.02474	3.73843	-0.19186	0.99918	

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Compound	0.2500000 Level 1 / 60.0000 Level 7	0.5000000 Level 2 / 80.0000 Level 8	1.0000 Level 3	4.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
75 Isopropylbenzene	0.83620	1.21868	1.29793	1.40004	1.35072	1.36641					
	1.31506	1.39428					AVRG		1.27241		14.60501
76 T-1,4-Dichloro-2-Butene	3221	5868	25084	55712	118457	238055					
	+++++	499603					QUAD	0.000e+000	6.09798	-0.26432	0.99818
77 Bromobenzene	0.65580	0.69227	0.80668	0.78425	0.74838	0.73083					
	0.70996	0.73305					AVRG		0.73265		6.61558
78 1,1,2,2-Tetrachloroethane(**)	+++++	0.67652	0.73621	0.75126	0.73578	0.73494					
	0.69789	0.71388					AVRG		0.72093		3.63624
79 N-Propylbenzene	1.99079	2.51962	2.75733	2.86632	2.82154	2.79934					
	2.73738	2.83058					AVRG		2.66536		10.98380
80 1,2,3-Trichloropropane	0.22419	0.32608	0.30757	0.30362	0.29524	0.29146					
	0.27635	0.28466					AVRG		0.28865		10.43990
81 2-Chlorotoluene	1.36146	1.67224	1.75407	1.72647	1.65297	1.62070					
	1.57516	1.61371					AVRG		1.62210		7.44128

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	Compound	0.2500000 Level 1 / 60.0000 Level 7	0.5000000 Level 2 / 80.0000 Level 8	1.0000 Level 3	4.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
82	1,3,5-Trimethylbenzene	1.44811	1.76672	1.84480	2.05441	2.01885	2.00773					
		1.94044	2.02954					AVRG		1.88883		10.81313
83	4-Chlorotoluene	1.40534	1.80878	1.89198	1.99944	1.95689	1.92568					
		1.87372	1.94716					AVRG		1.85113		10.22254
84	T-Butylbenzene	1.39276	1.81250	1.89572	1.93004	1.87694	1.82347					
		1.74301	1.81369					AVRG		1.78614		9.47842
85	1,2,4-Trimethylbenzene	1.33285	1.81273	1.92011	2.05394	2.06282	2.05660					
		1.99824	2.08572					AVRG		1.91538		13.18824
86	Sec-Butylbenzene	1.88056	2.42697	2.52315	2.66734	2.60476	2.63210					
		2.49562	2.61159					AVRG		2.48026		10.28323
87	1,3-Dichlorobenzene	1.02405	1.21374	1.29645	1.37560	1.30732	1.27970					
		1.24434	1.29893					AVRG		1.25502		8.34026
88	P-Isopropyltoluene	1.52443	1.92401	2.15703	2.26863	2.29758	2.30347					
		2.23604	2.33329					AVRG		2.13056		13.03438

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2010 20:20
End Cal Date : 04-NOV-2010 14:39
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\terastation\share\VOAdata\HP10.I\SrcMeths\8260ALOW.M
Last Edit : 05-Nov-2010 11:07 dibbsp

	Compound	0.2500000 Level 1	0.5000000 Level 2	1.0000 Level 3	4.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
		60.0000 Level 7	80.0000 Level 8									
89	1,4-Dichlorobenzene	1.13764	1.38563	1.44783	1.37202	1.31838	1.31582					
		1.27071	1.32491					AVRG		1.32162		6.95039
90	N-Butylbenzene	+++++	1.35624	1.55785	1.75984	1.83082	1.86470					
		1.81852	1.90160					AVRG		1.72708		11.47729
91	1,2-Dichlorobenzene	0.99218	1.19523	1.29015	1.31759	1.25790	1.23317					
		1.18059	1.24017					AVRG		1.21337		8.25195
92	1,2-Dibromo-3-chloropropane	835	1643	3864	17790	111350	256858					
		380653	548595					QUAD	0.000e+000	7.41561	-0.85756	0.99981
93	1,2,4-Trichlorobenzene	5337	10613	21000	120282	711225	1540047					
		2207942	3214999					QUAD	0.00340	1.21609	-0.01759	0.99941
94	Hexachlorobutadiene	0.38129	0.48084	0.45947	0.49739	0.47867	0.49323					
		0.46878	0.48341					AVRG		0.46789		7.91822
95	Naphthalene	13452	22628	44032	264754	1761506	4011140					
		5891723	8570992					QUAD	0.000e+000	0.47665	-0.00358	0.99971

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2010 20:20
End Cal Date : 04-NOV-2010 14:39
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\terastation\share\VOAdata\HP10.I\SrcMeths\8260ALOW.M
Last Edit : 05-Nov-2010 11:07 dibbsp

	Compound	0.2500000 Level 1	0.5000000 Level 2	1.0000 Level 3	4.0000 Level 4	20.0000 Level 5	40.0000 Level 6	60.0000 Level 7	80.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
96	1,2,3-Trichlorobenzene	4227	7602	16932	101443	599803	1330000								
		1905963	2754438							QUAD	0.000e+000	1.41163	-0.02293	0.99953	
M 97	1,2-Dichloroethene (Total)	+++++	0.27144	0.27115	0.28368	0.27306	0.27020								
		0.26251	0.27546							AVRG		0.27250		2.33118	
M 98	Xylenes (Total)	0.35333	0.53740	0.57988	0.60934	0.58769	0.58904								
		0.56795	0.60152							AVRG		0.55327		15.13579	<- OK
137	2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++								
		+++++	+++++							AVRG		0.000e+000		0.000e+000	<-
138	Heptane	+++++	+++++	+++++	+++++	+++++	+++++								
		+++++	+++++							AVRG		0.000e+000		0.000e+000	<-
139	Decane	+++++	+++++	+++++	+++++	+++++	+++++								
		+++++	+++++							AVRG		0.000e+000		0.000e+000	<-
140	Dodecane	+++++	+++++	+++++	+++++	+++++	+++++								
		+++++	+++++							AVRG		0.000e+000		0.000e+000	<-

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2010 20:20
End Cal Date : 04-NOV-2010 14:39
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\terastation\share\VOAdata\HP10.I\SrcMeths\8260ALOW.M
Last Edit : 05-Nov-2010 11:07 dibbsp

Compound	0.2500000 Level 1	0.5000000 Level 2	1.0000 Level 3	4.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	60.0000 Level 7	80.0000 Level 8									
$ 4 Dibromofluoromethane	+++++	0.26736	0.27563	0.26595	0.26086	0.25198					
	0.25886	0.25659					AVRG		0.26246		2.98975
$ 5 1,2-Dichloroethane-d4	+++++	0.31624	0.31670	0.28209	0.27937	0.27299					
	0.28107	0.28458					AVRG		0.29043		6.24467
$ 6 Toluene-d8	+++++	0.94497	0.99025	0.91363	0.90540	0.89366					
	0.92088	0.92262					AVRG		0.92734		3.44881
$ 7 4-Bromofluorobenzene	+++++	0.48579	0.45562	0.43047	0.40901	0.40538					
	0.41344	0.41377					AVRG		0.43050		6.93762
$ 136 Trifluorotoluene	+++++	0.43769	0.54824	0.50679	0.51671	0.48407					
	0.51606	0.51662					AVRG		0.50374		6.88877

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2010 20:20
End Cal Date : 04-NOV-2010 14:39
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\terastation\share\VOAdata\HP10.I\SrcMeths\8260ALOW.M
Last Edit : 05-Nov-2010 11:07 dibbsp

Average %RSD Results.

Calculated Average %RSD = 8.00134
Maximun Average %RSD = 15.00000
* Passed Average %RSD Test.

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Signal Calibration Report

Method : \\Terastation\share\VOAData\HP10.I\110410.B\8260ALOW.M
Last Edit: 08-Nov-2010 08:18 dibbsp
Compound : 74 Bromoform (**)
Mass: 173.00
Istd Compound: * 2 Chlorobenzene-d5

Calibration Formulas

Calibration Mode: by Response

Curve Type: Averaged
Origin: None
Amt = Rsp/m1
m1 = 0.23829472400000
RSD: 25.107

Initial Calibration Table

Lvl	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	8.821	0.25000	3129	8.030	10.00000000	916575	0.13655183700188
2	8.827	0.50000	6076	8.030	10.00000000	644206	0.18863531230693
3	8.834	1.00000	12445	8.030	10.00000000	605242	0.20562023124634
4	8.827	4.00000	58361	8.030	10.00000000	660413	0.22092614772877
5	8.827	20.00000	381737	8.030	10.00000000	706704	0.27008266544409
6	8.827	40.00000	850765	8.031	10.00000000	723779	0.29386214576549
7	8.827	60.00000	1221945	8.030	10.00000000	717384	0.28388910262844
8	8.827	80.00000	1763561	8.030	10.00000000	718553	0.30679034810237

Lvl	Sublist	Calibration File
1	1_8260	HSL110401
2	1_8260	HSL110402
3	1_8260	HSL110403
4	1_8260	HSL110404
5	1_8260	HSL110405
6	1_8260	HSL110406
7	1_8260	HSL110407
8	1_8260	HSL110408

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	8.827	20.000	381737	8.030	10.00000000	706704	0.27008266544409
2	8.827	20.000	370379	8.030	10.00000000	695127	0.26641102992691
3	8.827	20.000	381737	8.030	10.00000000	706704	0.27008266544409
Avg	8.827	20.000	377951	8.030	10.00000000	235568	0.26885878693836

Ind	Sublist	Calibration File
1	1_8260	HSL110405
2	1_8260	ICVHSL1104
3	1_8260	HSL110405

Report Date: 04-Nov-2010 15:42

Calibration History

Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.M
Start Cal Date: 04-NOV-2010 12:03
End Cal Date : 04-NOV-2010 14:39
Last Cal Level: 8
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.25000		
04-NOV-2010 12:03	1_8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110401.D
Cal Level: 2 , Cal Amount: 0.50000		
04-NOV-2010 12:25	1_8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110402.D
Cal Level: 3 , Cal Amount: 1.00000		
04-NOV-2010 12:47	1_8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110403.D
Cal Level: 4 , Cal Amount: 4.00000		
04-NOV-2010 13:10	1_8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110404.D
Cal Level: 5 , Cal Amount: 20.00000		
04-NOV-2010 13:32	1_8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110405.D
Cal Level: 6 , Cal Amount: 40.00000		
04-NOV-2010 13:54	1_8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110406.D
Cal Level: 7 , Cal Amount: 60.00000		
04-NOV-2010 14:16	1_8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110407.D
Cal Level: 8 , Cal Amount: 80.00000		

04-NOV-2010 14:39	1 8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110408.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

04-NOV-2010 13:32	1 8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110405.D
04-NOV-2010 13:32	1 8260	\\terastation\share\VOAdata\HP10.I\110410.B\HSL110405.D

8260 Liquid Curve

50 mL

Calibration Point	Final Volume	Concentration (ug/L)	Auto Internal Standard (50ug/mL)	Surrogate (100ug/mL)	*ICAL Mix (5-10ug/mL)	TCLA and TCLB (200ug/mL)	ODD #1 and #2 (200-5000ug/mL)	Vinyl Acetate (200ug/mL)
1	50 mL	0.25 / 0.50	1.0uL	-----	2.5uL	-----	-----	-----
2	50 mL	0.5 / 1.0	1.0uL	0.5uL	5uL	-----	-----	-----
3	50 mL	1.0 / 2.0	1.0uL	1uL	10uL	-----	-----	-----
4	50 mL	4	1.0uL	2uL	-----	1uL	1uL	1uL
5 (CCV)	50 mL	20	1.0uL	10uL	-----	5uL	5uL	5uL
6	50 mL	40	1.0uL	20uL	-----	10uL	10uL	10uL
7	50 mL	60	1.0uL	30uL	-----	15uL	15uL	15uL
8	50 mL	80	1.0uL	40uL	-----	20uL	20uL	20uL

BFB	1uL	50ug/mL	Direct Inject

ANALYST: Raleem Dibbs DATE: 110410

*ICAL Mix (5-10ug/ml) = 400ul F.V. (350ul MeOH + 10ul TCLA + 10ul TCLB + 10ul Odd #1 + 10ul Odd #2 + 10ul VA)

Daily QC

QC	Final Volume	Concentration (ug/L)	Auto Internal Standard (50ug/mL)	Auto Surrogate (100ug/mL)		SS TCLA and SS TCLB (200ug/mL)	SS ODD #1 and SS ODD #2 (200-5000ug/mL)	SS Vinyl Acetate (200ug/mL)
LCS/LCSD	100 mL	20	1.0uL	1.0uL		10uL	10uL	10uL

ANALYST: Raleem Dibbs DATE: 110410

COMMENTS:

TestAmerica

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\BFB1104.D
Lab Smp Id: bfb
Inj Date : 04-NOV-2010 11:04
Operator : PD Inst ID: HP10.i
Smp Info : 50ng BFB 1ul di;PD
Misc Info : 1;WATER;0;all.sub;;0;5
Comment :
Method : \\terastation\share\VOAdata\HP10.I\110410.B\390BFB10.m
Meth Date : 13-Oct-2010 14:52 dibbsp Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 51 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3_BFB.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SACPC

PD
PD 11/4
110410

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb10						CAS #: 460-00-4		
3.338	3.338	(0.000)	95	1090048			0.00- 100.00	91.22
3.338	3.338	(0.000)	50	178688			15.00- 40.00	16.39
3.338	3.338	(0.000)	75	488960			30.00- 60.00	44.86
3.338	3.338	(0.000)	96	73520			5.00- 9.00	6.74
3.338	3.338	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
3.338	3.338	(0.000)	174	1195008			50.00- 0.00	109.63
3.338	3.338	(0.000)	175	84176			5.00- 9.00	7.04
3.338	3.338	(0.000)	176	1162752			95.00- 101.00	97.30
3.338	3.338	(0.000)	177	77944			5.00- 9.00	6.70

Data File: \\terastation\share\VOAdata\HP10.I\110410.B\BFB1104.D

Date : 04-NOV-2010 11:04

Client ID:

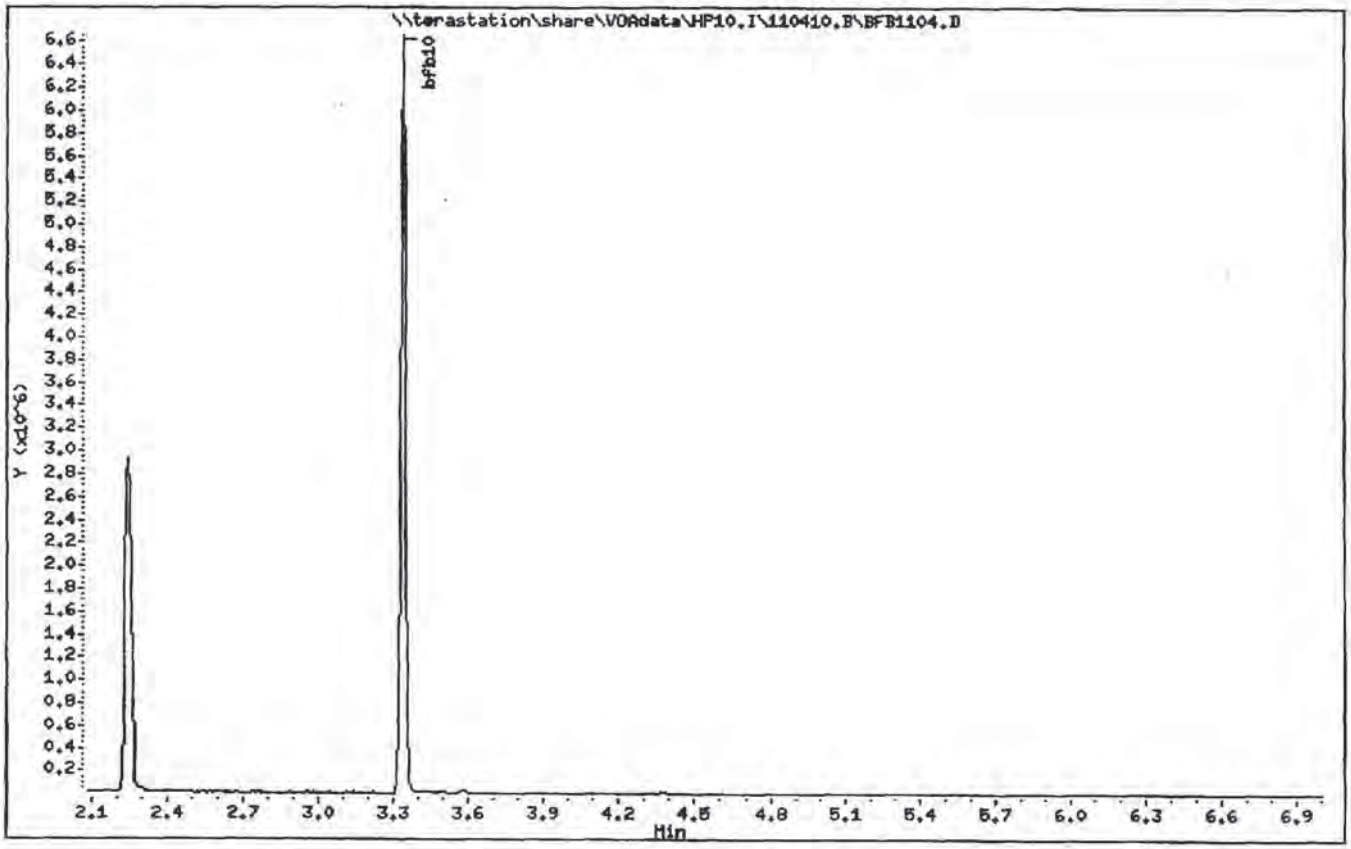
Instrument: HP10.i

Sample Info: 50ng BFB 1ul di;PD

Operator: PD

Column phase:

Column diameter: 2.00



Data File: \\terastation\share\VOAdata\HP10.I\110410.B\BFB1104.D

Date : 04-NOV-2010 11:04

Client ID:

Instrument: HP10.i

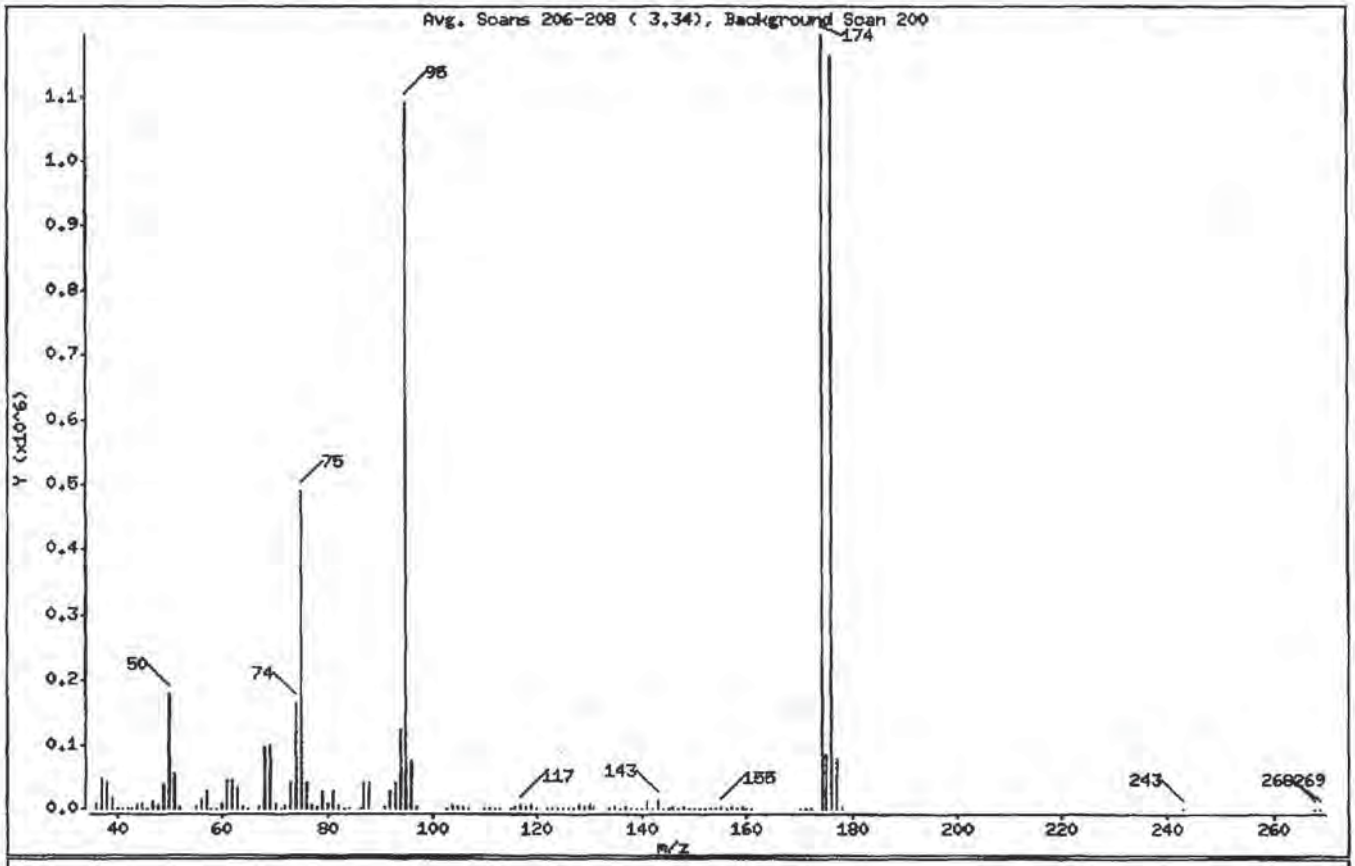
Sample Info: 50ng BFB 1ul di;PD

Operator: PD

Column phase:

Column diameter: 2.00

1 bfb10



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.39
75	30.00 - 60.00% of mass 95	44.86
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	109.63
175	5.00 - 9.00% of mass 174	7.72 (7.04)
176	95.00 - 101.00% of mass 174	106.67 (97.30)
177	5.00 - 9.00% of mass 176	7.15 (6.70)

Data File: \\terastation\share\VOAdata\HP10.I\110410.B\BFB1104.D

Date : 04-NOV-2010 11:04

Client ID:

Instrument: HP10.i

Sample Info: 50ng BFB 1ul di;PD

Operator: PD

Column phase:

Column diameter: 2.00

Data File: BFB1104.D
Spectrum: Avg. Scans 206-208 (3.34), Background Scan 200
Location of Maximum: 174.00
Number of points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8225	70.00	7840	111.00	895	146.00	1705
37.00	46728	71.00	287	112.00	595	147.00	775
38.00	41560	72.00	4600	113.00	959	148.00	2566
39.00	16936	73.00	42200	115.00	1210	149.00	755
40.00	640	74.00	164544	116.00	3607	150.00	1364
41.00	51	75.00	488960	117.00	6180	151.00	80
42.00	155	76.00	41688	118.00	3969	152.00	876
43.00	411	77.00	5793	119.00	5576	153.00	1058
44.00	5439	78.00	3514	120.00	297	154.00	652
45.00	8307	79.00	26712	122.00	319	155.00	3123
46.00	748	80.00	7228	123.00	482	156.00	259
47.00	11610	81.00	28160	124.00	920	157.00	1740
48.00	5383	82.00	5888	125.00	371	158.00	182
49.00	37192	83.00	797	126.00	459	159.00	1588
50.00	178688	84.00	149	127.00	381	160.00	118
51.00	54000	86.00	983	128.00	4460	161.00	1142
52.00	2690	87.00	41416	129.00	1829	170.00	109
55.00	2037	88.00	40600	130.00	4134	171.00	144
56.00	14376	91.00	3623	131.00	1687	172.00	103
57.00	26144	92.00	28144	134.00	406	174.00	1195008
58.00	1291	93.00	41736	135.00	2327	175.00	84176
59.00	81	94.00	122680	136.00	406	176.00	1162752
60.00	7413	95.00	1090048	137.00	2076	177.00	77944
61.00	43752	96.00	73520	138.00	68	178.00	2130
62.00	43248	97.00	2213	139.00	440	243.00	68
63.00	33048	103.00	318	140.00	818	268.00	67
64.00	2887	104.00	4673	141.00	11345	269.00	91
65.00	299	105.00	1501	142.00	1030		
67.00	2720	106.00	4063	143.00	12410		
68.00	96472	107.00	1009	144.00	690		
69.00	98128	110.00	790	145.00	1014		

TestAmerica

Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\HSL110401.D
Lab Smp Id: HSL_0.25/0.5
Inj Date : 04-NOV-2010 12:03
Operator : PD Inst ID: HP10.i
Smp Info : HSL_0.25/0.5 ;pd;1;;1;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.M
Meth Date : 04-Nov-2010 15:28 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 12:03 Cal File: HSL110401.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000 PD
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14 110410
Processing Host: SACPC

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	1441564	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	916575	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.251	10.250	(1.000)	429276	10.0000	
$ 4	Dibromofluoromethane	111	4.775	4.781	(0.877)	513	0.50000	0.0135587
$ 5	1,2-Dichloroethane-d4	65	Compound Not Detected.					
$ 6	Toluene-d8	98	6.728	6.722	(1.236)	3057	0.50000	0.0228676
$ 7	4-Bromofluorobenzene	95	9.137	9.131	(1.138)	6762	0.50000	0.171370
$ 136	Trifluorotoluene	146	Compound Not Detected.					
8	Dichlorodifluoromethane	85	1.320	1.320	(0.242)	4763	0.25000	0.123615
9	Chloromethane (**)	50	1.454	1.460	(0.267)	6326	0.25000	0.168003
10	Vinyl Chloride (*)	62	1.569	1.563	(0.288)	5325	0.25000	0.145667
11	Bromomethane	94	1.886	1.886	(0.346)	6238	0.25000	0.227737
12	Chloroethane	64	1.971	1.989	(0.362)	3640	0.25000	0.159935
13	Trichlorofluoromethane	101	2.226	2.238	(0.409)	6743	0.25000	0.142239
15	Trichlorotrifluoroethane	101	2.762	2.762	(0.507)	4331	0.25000	0.151248
17	1,1-Dichloroethane(*)	96	2.743	2.743	(0.504)	4376	0.25000	0.158319
18	Acetone	43	2.810	2.810	(0.516)	6161	0.25000	0.280411
21	Carbon disulfide	76	2.932	2.932	(0.539)	14266	0.25000	0.152049
31	Vinyl acetate	43	3.899	3.905	(0.716)	10903	0.25000	0.136081
22	Methylene Chloride	84	3.212	3.212	(0.590)	5387	0.25000	0.156028
23	t-Butanol	59	3.346	3.346	(0.615)	36295	6.25000	3.66442

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
25	Methyl-t-butyl-ether	73	3.467	3.467	(0.637)	11763	0.25000	0.133539
26	trans-1,2-Dichloroethene	96	3.467	3.461	(0.637)	5388	0.25000	0.141356
27	Acrylonitrile	53	3.449	3.449	(0.634)	27692	2.50000	1.21043
30	1,1-Dichloroethane (**)	63	3.851	3.844	(0.707)	8278	0.25000	0.145278
33	2,2-Dichloropropane	77	4.356	4.355	(0.800)	6316	0.25000	0.158666
35	cis 1,2-Dichloroethene	96	4.356	4.362	(0.800)	5819	0.25000	0.151922
38	2-Butanone	43	4.386	4.380	(0.806)	9702	0.25000	0.249306
40	Bromochloromethane	128	4.568	4.568	(0.839)	3105	0.25000	0.146603
41	Chloroform (*)	83	4.641	4.641	(0.853)	7931	0.25000	0.140944
42	1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	6638	0.25000	0.138871
43	Carbon Tetrachloride	117	4.933	4.933	(0.906)	5638	0.25000	0.133443
44	1,1-Dichloropropene	75	4.933	4.933	(0.906)	6018	0.25000	0.134497
47	Benzene	78	5.116	5.110	(0.940)	18859	0.25000	0.136868
48	1,2-Dichloroethane	62	5.134	5.134	(0.943)	6491	0.25000	0.141634
49	Trichloroethene	95	5.663	5.663	(1.040)	4673	0.25000	0.131749
51	1,2-Dichloropropane(*)	63	5.864	5.864	(1.077)	4722	0.25000	0.152244
52	Dibromomethane	93	5.955	5.962	(1.094)	3598	0.25000	0.149596
53	1,4-Dioxane	88	5.980	5.980	(1.098)	1992	6.25000	
54	Bromodichloromethane	83	6.102	6.101	(1.121)	4893	0.25000	0.114572
55	2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	2841	0.25000	0.270739
56	cis-1,3-Dichloropropene (xtr)	75	6.497	6.491	(1.193)	6104	0.25000	0.112510
57	4-Methyl-2-pentanone	43	6.631	6.625	(1.218)	8073	0.25000	0.142660
58	Toluene (*)	92	6.783	6.783	(1.246)	12572	0.25000	0.141650
60	trans-1,3-Dichloropropene(xt)	75	6.978	6.984	(1.282)	5737	0.25000	0.256861
61	1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	4487	0.25000	0.137903
62	Tetrachloroethene	166	7.270	7.270	(0.905)	6336	0.25000	0.171145
63	1,3-Dichloropropane	76	7.294	7.300	(0.908)	8230	0.25000	0.180256
64	2-Hexanone	43	7.367	7.373	(0.917)	5919	0.25000	0.174729
65	Dibromochloromethane	129	7.507	7.501	(0.935)	4331	0.25000	0.235741
66	1,2-Dibromoethane	107	7.604	7.604	(0.947)	4792	0.25000	0.167190
67	1-Chlorohexane	91	8.024	8.030	(0.999)	7251	0.25000	0.190987
68	Chlorobenzene (**)	112	8.054	8.054	(1.003)	13623	0.25000	0.173201
69	Ethylbenzene (*)	106	8.158	8.152	(1.016)	6984	0.25000	0.171771
70	1,1,1,2-Tetrachloroethane	131	8.133	8.133	(1.013)	4516	0.25000	0.169063
71	Xylenes (m,p)	106	8.261	8.261	(1.029)	16516	0.50000	0.320632
72	Xylene (o)	106	8.632	8.632	(1.075)	7773	0.25000	0.158269
73	Styrene	104	8.651	8.651	(1.077)	10571	0.25000	0.129618
74	Bromoform (**)	173	8.821	8.827	(1.098)	3129	0.25000	0.418530
75	Isopropylbenzene	105	8.985	8.985	(1.119)	19161	0.25000	0.164294
77	Bromobenzene	156	9.277	9.277	(0.905)	7038	0.25000	0.223776
78	1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	6033	0.25000	0.194942
79	N-Propylbenzene	91	9.374	9.381	(0.915)	21365	0.25000	0.186728
80	1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	2406	0.25000	0.194174
81	2-Chlorotoluene	91	9.460	9.460	(0.923)	14611	0.25000	0.209829
82	1,3,5-Trimethylbenzene	105	9.545	9.551	(0.931)	15541	0.25000	0.191668
83	4-Chlorotoluene	91	9.563	9.563	(0.933)	15082	0.25000	0.189796
84	T-Butylbenzene	119	9.861	9.867	(0.962)	14947	0.25000	0.194940
85	1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	14304	0.25000	0.173967
86	Sec-Butylbenzene	105	10.080	10.080	(0.983)	20182	0.25000	0.189553
87	1,3-Dichlorobenzene	146	10.177	10.184	(0.993)	10990	0.25000	0.203991
88	P-Isopropyltoluene	119	10.220	10.220	(0.997)	16360	0.25000	0.178876
89	1,4-Dichlorobenzene	146	10.269	10.275	(1.002)	12209	0.25000	0.215198
90	N-Butylbenzene	91	10.628	10.622	(1.037)	11458	0.25000	0.154547
91	1,2-Dichlorobenzene	146	10.640	10.640	(1.038)	10648	0.25000	0.204426

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	835	0.25000	0.144209
	93 1,2,4-Trichlorobenzene	180	12.234	12.228	(1.193)	5337	0.25000	0.151384
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	4092	0.25000	0.203732
	95 Naphthalene	128	12.471	12.471	(1.217)	13452	0.25000	0.149331
	96 1,2,3-Trichlorobenzene	180	12.708	12.708	(1.240)	4227	0.25000	0.138978
M	97 1,2-Dichloroethene (Total)	96				11207	0.50000	0.293277
M	98 Xylenes (Total)	106				24289	0.75000	0.478901

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: HSL110401.D
Lab Smp Id: HSL 0.25/0.5
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.m
Misc Info: 1;water;0;1_8260.sub;;0;5

Calibration Date: 04-NOV-2010
Calibration Time: 13:32

Level: LOW
Sample Type: water

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	1441564	69.51
2 Chlorobenzene-d5	706704	353352	1413408	916575	29.70
3 1,4 Dichlorobenze	409715	204858	819430	429276	4.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	0.00
2 Chlorobenzene-d5	8.03	7.53	8.53	8.03	0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	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: \\terastation\share\VOAdata\HP10.I\110410.B\HSL110401.D
Date : 04-NOV-2010 12:03
Client ID:
Sample Info: HSL_0.25/0.5 jpd;1;;1;;1
Purge Volume: 5.0
Column phase:

Instrument: HP10.I
Operator: PD
Column diameter: 0.53

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Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\HSL110402.D
Lab Smp Id: HSL_0.5/1.0
Inj Date : 04-NOV-2010 12:25
Operator : PD Inst ID: HP10.i
Smp Info : HSL_0.5/1.0 ;pd;1;;2;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.M
Meth Date : 04-Nov-2010 15:28 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 12:25 Cal File: HSL110402.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000 PD
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14 110410
Processing Host: SACPC

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	810847	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	644206	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	349053	10.0000	
$ 4	Dibromofluoromethane	111	4.775	4.781	(0.877)	21679	1.00000	1.01867
$ 5	1,2-Dichloroethane-d4	65	5.067	5.067	(0.931)	25642	1.00000	1.08884
$ 6	Toluene-d8	98	6.722	6.722	(1.235)	76623	1.00000	1.01901
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.137)	31295	1.00000	1.12844
$ 136	Trifluorotoluene	146	5.919	5.919	(1.087)	35490	1.00000	0.868883
8	Dichlorodifluoromethane	85	1.314	1.320	(0.241)	7006	0.50000	0.351097
9	Chloromethane (**)	50	1.460	1.460	(0.268)	10941	0.50000	0.516584
10	Vinyl Chloride (*)	62	1.563	1.563	(0.287)	10808	0.50000	0.525631
11	Bromomethane	94	1.885	1.886	(0.346)	8156	0.50000	0.529372
12	Chloroethane	64	1.995	1.989	(0.366)	7005	0.50000	0.547198
13	Trichlorofluoromethane	101	2.244	2.238	(0.412)	11517	0.50000	0.431916
15	Trichlorotrifluoroethane	101	2.768	2.762	(0.508)	8083	0.50000	0.501844
17	1,1-Dichloroethene(*)	96	2.743	2.743	(0.504)	7759	0.50000	0.499065
18	Acetone	43	2.816	2.810	(0.517)	8212	0.50000	0.664489
21	Carbon disulfide	76	2.932	2.932	(0.539)	25622	0.50000	0.485501
31	Vinyl acetate	43	3.899	3.905	(0.716)	22439	0.50000	0.497908
22	Methylene Chloride	84	3.218	3.212	(0.591)	10193	0.50000	0.524872
23	t-Butanol	59	3.346	3.346	(0.615)	67341	12.5000	12.0874

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
25	Methyl-t-butyl-ether	73	3.467	3.467	(0.637)	26061	0.50000	0.525989
26	trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	10916	0.50000	0.509148
27	Acrylonitrile	53	3.455	3.449	(0.635)	56242	5.00000	4.37059
30	1,1-Dichloroethane (**)	63	3.844	3.844	(0.706)	15851	0.50000	0.494568
33	2,2-Dichloropropane	77	4.349	4.355	(0.799)	11253	0.50000	0.502580
35	cis 1,2-Dichloroethene	96	4.361	4.362	(0.801)	11094	0.50000	0.514938
38	2-Butanone	43	4.386	4.380	(0.806)	12781	0.50000	0.583889
40	Bromochloromethane	128	4.568	4.568	(0.839)	6292	0.50000	0.528159
41	Chloroform (*)	83	4.641	4.641	(0.853)	15455	0.50000	0.488294
42	1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	13782	0.50000	0.512605
43	Carbon Tetrachloride	117	4.933	4.933	(0.906)	11530	0.50000	0.485173
44	1,1-Dichloropropene	75	4.933	4.933	(0.906)	12646	0.50000	0.502467
47	Benzene	78	5.110	5.110	(0.939)	40217	0.50000	0.518905
48	1,2-Dichloroethane	62	5.134	5.134	(0.943)	12506	0.50000	0.485144
49	Trichloroethene	95	5.663	5.663	(1.040)	10788	0.50000	0.540739
51	1,2-Dichloropropane(*)	63	5.864	5.864	(1.077)	8323	0.50000	0.477078
52	Dibromomethane	93	5.961	5.962	(1.095)	6993	0.50000	0.516912
53	1,4-Dioxane	88	5.980	5.980	(1.098)	4302	12.5000	8.28479
54	Bromodichloromethane	83	6.095	6.101	(1.120)	10601	0.50000	0.441311
55	2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	5065	0.50000	0.516292
56	cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	13073	0.50000	0.428396
57	4-Methyl-2-pentanone	43	6.631	6.625	(1.218)	13864	0.50000	0.435562
58	Toluene (*)	92	6.783	6.783	(1.246)	25544	0.50000	0.511677
60	trans-1,3-Dichloropropene(xt)	75	6.977	6.984	(1.282)	10868	0.50000	0.530142
61	1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	9189	0.50000	0.502088
62	Tetrachloroethene	166	7.269	7.270	(0.905)	14471	0.50000	0.556148
63	1,3-Dichloropropane	76	7.294	7.300	(0.908)	16239	0.50000	0.506050
64	2-Hexanone	43	7.373	7.373	(0.918)	10325	0.50000	0.433660
65	Dibromochloromethane	129	7.501	7.501	(0.934)	8459	0.50000	0.490596
66	1,2-Dibromoethane	107	7.610	7.604	(0.948)	9622	0.50000	0.477642
67	1-Chlorohexane	91	8.024	8.030	(0.999)	14228	0.50000	0.533203
68	Chlorobenzene (**)	112	8.054	8.054	(1.003)	29477	0.50000	0.533218
69	Ethylbenzene (*)	106	8.152	8.152	(1.015)	14715	0.50000	0.514932
70	1,1,1,2-Tetrachloroethane	131	8.133	8.133	(1.013)	8944	0.50000	0.476399
71	Xylenes (m,p)	106	8.261	8.261	(1.029)	35136	1.00000	0.970506
72	Xylene (o)	106	8.632	8.632	(1.075)	16793	0.50000	0.486495
73	Styrene	104	8.650	8.651	(1.077)	23617	0.50000	0.412017
74	Bromoform (**)	173	8.827	8.827	(1.099)	6076	0.50000	0.642949
75	Isopropylbenzene	105	8.985	8.985	(1.119)	39254	0.50000	0.478885
77	Bromobenzene	156	9.277	9.277	(0.905)	12082	0.50000	0.472442
78	1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	11807	0.50000	0.469200
79	N-Propylbenzene	91	9.380	9.381	(0.915)	43974	0.50000	0.472659
80	1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	5691	0.50000	0.564846
81	2-Chlorotoluene	91	9.460	9.460	(0.923)	29185	0.50000	0.515456
82	1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	30834	0.50000	0.467678
83	4-Chlorotoluene	91	9.563	9.563	(0.933)	31568	0.50000	0.488562
84	T-Butylbenzene	119	9.867	9.867	(0.963)	31633	0.50000	0.507380
85	1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	31637	0.50000	0.473205
86	Sec-Butylbenzene	105	10.080	10.080	(0.983)	42357	0.50000	0.489256
87	1,3-Dichlorobenzene	146	10.183	10.184	(0.993)	21183	0.50000	0.483556
88	P-Isopropyltoluene	119	10.220	10.220	(0.997)	33579	0.50000	0.451526
89	1,4-Dichlorobenzene	146	10.275	10.275	(1.002)	24183	0.50000	0.524219
90	N-Butylbenzene	91	10.621	10.622	(1.036)	23670	0.50000	0.392640
91	1,2-Dichlorobenzene	146	10.634	10.640	(1.037)	20860	0.50000	0.492525

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	1643	0.50000	0.348859
	93 1,2,4-Trichlorobenzene	180	12.228	12.228	(1.193)	10613	0.50000	0.370128
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	8392	0.50000	0.513846
	95 Naphthalene	128	12.471	12.471	(1.217)	22628	0.50000	0.308848
	96 1,2,3-Trichlorobenzene	180	12.714	12.708	(1.240)	7602	0.50000	0.307329
M	97 1,2-Dichloroethene (Total)	96				22010	1.00000	1.02408
M	98 Xylenes (Total)	106				51929	1.50000	1.45700

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: HSL110402.D
Lab Smp Id: HSL_0.5/1.0
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.m
Misc Info: 1;water;0;1_8260.sub;;0;5

Calibration Date: 04-NOV-2010
Calibration Time: 13:32
Level: LOW
Sample Type: water

Test Mode:
Use Initial Calibration Level 5.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	810847	-4.65
2 Chlorobenzene-d5	706704	353352	1413408	644206	-8.84
3 1,4 Dichlorobenze	409715	204858	819430	349053	-14.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	-0.00
2 Chlorobenzene-d5	8.03	7.53	8.53	8.03	-0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	-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: \\terastation\share\VOAdata\HP10.I\110410.B\HSL110402.D

Date : 04-NOV-2010 12:25

Client ID:

Sample Info: HSL_0.5/1.0 ;pd;1;;2;;1

Purge Volume: 5.0

Column phase:

Instrument: HP10.1

Operator: PD

Column diameter: 0.53

TestAmerica

Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\HSL110403.D
Lab Smp Id: HSL_1.0/2.0
Inj Date : 04-NOV-2010 12:47
Operator : PD Inst ID: HP10.i
Smp Info : HSL_1.0/2.0 ;pd;1;;3;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.M
Meth Date : 04-Nov-2010 15:28 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 12:47 Cal File: HSL110403.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000 PD
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14 110410
Processing Host: SACPC

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	748116	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	605242	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	328767	10.0000	
$ 4	Dibromofluoromethane	111	4.781	4.781	(0.878)	41241	2.00000	2.10036
$ 5	1,2-Dichloroethane-d4	65	5.061	5.067	(0.930)	47385	2.00000	2.18084
$ 6	Toluene-d8	98	6.722	6.722	(1.235)	148165	2.00000	2.13568
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.137)	55152	2.00000	2.11671
$ 136	Trifluorotoluene	146	5.919	5.919	(1.087)	82030	2.00000	2.17670
8	Dichlorodifluoromethane	85	1.326	1.320	(0.244)	15535	1.00000	0.867982
9	Chloromethane (**)	50	1.454	1.460	(0.267)	19859	1.00000	1.01627
10	Vinyl Chloride (*)	62	1.563	1.563	(0.287)	21007	1.00000	1.10731
11	Bromomethane	94	1.879	1.886	(0.345)	15890	1.00000	1.11783
12	Chloroethane	64	1.989	1.989	(0.365)	12430	1.00000	1.05239
13	Trichlorofluoromethane	101	2.238	2.238	(0.411)	24268	1.00000	0.986424
15	Trichlorotrifluoroethane	101	2.762	2.762	(0.507)	15735	1.00000	1.05885
17	1,1-Dichloroethene(*)	96	2.737	2.743	(0.503)	15368	1.00000	1.07137
18	Acetone	43	2.816	2.810	(0.517)	14526	1.00000	1.27396
21	Carbon disulfide	76	2.932	2.932	(0.539)	48802	1.00000	1.00227
31	Vinyl acetate	43	3.905	3.905	(0.717)	41489	1.00000	0.997812
22	Methylene Chloride	84	3.212	3.212	(0.590)	20963	1.00000	1.16997
23	t-Butanol	59	3.346	3.346	(0.615)	127563	25.0000	24.8169(M)

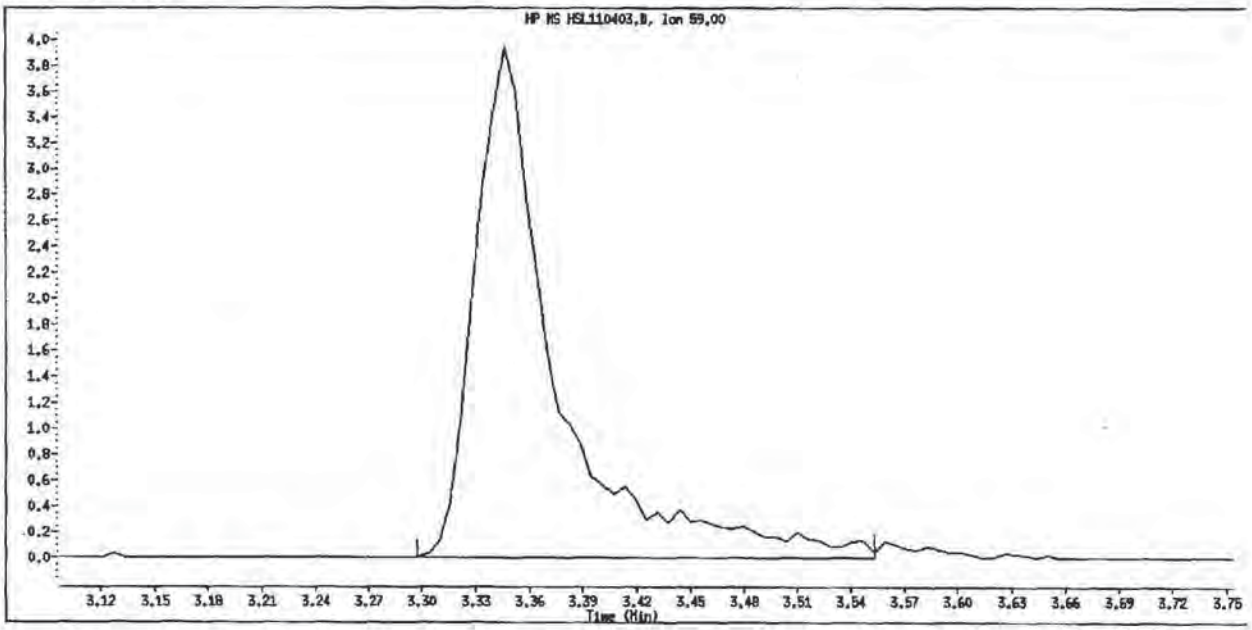
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
25 Methyl-t-butyl-ether	73	3.461	3.467	(0.636)	49608	1.00000	1.08519
26 trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	20276	1.00000	1.02502
27 Acrylonitrile	53	3.449	3.449	(0.634)	113080	10.0000	9.52435
30 1,1-Dichloroethane (**)	63	3.844	3.844	(0.706)	31622	1.00000	1.06937
33 2,2-Dichloropropane	77	4.349	4.355	(0.799)	22487	1.00000	1.08852
35 cis 1,2-Dichloroethene	96	4.362	4.362	(0.801)	20295	1.00000	1.02100
38 2-Butanone	43	4.380	4.380	(0.804)	24229	1.00000	1.19970
40 Bromochloromethane	128	4.568	4.568	(0.839)	12353	1.00000	1.12388
41 Chloroform (*)	83	4.641	4.641	(0.853)	30218	1.00000	1.03478
42 1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	25864	1.00000	1.04264
43 Carbon Tetrachloride	117	4.933	4.933	(0.906)	22673	1.00000	1.03406
44 1,1-Dichloropropene	75	4.927	4.933	(0.905)	26385	1.00000	1.13627
47 Benzene	78	5.110	5.110	(0.939)	78574	1.00000	1.09882
48 1,2-Dichloroethane	62	5.128	5.134	(0.942)	25436	1.00000	1.06947
49 Trichloroethene	95	5.663	5.663	(1.040)	20310	1.00000	1.10338
51 1,2-Dichloropropane(*)	63	5.858	5.864	(1.076)	17120	1.00000	1.06361
52 Dibromomethane	93	5.962	5.962	(1.095)	12376	1.00000	0.991525(M)
53 1,4-Dioxane	88	5.992	5.980	(1.101)	9098	25.0000	23.6516
54 Bromodichloromethane	83	6.101	6.101	(1.121)	20130	1.00000	0.908264
55 2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	11024	1.00000	1.00336
56 cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	26056	1.00000	0.925439
57 4-Methyl-2-pentanone	43	6.631	6.625	(1.218)	29504	1.00000	1.00464
58 Toluene (*)	92	6.783	6.783	(1.246)	50933	1.00000	1.10580
60 trans-1,3-Dichloropropene(xt)	75	6.984	6.984	(1.283)	21896	1.00000	0.989751
61 1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	18762	1.00000	1.11112
62 Tetrachloroethene	166	7.270	7.270	(0.905)	27242	1.00000	1.11436
63 1,3-Dichloropropane	76	7.300	7.300	(0.909)	31427	1.00000	1.04240
64 2-Hexanone	43	7.373	7.373	(0.918)	21242	1.00000	0.949621
65 Dibromochloromethane	129	7.507	7.501	(0.935)	15944	1.00000	0.891184
66 1,2-Dibromoethane	107	7.604	7.604	(0.947)	18870	1.00000	0.997023
67 1-Chlorohexane	91	8.030	8.030	(1.000)	24107	1.00000	0.961585
68 Chlorobenzene (**)	112	8.054	8.054	(1.003)	55563	1.00000	1.06980
69 Ethylbenzene (*)	106	8.152	8.152	(1.015)	26874	1.00000	1.00096
70 1,1,1,2-Tetrachloroethane	131	8.133	8.133	(1.013)	17408	1.00000	0.986923
71 Xylenes (m,p)	106	8.261	8.261	(1.029)	71431	2.00000	2.10004
72 Xylene (o)	106	8.638	8.632	(1.076)	33860	1.00000	1.04408
73 Styrene	104	8.650	8.651	(1.077)	48874	1.00000	0.907537
74 Bromoform (**)	173	8.833	8.827	(1.100)	12445	1.00000	1.05765
75 Isopropylbenzene	105	8.985	8.985	(1.119)	78556	1.00000	1.02005
77 Bromobenzene	156	9.271	9.277	(0.904)	26521	1.00000	1.10104
78 1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	24204	1.00000	1.02119
79 N-Propylbenzene	91	9.381	9.381	(0.915)	90652	1.00000	1.03450
80 1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	10112	1.00000	1.06557
81 2-Chlorotoluene	91	9.460	9.460	(0.923)	57668	1.00000	1.08136
82 1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	60651	1.00000	0.976693
83 4-Chlorotoluene	91	9.569	9.563	(0.934)	62202	1.00000	1.02207
84 T-Butylbenzene	119	9.867	9.867	(0.963)	62358	1.00000	1.06191
85 1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	63127	1.00000	1.00247
86 Sec-Butylbenzene	105	10.080	10.080	(0.983)	82953	1.00000	1.01729
87 1,3-Dichlorobenzene	146	10.184	10.184	(0.993)	42623	1.00000	1.03302
88 P-Isopropyltoluene	119	10.220	10.220	(0.997)	70916	1.00000	1.01242
89 1,4-Dichlorobenzene	146	10.275	10.275	(1.002)	47600	1.00000	1.09550
90 N-Butylbenzene	91	10.622	10.622	(1.036)	51217	1.00000	0.902014
91 1,2-Dichlorobenzene	146	10.640	10.640	(1.038)	42416	1.00000	1.06328

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.412	11.406	(1.113)	3864	1.00000	0.870359
	93 1,2,4-Trichlorobenzene	180	12.228	12.228	(1.193)	21000	1.00000	0.777184
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	15106	1.00000	0.982020
	95 Naphthalene	128	12.471	12.471	(1.217)	44032	1.00000	0.637740
	96 1,2,3-Trichlorobenzene	180	12.714	12.708	(1.240)	16932	1.00000	0.726403
M	97 1,2-Dichloroethene (Total)	96				40571	2.00000	2.04602
M	98 Xylenes (Total)	106				105291	3.00000	3.14412

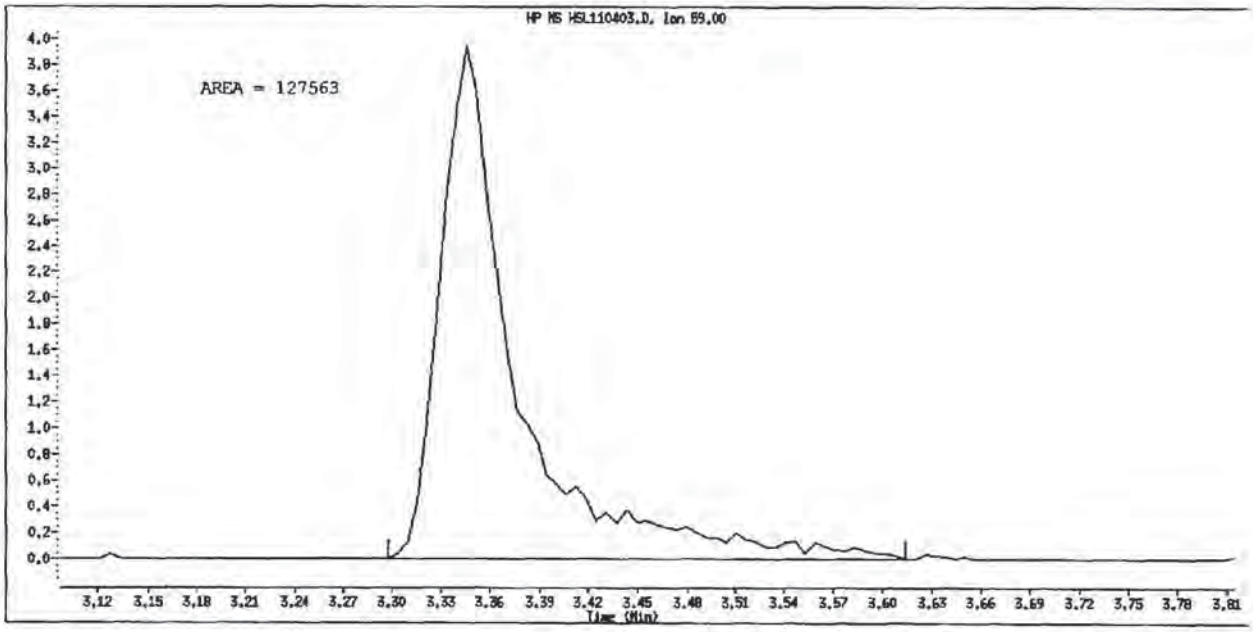
QC Flag Legend

M - Compound response manually integrated.

Data File Name: HSL110403.D
Inj. Date and Time: 04-NOV-2010 12:47
Instrument ID: HP10.i
Client ID:
Compound Name: t-Butanol
CAS #: 75-65-0
Report Date: 11/04/2010



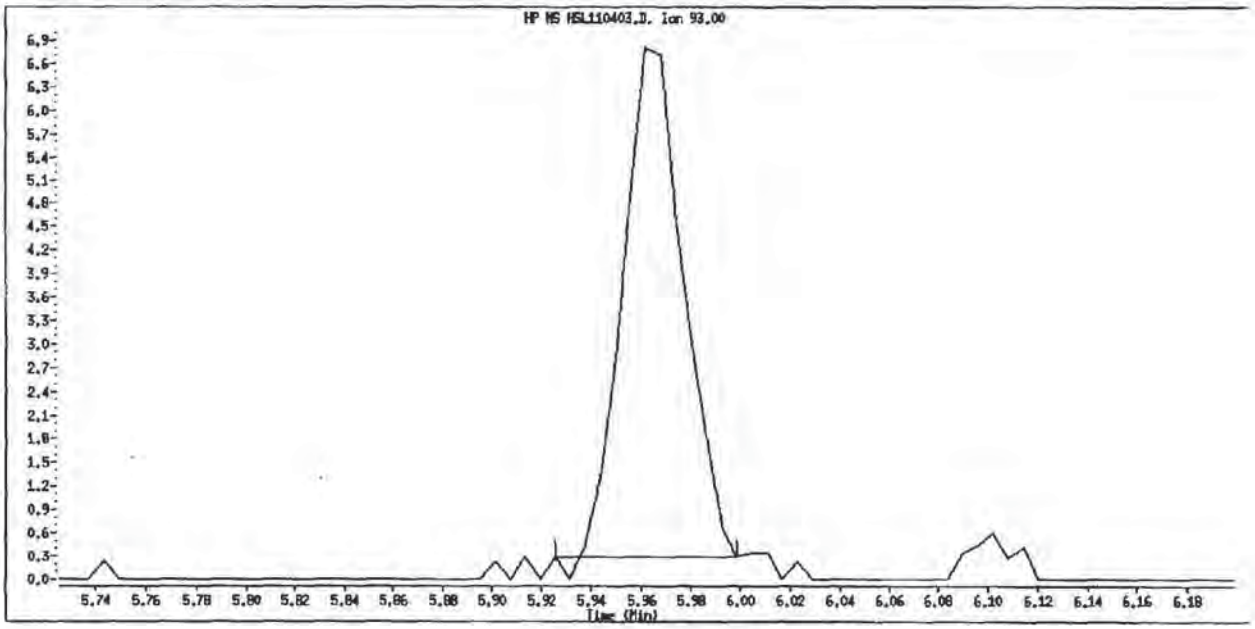
Original Integration



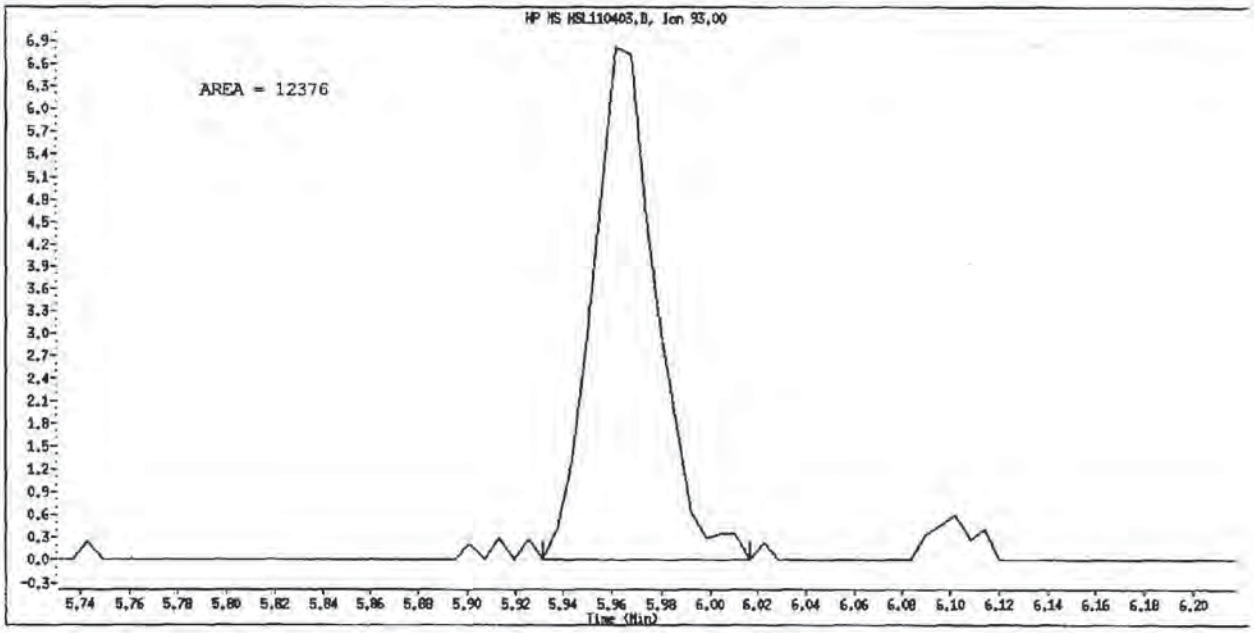
Manual Integration

Manually Integrated By: dibbsrodriguezp
Manual Integration Reason: Poor Chromatography

Data File Name: HSL110403.D
Inj. Date and Time: 04-NOV-2010 12:47
Instrument ID: HP10.i
Client ID:
Compound Name: Dibromomethane
CAS #: 74-95-3
Report Date: 11/04/2010



Original Integration



Manual Integration

Manually Integrated By: dibbsrodriguezp
Manual Integration Reason: Poor Chromatography

TestAmerica

Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\HSL110403.D
Lab Smp Id: HSL_1.0/2.0
Inj Date : 04-NOV-2010 12:47
Operator : PD Inst ID: HP10.i
Smp Info : HSL_1.0/2.0 ;pd;1;;3;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.m
Meth Date : 04-Nov-2010 15:18 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 12:47 Cal File: HSL110403.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACPC

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 1,4-Difluorobenzene	114	5.444	5.444	(1.000)	748116	10.0000	
* 2 Chlorobenzene-d5	117	8.030	8.030	(1.000)	605242	10.0000	
* 3 1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	328767	10.0000	
$ 4 Dibromofluoromethane	111	4.781	4.781	(0.878)	41241	2.00000	2.05734
$ 5 1,2-Dichloroethane-d4	65	5.061	5.067	(0.930)	47385	2.00000	2.08282
$ 6 Toluene-d8	98	6.722	6.722	(1.235)	148165	2.00000	2.09162
$ 7 4-Bromofluorobenzene	95	9.131	9.131	(1.137)	55152	2.00000	2.02434
$ 136 Trifluorotoluene	146	5.919	5.919	(1.087)	82030	2.00000	2.18912
8 Dichlorodifluoromethane	85	1.326	1.320	(0.244)	15535	1.00000	0.983962
9 Chloromethane (**)	50	1.454	1.460	(0.267)	19859	1.00000	0.994825
10 Vinyl Chloride (*)	62	1.563	1.563	(0.287)	21007	1.00000	1.16007
11 Bromomethane	94	1.879	1.886	(0.345)	15890	1.00000	1.06636
12 Chloroethane	64	1.989	1.989	(0.365)	12430	1.00000	1.09653
13 Trichlorofluoromethane	101	2.238	2.238	(0.411)	24268	1.00000	1.03029
15 Trichlorotrifluoroethane	101	2.762	2.762	(0.507)	15735	1.00000	1.03416
17 1,1-Dichloroethene(*)	96	2.737	2.743	(0.503)	15368	1.00000	1.14065
18 Acetone	43	2.816	2.810	(0.517)	14526	1.00000	1.15863
21 Carbon disulfide	76	2.932	2.932	(0.539)	48802	1.00000	1.09346
31 Vinyl acetate	43	3.905	3.905	(0.717)	41489	1.00000	1.10550
22 Methylene Chloride	84	3.212	3.212	(0.590)	20963	1.00000	1.21132
23 t-Butanol	59	3.346	3.346	(0.615)	125190	25.0000	25.0573

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
25	Methyl-t-butyl-ether	73	3.461	3.467	(0.636)	49608	1.00000	1.16333
26	trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	20276	1.00000	1.01437
27	Acrylonitrile	53	3.449	3.449	(0.634)	113080	10.0000	9.99964
30	1,1-Dichloroethane (**)	63	3.844	3.844	(0.706)	31622	1.00000	1.15239
33	2,2-Dichloropropane	77	4.349	4.355	(0.799)	22487	1.00000	1.15494
35	cis 1,2-Dichloroethene	96	4.362	4.362	(0.801)	20295	1.00000	1.09475
38	2-Butanone	43	4.380	4.380	(0.804)	24229	1.00000	1.09801
40	Bromochloromethane	128	4.568	4.568	(0.839)	12353	1.00000	1.17229
41	Chloroform (*)	83	4.641	4.641	(0.853)	30218	1.00000	1.13074
42	1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	25864	1.00000	1.12976
43	Carbon Tetrachloride	117	4.933	4.933	(0.906)	22673	1.00000	1.14114
44	1,1-Dichloropropene	75	4.927	4.933	(0.905)	26385	1.00000	1.21921
47	Benzene	78	5.110	5.110	(0.939)	78574	1.00000	1.17201
48	1,2-Dichloroethane	62	5.128	5.134	(0.942)	25436	1.00000	1.16444
49	Trichloroethene	95	5.663	5.663	(1.040)	20310	1.00000	1.17149
51	1,2-Dichloropropane(*)	63	5.858	5.864	(1.076)	17120	1.00000	1.15056
52	Dibromomethane	93	5.962	5.962	(1.095)	10904	1.00000	0.902749
53	1,4-Dioxane	88	5.992	5.980	(1.101)	9098	25.0000	24.8712
54	Bromodichloromethane	83	6.101	6.101	(1.121)	20130	1.00000	0.963254
55	2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	11024	1.00000	1.00000
56	cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	26056	1.00000	0.992894
57	4-Methyl-2-pentanone	43	6.631	6.625	(1.218)	29504	1.00000	1.13093
58	Toluene (*)	92	6.783	6.783	(1.246)	50933	1.00000	1.17950
60	trans-1,3-Dichloropropene(xt)	75	6.984	6.984	(1.283)	21896	1.00000	1.00000
61	1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	18762	1.00000	1.19024
62	Tetrachloroethene	166	7.270	7.270	(0.905)	27242	1.00000	1.13439
63	1,3-Dichloropropane	76	7.300	7.300	(0.909)	31427	1.00000	1.09288
64	2-Hexanone	43	7.373	7.373	(0.918)	21242	1.00000	1.05729
65	Dibromochloromethane	129	7.507	7.501	(0.935)	15944	1.00000	0.950507
66	1,2-Dibromoethane	107	7.604	7.604	(0.947)	18870	1.00000	1.07937
67	1-Chlorohexane	91	8.030	8.030	(1.000)	24107	1.00000	0.953023
68	Chlorobenzene (**)	112	8.054	8.054	(1.003)	55563	1.00000	1.10760
69	Ethylbenzene (*)	106	8.152	8.152	(1.015)	26874	1.00000	1.05879
70	1,1,1,2-Tetrachloroethane	131	8.133	8.133	(1.013)	17408	1.00000	1.06957
71	Xylenes (m,p)	106	8.261	8.261	(1.029)	71431	2.00000	2.25675
72	Xylene (o)	106	8.638	8.632	(1.076)	33860	1.00000	1.12385
73	Styrene	104	8.650	8.651	(1.077)	48874	1.00000	0.971041
74	Bromoform (**)	173	8.833	8.827	(1.100)	12445	1.00000	1.00000
75	Isopropylbenzene	105	8.985	8.985	(1.119)	78556	1.00000	1.10379
77	Bromobenzene	156	9.271	9.277	(0.904)	26521	1.00000	1.11146
78	1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	24204	1.00000	1.02798
79	N-Propylbenzene	91	9.381	9.381	(0.915)	90652	1.00000	1.09317
80	1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	10112	1.00000	1.06696
81	2-Chlorotoluene	91	9.460	9.460	(0.923)	57658	1.00000	1.08936
82	1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	60651	1.00000	1.04248
83	4-Chlorotoluene	91	9.569	9.563	(0.934)	62202	1.00000	1.07149
84	T-Butylbenzene	119	9.867	9.867	(0.963)	62358	1.00000	1.08711
85	1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	63127	1.00000	1.07743
86	Sec-Butylbenzene	105	10.080	10.080	(0.983)	82953	1.00000	1.06965
87	1,3-Dichlorobenzene	146	10.184	10.184	(0.993)	42623	1.00000	1.07110
88	P-Isopropyltoluene	119	10.220	10.220	(0.997)	70916	1.00000	1.09175
89	1,4-Dichlorobenzene	146	10.275	10.275	(1.002)	47600	1.00000	1.09488
90	N-Butylbenzene	91	10.622	10.622	(1.036)	51217	1.00000	0.984962
91	1,2-Dichlorobenzene	146	10.640	10.640	(1.038)	42416	1.00000	1.08978

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.412	11.406	(1.113)	3864	1.00000	1.03449
	93 1,2,4-Trichlorobenzene	180	12.228	12.228	(1.193)	21000	1.00000	1.00844
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	15106	1.00000	1.02090
	95 Naphthalene	128	12.471	12.471	(1.217)	44032	1.00000	1.00745
	96 1,2,3-Trichlorobenzene	180	12.714	12.708	(1.240)	16932	1.00000	1.03543
M	97 1,2-Dichloroethene (Total)	96				40571	2.00000	2.10911
M	98 Xylenes (Total)	106				105291	3.00000	3.38060

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: HSL110403.D
Lab Smp Id: HSL 1.0/2.0
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.m
Misc Info: 1;water;0;1_8260.sub;;0;5

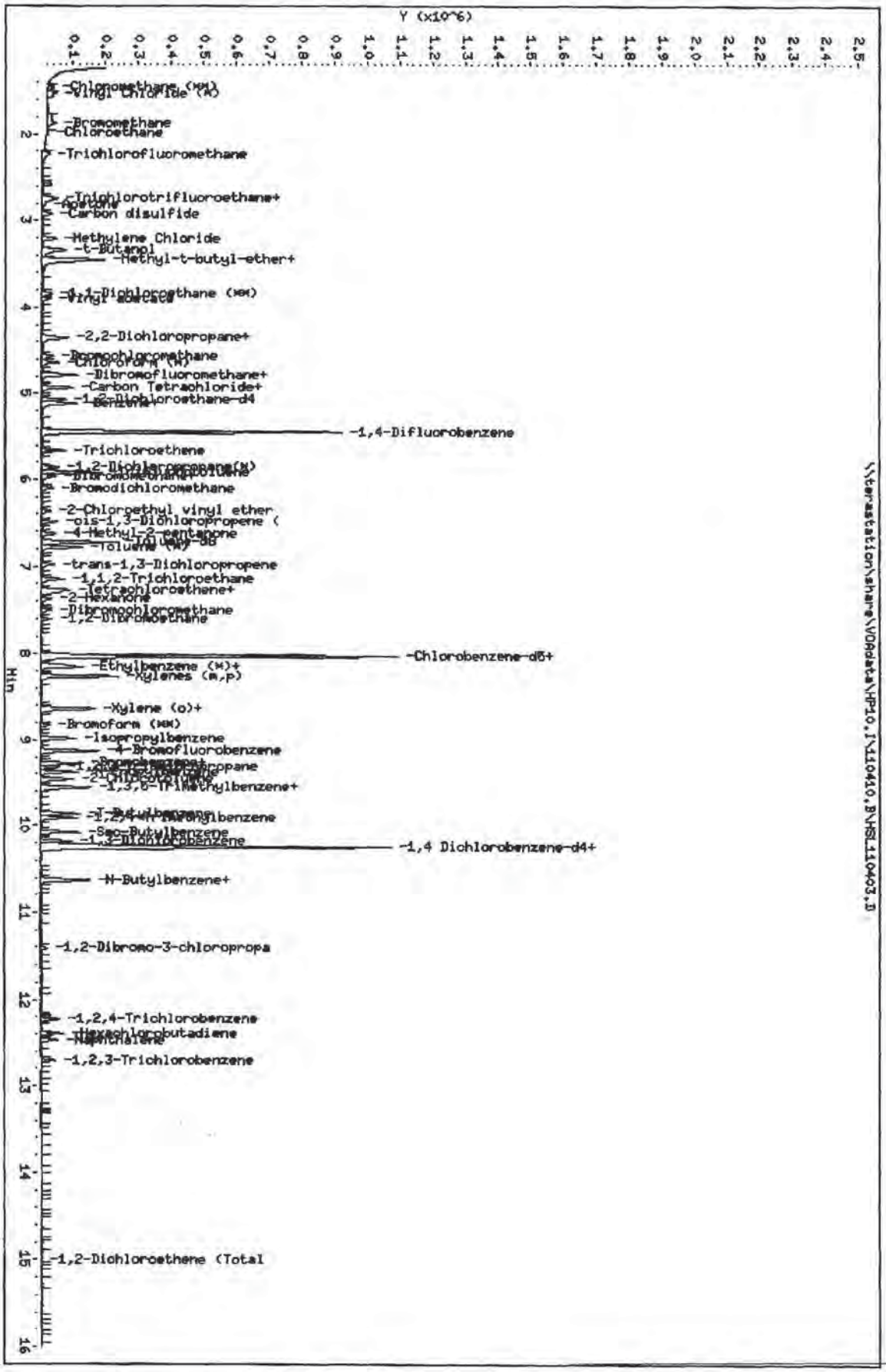
Calibration Date: 04-NOV-2010
Calibration Time: 13:32
Level: LOW
Sample Type: water

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	748116	-12.03
2 Chlorobenzene-d5	706704	353352	1413408	605242	-14.36
3 1,4 Dichlorobenze	409715	204858	819430	328767	-19.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	0.00
2 Chlorobenzene-d5	8.03	7.53	8.53	8.03	0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	-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: \\terastation\share\VOAdata\HP10.I\110410.B\HSL_110403.D
Date : 04-NOV-2010 12:47
Client ID:
Sample Info: HSL_1.0/2.0 spdi:1:3:1
Purge Volume: 5.0
Column phase:
Instrument: HP10.i
Operator: PD
Column diameter: 0.53
Page 5
\\terastation\share\VOAdata\HP10.I\110410.B\HSL_110403.D
Y (x10^6)
Min
-Chloromethane (HM)
-Vinyl Chloride (A)
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Trichlorotrifluoroethane+
-Acetone
-Carbon disulfide
-Methylene Chloride
-t-Butanol
-Methyl-t-butyl-ether+
-1,1-Dichloroethane (HM)
-Vinyl acetate
-2,2-Dichloropropane+
-Bromochloromethane
-Chloroform (M)
-Dibromofluoromethane+
-Carbon Tetrachloride+
-1,2-Dichloroethane-d4
-Benzene
-1,4-Difluorobenzene
-Trichloroethene
-1,2-Dichloropropane(M)
-Dibromomethane+Toluene
-Bromodichloromethane
-2-Chlorgethyl vinyl ether
-cis-1,3-Dichloropropene (
-4-Methyl-2-pentanone
-Toluene (M)-d8
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-Ethylbenzene (M)+
-Xylenes (m,p)
-Xylene (o)+
-Bromoform (HM)
-Isopropylbenzene
-4-Bromofluorobenzene
-1,3,5-Trimethylbenzene+
-1,2,4-Trimethylbenzene
-Sec-Butylbenzene
-1,3-Dichlorobenzene
-1,4 Dichlorobenzene-d4+
-N-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
-1,2-Dichloroethene (Total

TestAmerica

Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\HSL110404.D
Lab Smp Id: HSL_4
Inj Date : 04-NOV-2010 13:10
Operator : PD Inst ID: HP10.i
Smp Info : HSL_4 ;pd;1;;4;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.M
Meth Date : 04-Nov-2010 15:29 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 13:10 Cal File: HSL110404.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACPC

PD
110410

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	810681	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	660413	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	379508	10.0000	
$ 4	Dibromofluoromethane	111	4.781	4.781	(0.878)	86240	4.00000	4.05314
$ 5	1,2-Dichloroethane-d4	65	5.067	5.067	(0.931)	91475	4.00000	3.88512
$ 6	Toluene-d8	98	6.722	6.722	(1.235)	296266	4.00000	3.94086
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.137)	113716	4.00000	3.99977
$ 136	Trifluorotoluene	146	5.919	5.919	(1.087)	164337	4.00000	4.02420
8	Dichlorodifluoromethane	85	1.314	1.320	(0.241)	77000	4.00000	4.03176
9	Chloromethane (**)	50	1.453	1.460	(0.267)	89908	4.00000	4.24591
10	Vinyl Chloride (*)	62	1.563	1.563	(0.287)	91131	4.00000	4.43293
11	Bromomethane	94	1.879	1.886	(0.345)	68029	4.00000	4.41638
12	Chloroethane	64	1.989	1.989	(0.365)	57772	4.00000	4.51380
13	Trichlorofluoromethane	101	2.232	2.238	(0.410)	108045	4.00000	4.05278
15	Trichlorotrifluoroethane	101	2.761	2.762	(0.507)	66736	4.00000	4.14424
17	1,1-Dichloroethene(*)	96	2.737	2.743	(0.503)	69068	4.00000	4.44342
18	Acetone	43	2.810	2.810	(0.516)	43997	4.00000	3.56083
21	Carbon disulfide	76	2.932	2.932	(0.539)	229102	4.00000	4.34205
31	Vinyl acetate	43	3.905	3.905	(0.717)	193106	4.00000	4.28578
22	Methylene Chloride	84	3.212	3.212	(0.590)	86147	4.00000	4.43690
23	t-Butanol	59	3.345	3.346	(0.615)	563421	100.000	101.152

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
25	Methyl-t-butyl-ether	73	3.467	3.467	(0.637)	217307	4.00000	4.38681
26	trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	88437	4.00000	4.12575
27	Acrylonitrile	53	3.449	3.449	(0.634)	531147	40.0000	41.2841
30	1,1-Dichloroethane (**)	63	3.844	3.844	(0.706)	142040	4.00000	4.43270
33	2,2-Dichloropropane	77	4.355	4.355	(0.800)	96666	4.00000	4.31817
35	cis 1,2-Dichloroethene	96	4.361	4.362	(0.801)	95544	4.00000	4.43566
38	2-Butanone	43	4.380	4.380	(0.804)	81267	4.00000	3.71338
40	Bromochloromethane	128	4.568	4.568	(0.839)	51045	4.00000	4.28566
41	Chloroform (*)	83	4.641	4.641	(0.853)	140396	4.00000	4.43666
42	1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	114793	4.00000	4.27046
43	Carbon Tetrachloride	117	4.927	4.933	(0.905)	99523	4.00000	4.18870
44	1,1-Dichloropropene	75	4.933	4.933	(0.906)	107879	4.00000	4.28727
47	Benzene	78	5.110	5.110	(0.939)	336510	4.00000	4.34275
48	1,2-Dichloroethane	62	5.134	5.134	(0.943)	111029	4.00000	4.30801
49	Trichloroethene	95	5.663	5.663	(1.040)	88621	4.00000	4.44296
51	1,2-Dichloropropane(*)	63	5.864	5.864	(1.077)	75649	4.00000	4.33712
52	Dibromomethane	93	5.967	5.962	(1.096)	52390	4.00000	3.87339
53	1,4-Dioxane	88	5.980	5.980	(1.098)	39831	100.000	106.037
54	Bromodichloromethane	83	6.101	6.101	(1.121)	94021	4.00000	3.91482
55	2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	50263	4.00000	3.70428
56	cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	118887	4.00000	3.89667
57	4-Methyl-2-pentanone	43	6.625	6.625	(1.217)	129649	4.00000	4.07398
58	Toluene (*)	92	6.783	6.783	(1.246)	214681	4.00000	4.30120
60	trans-1,3-Dichloropropene(xt)	75	6.983	6.984	(1.283)	104688	4.00000	3.86942
61	1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	79599	4.00000	4.35019
62	Tetrachloroethene	166	7.269	7.270	(0.905)	118113	4.00000	4.42791
63	1,3-Dichloropropane	76	7.294	7.300	(0.908)	142577	4.00000	4.33404
64	2-Hexanone	43	7.373	7.373	(0.918)	97025	4.00000	3.97514
65	Dibromochloromethane	129	7.501	7.501	(0.934)	79011	4.00000	3.71984
66	1,2-Dibromoethane	107	7.604	7.604	(0.947)	89073	4.00000	4.31313
67	1-Chlorohexane	91	8.030	8.030	(1.000)	107039	4.00000	3.91291
68	Chlorobenzene (**)	112	8.054	8.054	(1.003)	245572	4.00000	4.33321
69	Ethylbenzene (*)	106	8.158	8.152	(1.016)	127175	4.00000	4.34111
70	1,1,1,2-Tetrachloroethane	131	8.133	8.133	(1.013)	82123	4.00000	4.26690
71	Xylenes (m,p)	106	8.261	8.261	(1.029)	325561	8.00000	8.77177
72	Xylene (o)	106	8.638	8.632	(1.076)	157340	4.00000	4.44630
73	Styrene	104	8.650	8.651	(1.077)	238205	4.00000	4.05369
74	Bromoform (**)	173	8.827	8.827	(1.099)	58361	4.00000	3.57396
75	Isopropylbenzene	105	8.985	8.985	(1.119)	369841	4.00000	4.40120
77	Bromobenzene	156	9.277	9.277	(0.905)	119052	4.00000	4.28171
78	1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	114044	4.00000	4.16832
79	N-Propylbenzene	91	9.380	9.381	(0.915)	435116	4.00000	4.30158
80	1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	46090	4.00000	4.20744
81	2-Chlorotoluene	91	9.459	9.460	(0.923)	262084	4.00000	4.25738
82	1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	311866	4.00000	4.35066
83	4-Chlorotoluene	91	9.563	9.563	(0.933)	303522	4.00000	4.32049
84	T-Butylbenzene	119	9.867	9.867	(0.963)	292986	4.00000	4.32225
85	1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	311794	4.00000	4.28936
86	Sec-Butylbenzene	105	10.080	10.080	(0.983)	404911	4.00000	4.30171
87	1,3-Dichlorobenzene	146	10.183	10.184	(0.993)	208820	4.00000	4.38432
88	P-Isopropyltoluene	119	10.220	10.220	(0.997)	344385	4.00000	4.25922
89	1,4-Dichlorobenzene	146	10.275	10.275	(1.002)	208277	4.00000	4.15254
90	N-Butylbenzene	91	10.621	10.622	(1.036)	267149	4.00000	4.07587
91	1,2-Dichlorobenzene	146	10.634	10.640	(1.037)	200014	4.00000	4.34355

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.412	11.406	(1.113)	17790	4.00000	3.45728
	93 1,2,4-Trichlorobenzene	180	12.227	12.228	(1.193)	120282	4.00000	3.84206
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	75506	4.00000	4.25226
	95 Naphthalene	128	12.471	12.471	(1.217)	264754	4.00000	3.30780
	96 1,2,3-Trichlorobenzene	180	12.714	12.708	(1.240)	101443	4.00000	3.75693
M	97 1,2-Dichloroethene (Total)	96				183981	8.00000	8.56142
M	98 Xylenes (Total)	106				482901	12.0000	13.2181

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: HSL110404.D
Lab Smp Id: HSL 4
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.m
Misc Info: 1;water;0;1_8260.sub;;0;5

Calibration Date: 04-NOV-2010
Calibration Time: 13:32
Level: LOW
Sample Type: water

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	810681	-4.67
2 Chlorobenzene-d5	706704	353352	1413408	660413	-6.55
3 1,4 Dichlorobenze	409715	204858	819430	379508	-7.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	-0.00
2 Chlorobenzene-d5	8.03	7.53	8.53	8.03	-0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	-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: \\terastation\share\VOAdata\HP10.I\110410.B\HSL110404.D

Date : 04-NOV-2010 13:10

Client ID:

Sample Info: HSL_4 ;pd:1;;4;;1

Purge Volume: 5.0

Column phase:

Instrument: HP10.i

Operator: PD

Column diameter: 0.53

TestAmerica

Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\HSL110405.D
Lab Smp Id: HSL_20
Inj Date : 04-NOV-2010 13:32
Operator : PD Inst ID: HP10.i
Smp Info : HSL_20 ;pd;1;;5;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.M
Meth Date : 04-Nov-2010 15:29 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 13:32 Cal File: HSL110405.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000 PD
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACPC 110410

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	850418	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	706704	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	409715	10.0000	
$ 4	Dibromofluoromethane	111	4.781	4.781	(0.878)	443676	20.0000	19.8777
$ 5	1,2-Dichloroethane-d4	65	5.067	5.067	(0.931)	475170	20.0000	19.2384
$ 6	Toluene-d8	98	6.722	6.722	(1.235)	1539933	20.0000	19.5267
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.137)	578100	20.0000	19.0018
$ 136	Trifluorotoluene	146	5.919	5.919	(1.087)	878832	20.0000	20.5148
8	Dichlorodifluoromethane	85	1.320	1.320	(0.242)	415543	20.0000	20.8128
9	Chloromethane (**)	50	1.460	1.460	(0.268)	451034	20.0000	20.3048
10	Vinyl Chloride (*)	62	1.563	1.563	(0.287)	464457	20.0000	21.5371
11	Bromomethane	94	1.886	1.886	(0.346)	312906	20.0000	19.3644
12	Chloroethane	64	1.989	1.989	(0.365)	282610	20.0000	21.0489
13	Trichlorofluoromethane	101	2.238	2.238	(0.411)	571632	20.0000	20.4401
15	Trichlorotrifluoroethane	101	2.762	2.762	(0.507)	340924	20.0000	20.1818
17	1,1-Dichloroethene(*)	96	2.743	2.743	(0.504)	343810	20.0000	21.0852
18	Acetone	43	2.810	2.810	(0.516)	239819	20.0000	18.5024
21	Carbon disulfide	76	2.932	2.932	(0.539)	1201051	20.0000	21.6993
31	Vinyl acetate	43	3.905	3.905	(0.717)	1013748	20.0000	21.4478
22	Methylene Chloride	84	3.212	3.212	(0.590)	415355	20.0000	20.3928
23	t-Butanol	59	3.346	3.346	(0.615)	2847742	500.000	487.372

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
25	Methyl-t-butyl-ether	73	3.467	3.467	(0.637)	1101668	20.0000	21.2004
26	trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	444412	20.0000	19.7639
27	Acrylonitrile	53	3.449	3.449	(0.634)	2782537	200.000	206.171
30	1,1-Dichloroethane (**)	63	3.844	3.844	(0.706)	720843	20.0000	21.4445
33	2,2-Dichloropropane	77	4.355	4.355	(0.800)	489218	20.0000	20.8327
35	cis 1,2-Dichloroethene	96	4.362	4.362	(0.801)	484443	20.0000	21.4395
38	2-Butanone	43	4.380	4.380	(0.804)	417989	20.0000	18.2069
40	Bromochloromethane	128	4.568	4.568	(0.839)	266929	20.0000	21.3638
41	Chloroform (*)	83	4.641	4.641	(0.853)	720620	20.0000	21.7083
42	1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	602443	20.0000	21.3645
43	Carbon Tetrachloride	117	4.933	4.933	(0.906)	541596	20.0000	21.7295
44	1,1-Dichloropropene	75	4.933	4.933	(0.906)	553631	20.0000	20.9740
47	Benzene	78	5.110	5.110	(0.939)	1733173	20.0000	21.3219
48	1,2-Dichloroethane	62	5.134	5.134	(0.943)	577208	20.0000	21.3496
49	Trichloroethene	95	5.663	5.663	(1.040)	441751	20.0000	21.1121
51	1,2-Dichloropropane(*)	63	5.864	5.864	(1.077)	391920	20.0000	21.4197
52	Dibromomethane	93	5.962	5.962	(1.095)	282550	20.0000	19.9138
53	1,4-Dioxane	88	5.980	5.980	(1.098)	197211	500.000	501.274
54	Bromodichloromethane	83	6.101	6.101	(1.121)	522949	20.0000	20.7570
55	2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	302563	20.0000	20.0752
56	cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	649041	20.0000	20.2791
57	4-Methyl-2-pentanone	43	6.625	6.625	(1.217)	739059	20.0000	22.1384
58	Toluene (*)	92	6.783	6.783	(1.246)	1104054	20.0000	21.0865
60	trans-1,3-Dichloropropene(xt)	75	6.984	6.984	(1.283)	592313	20.0000	19.7867
61	1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	409693	20.0000	21.3440
62	Tetrachloroethene	166	7.270	7.270	(0.905)	581244	20.0000	20.3628
63	1,3-Dichloropropane	76	7.300	7.300	(0.909)	732019	20.0000	20.7943
64	2-Hexanone	43	7.373	7.373	(0.918)	562494	20.0000	21.5360
65	Dibromochloromethane	129	7.501	7.501	(0.934)	461059	20.0000	19.8730
66	1,2-Dibromoethane	107	7.604	7.604	(0.947)	474578	20.0000	21.4750
67	1-Chlorohexane	91	8.030	8.030	(1.000)	584847	20.0000	19.9792
68	Chlorobenzene (**)	112	8.054	8.054	(1.003)	1254664	20.0000	20.6888
69	Ethylbenzene (*)	106	8.152	8.152	(1.015)	666863	20.0000	21.2723
70	1,1,1,2-Tetrachloroethane	131	8.133	8.133	(1.013)	442774	20.0000	21.4985
71	Xylenes (m,p)	106	8.261	8.261	(1.029)	1684673	40.0000	42.4178
72	Xylene (o)	106	8.632	8.632	(1.075)	807283	20.0000	21.3188
73	Styrene	104	8.651	8.651	(1.077)	1348472	20.0000	21.4447
74	Bromoform (**)	173	8.827	8.827	(1.099)	381737	20.0000	19.8944
75	Isopropylbenzene	105	8.985	8.985	(1.119)	1909118	20.0000	21.2308
77	Bromobenzene	156	9.277	9.277	(0.905)	613241	20.0000	20.4292
78	1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	602919	20.0000	20.4120
79	N-Propylbenzene	91	9.381	9.381	(0.915)	2312054	20.0000	21.1719
80	1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	241929	20.0000	20.4568
81	2-Chlorotoluene	91	9.460	9.460	(0.923)	1354496	20.0000	20.3807
82	1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	1654306	20.0000	21.3768
83	4-Chlorotoluene	91	9.563	9.563	(0.933)	1603537	20.0000	21.1427
84	T-Butylbenzene	119	9.867	9.867	(0.963)	1538021	20.0000	21.0167
85	1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	1690339	20.0000	21.5396
86	Sec-Butylbenzene	105	10.080	10.080	(0.983)	2134416	20.0000	21.0039
87	1,3-Dichlorobenzene	146	10.184	10.184	(0.993)	1071259	20.0000	20.8336
88	P-Isopropyltoluene	119	10.220	10.220	(0.997)	1882702	20.0000	21.5678
89	1,4-Dichlorobenzene	146	10.275	10.275	(1.002)	1080319	20.0000	19.9510
90	N-Butylbenzene	91	10.622	10.622	(1.036)	1500225	20.0000	21.2013
91	1,2-Dichlorobenzene	146	10.640	10.640	(1.038)	1030763	20.0000	20.7340

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	111350	20.0000	19.5201
	93 1,2,4-Trichlorobenzene	180	12.228	12.228	(1.193)	711225	20.0000	20.6053
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	392234	20.0000	20.4608
	95 Naphthalene	128	12.471	12.471	(1.217)	1761506	20.0000	19.8308
	96 1,2,3-Trichlorobenzene	180	12.708	12.708	(1.240)	599803	20.0000	20.1742
M	97 1,2-Dichloroethene (Total)	96				928855	40.0000	41.2034
M	98 Xylenes (Total)	106				2491956	60.0000	63.7367

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: HSL110405.D
Lab Smp Id: HSL 20
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.m
Misc Info: 1;water;0;1_8260.sub;;0;5

Calibration Date: 04-NOV-2010
Calibration Time: 13:32

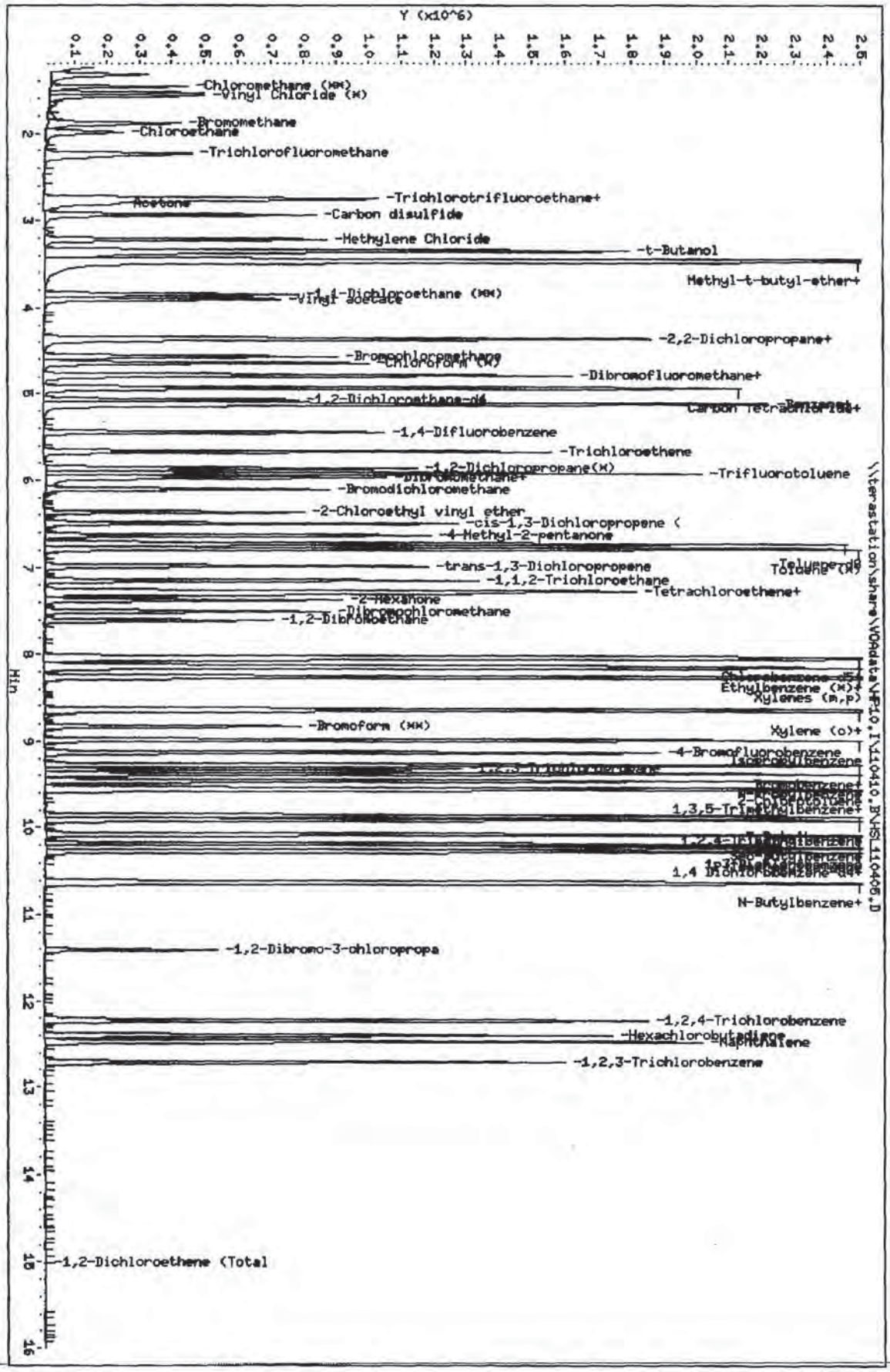
Level: LOW
Sample Type: water

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	850418	0.00
2 Chlorobenzene-d5	706704	353352	1413408	706704	0.00
3 1,4 Dichlorobenze	409715	204858	819430	409715	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	0.00
2 Chlorobenzene-d5	8.03	7.53	8.53	8.03	0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	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: \\terrastation\share\VOAdata\HP10.I\110410.B\HSL110405.D
Date : 04-NOV-2010 13:32
Client ID:
Sample Info: HSL_20 ;pd;1;;5;;1
Purge Volume: 5.0
Column phase:
Instrument: HP10.i
Operator: PD
Column diameter: 0.53

TestAmerica

Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\HSL110406.D
Lab Smp Id: HSL_40
Inj Date : 04-NOV-2010 13:54
Operator : PD Inst ID: HP10.i
Smp Info : HSL_40 ;pd;1;;6;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.M
Meth Date : 04-Nov-2010 15:30 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 13:54 Cal File: HSL110406.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACPC

PD
110410

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	867118	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	723779	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.251	10.250	(1.000)	434828	10.0000	
$ 4	Dibromofluoromethane	111	4.775	4.781	(0.877)	873998	40.0000	38.4030
$ 5	1,2-Dichloroethane-d4	65	5.067	5.067	(0.931)	946857	40.0000	37.5975
$ 6	Toluene-d8	98	6.722	6.722	(1.235)	3099618	40.0000	38.5468
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.137)	1173616	40.0000	37.6660
$ 136	Trifluorotoluene	146	5.919	5.919	(1.087)	1678979	40.0000	38.4380
8	Dichlorodifluoromethane	85	1.314	1.320	(0.241)	845927	40.0000	41.5701
9	Chloromethane (**)	50	1.454	1.460	(0.267)	901097	40.0000	39.7847
10	Vinyl Chloride (*)	62	1.563	1.563	(0.287)	933943	40.0000	42.4734
11	Bromomethane	94	1.873	1.886	(0.344)	673616	40.0000	40.8843
12	Chloroethane	64	1.983	1.989	(0.364)	565438	40.0000	41.3030
13	Trichlorofluoromethane	101	2.232	2.238	(0.410)	1254355	40.0000	43.9887
15	Trichlorotrifluoroethane	101	2.762	2.762	(0.507)	680741	40.0000	39.5220
17	1,1-Dichloroethene(*)	96	2.737	2.743	(0.503)	687599	40.0000	41.3569
18	Acetone	43	2.810	2.810	(0.516)	518420	40.0000	39.2267
21	Carbon disulfide	76	2.926	2.932	(0.537)	2460324	40.0000	43.5943
31	Vinyl acetate	43	3.899	3.905	(0.716)	2160978	40.0000	44.8391
22	Methylene Chloride	84	3.212	3.212	(0.590)	844863	40.0000	40.6816
23	t-Butanol	59	3.346	3.346	(0.615)	6179388	1000.00	1037.19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
25	Methyl-t-butyl-ether	73	3.467	3.467	(0.637)	2301106	40.0000	43.4293
26	trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	895634	40.0000	39.0635
27	Acrylonitrile	53	3.449	3.449	(0.634)	5862048	400.000	425.980
30	1,1-Dichloroethane (**)	63	3.845	3.844	(0.706)	1441413	40.0000	42.0551
33	2,2-Dichloropropane	77	4.356	4.355	(0.800)	1012480	40.0000	42.2848
35	cis 1,2-Dichloroethene	96	4.362	4.362	(0.801)	978741	40.0000	42.4810
38	2-Butanone	43	4.380	4.380	(0.804)	883535	40.0000	37.7442
40	Bromochloromethane	128	4.568	4.568	(0.839)	540875	40.0000	42.4554
41	Chloroform (*)	83	4.641	4.641	(0.853)	1457667	40.0000	43.0657
42	1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	1232006	40.0000	42.8493
43	Carbon Tetrachloride	117	4.933	4.933	(0.906)	1108000	40.0000	43.5981
44	1,1-Dichloropropene	75	4.933	4.933	(0.906)	1141576	40.0000	42.4151
47	Benzene	78	5.110	5.110	(0.939)	3473831	40.0000	41.9129
48	1,2-Dichloroethane	62	5.128	5.134	(0.942)	1204434	40.0000	43.6914
49	Trichloroethene	95	5.664	5.663	(1.040)	890377	40.0000	41.7332
51	1,2-Dichloropropane(*)	63	5.858	5.864	(1.076)	808726	40.0000	43.3483
52	Dibromomethane	93	5.962	5.962	(1.095)	591737	40.0000	40.9018
53	1,4-Dioxane	88	5.980	5.980	(1.098)	430749	1000.00	1038.52
54	Bromodichloromethane	83	6.102	6.101	(1.121)	1093038	40.0000	42.5495
55	2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	656596	40.0000	41.2842
56	cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	1402842	40.0000	42.9872
57	4-Methyl-2-pentanone	43	6.625	6.625	(1.217)	1570684	40.0000	46.1435
58	Toluene (*)	92	6.783	6.783	(1.246)	2259788	40.0000	42.3288
60	trans-1,3-Dichloropropene(xt)	75	6.984	6.984	(1.283)	1308470	40.0000	41.2708
61	1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	845324	40.0000	43.1912
62	Tetrachloroethene	166	7.270	7.270	(0.905)	1157682	40.0000	39.6004
63	1,3-Dichloropropane	76	7.300	7.300	(0.909)	1517582	40.0000	42.0926
64	2-Hexanone	43	7.373	7.373	(0.918)	1225892	40.0000	45.8279
65	Dibromochloromethane	129	7.501	7.501	(0.934)	990160	40.0000	41.5706
66	1,2-Dibromoethane	107	7.604	7.604	(0.947)	996167	40.0000	44.0138
67	1-Chlorohexane	91	8.030	8.030	(1.000)	1210478	40.0000	40.3761
68	Chlorobenzene (**)	112	8.054	8.054	(1.003)	2553129	40.0000	41.1067
69	Ethylbenzene (*)	106	8.152	8.152	(1.015)	1358058	40.0000	42.2987
70	1,1,1,2-Tetrachloroethane	131	8.133	8.133	(1.013)	924286	40.0000	43.8191
71	Xylenes (m,p)	106	8.261	8.261	(1.029)	3456192	80.0000	84.9694
72	Xylene (o)	106	8.638	8.632	(1.076)	1659823	40.0000	42.7987
73	Styrene	104	8.651	8.651	(1.077)	2869701	40.0000	44.5601
74	Bromoform (**)	173	8.827	8.827	(1.099)	850765	40.0000	41.5330
75	Isopropylbenzene	105	8.985	8.985	(1.119)	3955910	40.0000	42.9548
77	Bromobenzene	156	9.277	9.277	(0.905)	1271144	40.0000	39.9005
78	1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	1278297	40.0000	40.7778
79	N-Propylbenzene	91	9.381	9.381	(0.915)	4868934	40.0000	42.0107
80	1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	506933	40.0000	40.3892
81	2-Chlorotoluene	91	9.460	9.460	(0.923)	2818896	40.0000	39.9654
82	1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	3492069	40.0000	42.5181
83	4-Chlorotoluene	91	9.563	9.563	(0.933)	3349362	40.0000	41.6110
84	T-Butylbenzene	119	9.867	9.867	(0.963)	3171575	40.0000	40.8358
85	1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	3577077	40.0000	42.9493
86	Sec-Butylbenzene	105	10.080	10.080	(0.983)	4578047	40.0000	42.4488
87	1,3-Dichlorobenzene	146	10.184	10.184	(0.993)	2225790	40.0000	40.7866
88	P-Isopropyltoluene	119	10.220	10.220	(0.997)	4006446	40.0000	43.2462
89	1,4-Dichlorobenzene	146	10.275	10.275	(1.002)	2288622	40.0000	39.8245
90	N-Butylbenzene	91	10.622	10.622	(1.036)	3243300	40.0000	43.1874
91	1,2-Dichlorobenzene	146	10.640	10.640	(1.038)	2144875	40.0000	40.6527

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	256858	40.0000	40.8122
	93 1,2,4-Trichlorobenzene	180	12.228	12.228	(1.193)	1540047	40.0000	40.9041
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	857879	40.0000	42.1665
	95 Naphthalene	128	12.471	12.471	(1.217)	4011140	40.0000	40.9213
	96 1,2,3-Trichlorobenzene	180	12.714	12.708	(1.240)	1330000	40.0000	41.0323
M	97 1,2-Dichloroethene (Total)	96				1874375	80.0000	81.5445
M	98 Xylenes (Total)	106				5116015	120.000	127.768

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: HSL110406.D
Lab Smp Id: HSL 40
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.m
Misc Info: 1;water;0;1_8260.sub;;0;5

Calibration Date: 04-NOV-2010
Calibration Time: 13:32
Level: LOW
Sample Type: water

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	867118	1.96
2 Chlorobenzene-d5	706704	353352	1413408	723779	2.42
3 1,4 Dichlorobenze	409715	204858	819430	434828	6.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	0.00
2 Chlorobenzene-d5	8.03	7.53	8.53	8.03	0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	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: \\terastation\share\VOAdata\HP10.I\110410.B\HSL110406.D
Date : 04-NOV-2010 13:54
Client ID:
Sample Info: HSL_40 ;pd;1;;6;;1
Purge Volume: 5.0
Column phase:

Instrument: HP10.i

Operator: PD
Column diameter: 0.53

TestAmerica

Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\HSL110407.D
Lab Smp Id: HSL_60
Inj Date : 04-NOV-2010 14:16
Operator : PD Inst ID: HP10.i
Smp Info : HSL_60 ;pd;1;;7;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.M
Meth Date : 04-Nov-2010 15:30 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 14:16 Cal File: HSL110407.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000 PD
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14 110410
Processing Host: SACPC

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	851616	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	717384	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	425182	10.0000	
$ 4	Dibromofluoromethane	111	4.781	4.781	(0.878)	1322982	60.0000	59.1754
$ 5	1,2-Dichloroethane-d4	65	5.067	5.067	(0.931)	1436529	60.0000	58.0659
$ 6	Toluene-d8	98	6.722	6.722	(1.235)	4706498	60.0000	59.5814
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.137)	1779553	60.0000	57.6220
$ 136	Trifluorotoluene	146	5.919	5.919	(1.087)	2637549	60.0000	61.4680
8	Dichlorodifluoromethane	85	1.320	1.320	(0.242)	1133393	60.0000	56.7035
9	Chloromethane (**)	50	1.460	1.460	(0.268)	1228668	60.0000	55.2219
10	Vinyl Chloride (*)	62	1.569	1.563	(0.288)	1274188	60.0000	58.9878
11	Bromomethane	94	1.886	1.886	(0.346)	868832	60.0000	53.6800
12	Chloroethane	64	1.989	1.989	(0.365)	778708	60.0000	57.9034
13	Trichlorofluoromethane	101	2.232	2.238	(0.410)	1624153	60.0000	57.9802
15	Trichlorotrifluoroethane	101	2.768	2.762	(0.508)	916257	60.0000	54.1510
17	1,1-Dichloroethene(*)	96	2.737	2.743	(0.503)	1005248	60.0000	61.5486
18	Acetone	43	2.810	2.810	(0.516)	731926	60.0000	56.3767
21	Carbon disulfide	76	2.932	2.932	(0.539)	3401737	60.0000	61.3580
31	Vinyl acetate	43	3.905	3.905	(0.717)	3128450	60.0000	66.0797
22	Methylene Chloride	84	3.212	3.212	(0.590)	1204222	60.0000	59.0270
23	t-Butanol	59	3.352	3.346	(0.616)	8927146	1500.00	1525.31

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
25 Methyl-t-butyl-ether	73	3.467	3.467	(0.637)	3116715	60.0000	59.8792
26 trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	1291723	60.0000	57.3512
27 Acrylonitrile	53	3.449	3.449	(0.634)	8005022	600.000	592.155
30 1,1-Dichloroethane (**)	63	3.844	3.844	(0.706)	2087364	60.0000	61.9955
33 2,2-Dichloropropane	77	4.355	4.355	(0.800)	1437524	60.0000	61.1146
35 cis 1,2-Dichloroethene	96	4.362	4.362	(0.801)	1391615	60.0000	61.4863
38 2-Butanone	43	4.380	4.380	(0.804)	1248975	60.0000	54.3141
40 Bromochloromethane	128	4.568	4.568	(0.839)	744989	60.0000	59.5276
41 Chloroform (*)	83	4.641	4.641	(0.853)	2092327	60.0000	62.9267
42 1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	1783657	60.0000	63.1502
43 Carbon Tetrachloride	117	4.933	4.933	(0.906)	1628224	60.0000	65.2190
44 1,1-Dichloropropene	75	4.933	4.933	(0.906)	1655653	60.0000	62.6206
47 Benzene	78	5.110	5.110	(0.939)	5052260	60.0000	62.0522
48 1,2-Dichloroethane	62	5.134	5.134	(0.943)	1696558	60.0000	62.6489
49 Trichloroethene	95	5.663	5.663	(1.040)	1275231	60.0000	60.8455
51 1,2-Dichloropropane(*)	63	5.864	5.864	(1.077)	1143918	60.0000	62.4163
52 Dibromomethane	93	5.968	5.962	(1.096)	828216	60.0000	58.2761
53 1,4-Dioxane	88	5.980	5.980	(1.098)	610723	1500.00	1453.19
54 Bromodichloromethane	83	6.101	6.101	(1.121)	1563956	60.0000	61.9749
55 2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	939344	60.0000	58.4664
56 cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	2010035	60.0000	62.6999
57 4-Methyl-2-pentanone	43	6.625	6.625	(1.217)	2228010	60.0000	66.6302
58 Toluene (*)	92	6.783	6.783	(1.246)	3249497	60.0000	61.9607
60 trans-1,3-Dichloropropene(xt)	75	6.984	6.984	(1.283)	1886944	60.0000	58.6911
61 1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	1188414	60.0000	61.8119
62 Tetrachloroethene	166	7.270	7.270	(0.905)	1672971	60.0000	57.7368
63 1,3-Dichloropropane	76	7.300	7.300	(0.909)	2139721	60.0000	59.8776
64 2-Hexanone	43	7.373	7.373	(0.918)	1755498	60.0000	66.2114
65 Dibromochloromethane	129	7.501	7.501	(0.934)	1392735	60.0000	58.9547
66 1,2-Dibromoethane	107	7.604	7.604	(0.947)	1389942	60.0000	61.9594
67 1-Chlorohexane	91	8.030	8.030	(1.000)	1687534	60.0000	56.7904
68 Chlorobenzene (**)	112	8.054	8.054	(1.003)	3639244	60.0000	59.1161
69 Ethylbenzene (*)	106	8.152	8.152	(1.015)	1929219	60.0000	60.6240
70 1,1,1,2-Tetrachloroethane	131	8.133	8.133	(1.013)	1315848	60.0000	62.9387
71 Xylenes (m,p)	106	8.261	8.261	(1.029)	4974121	120.000	123.377
72 Xylene (o)	106	8.638	8.632	(1.076)	2359766	60.0000	61.3893
73 Styrene	104	8.650	8.651	(1.077)	4093267	60.0000	64.1260
74 Bromoform (**)	173	8.827	8.827	(1.099)	1221945	60.0000	58.3487
75 Isopropylbenzene	105	8.985	8.985	(1.119)	5660405	60.0000	62.0108
77 Bromobenzene	156	9.277	9.277	(0.905)	1811171	60.0000	58.1415
78 1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	1780391	60.0000	58.0831
79 N-Propylbenzene	91	9.381	9.381	(0.915)	6983309	60.0000	61.6212
80 1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	705001	60.0000	57.4444
81 2-Chlorotoluene	91	9.460	9.460	(0.923)	4018384	60.0000	58.2639
82 1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	4950245	60.0000	61.6396
83 4-Chlorotoluene	91	9.569	9.563	(0.934)	4780035	60.0000	60.7324
84 T-Butylbenzene	119	9.867	9.867	(0.963)	4446572	60.0000	58.5510
85 1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	5097690	60.0000	62.5957
86 Sec-Butylbenzene	105	10.080	10.080	(0.983)	6366568	60.0000	60.3716
87 1,3-Dichlorobenzene	146	10.184	10.184	(0.993)	3174423	60.0000	59.4896
88 P-Isopropyltoluene	119	10.220	10.220	(0.997)	5704346	60.0000	62.9706
89 1,4-Dichlorobenzene	146	10.275	10.275	(1.002)	3241700	60.0000	57.6888
90 N-Butylbenzene	91	10.622	10.622	(1.036)	4639207	60.0000	63.1766
91 1,2-Dichlorobenzene	146	10.640	10.640	(1.038)	3011793	60.0000	58.3789

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	380653	60.0000	59.5162
	93 1,2,4-Trichlorobenzene	180	12.228	12.228	(1.193)	2207942	60.0000	58.4500
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	1195904	60.0000	60.1147
	95 Naphthalene	128	12.471	12.471	(1.217)	5891723	60.0000	59.1711
	96 1,2,3-Trichlorobenzene	180	12.714	12.708	(1.240)	1905963	60.0000	58.6720
M	97 1,2-Dichloroethene (Total)	96				2683338	120.000	118.838
M	98 Xylenes (Total)	106				7333887	180.000	184.766

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: HSL110407.D
Lab Smp Id: HSL_60
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.m
Misc Info: 1;water;0;1_8260.sub;;0;5

Calibration Date: 04-NOV-2010
Calibration Time: 13:32
Level: LOW
Sample Type: water

Test Mode:
Use Initial Calibration Level 5.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	851816	0.16
2 Chlorobenzene-d5	706704	353352	1413408	717384	1.51
3 1,4 Dichlorobenze	409715	204858	819430	425182	3.78

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	-0.00
2 Chlorobenzene-d5	8.03	7.53	8.53	8.03	-0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	-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: \\terastation\share\VOAdata\HP10.I\110410.B\HSL110407.D

Date : 04-NOV-2010 14:16

Client ID:

Sample Info: HSL_60 ;pd:1;;7;;1

Purge Volume: 5.0

Column phase:

Instrument: HP10.i

Operator: PD

Column diameter: 0.53

TestAmerica

Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110410.B\HSL110408.D
Lab Smp Id: HSL_800
Inj Date : 04-NOV-2010 14:39
Operator : PD Inst ID: HP10.i
Smp Info : HSL_800 ;pd;1;;8;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.M
Meth Date : 04-Nov-2010 15:30 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 14:39 Cal File: HSL110408.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000 PD
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14 110410
Processing Host: SACPC

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	860173	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	718553	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	433650	10.0000	
$ 4	Dibromofluoromethane	111	4.775	4.781	(0.877)	1765722	80.0000	78.2114
$ 5	1,2-Dichloroethane-d4	65	5.067	5.067	(0.931)	1958278	80.0000	78.3865
$ 6	Toluene-d8	98	6.722	6.722	(1.235)	6348924	80.0000	79.5927
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.137)	2378553	80.0000	76.8924
$ 136	Trifluorotoluene	146	5.919	5.919	(1.087)	3555027	80.0000	82.0448(A)
8	Dichlorodifluoromethane	85	1.314	1.320	(0.241)	1640603	80.0000	81.2891(A)
9	Chloromethane (**)	50	1.460	1.460	(0.268)	1723481	80.0000	76.7085
10	Vinyl Chloride (*)	62	1.569	1.563	(0.288)	1795115	80.0000	82.2964(A)
11	Bromomethane	94	1.879	1.886	(0.345)	1090918	80.0000	66.7466
12	Chloroethane	64	1.983	1.989	(0.364)	1116864	80.0000	82.2412(A)
13	Trichlorofluoromethane	101	2.226	2.238	(0.409)	2372687	80.0000	83.8790(A)
15	Trichlorotrifluoroethane	101	2.761	2.762	(0.507)	1369299	80.0000	80.1397(A)
17	1,1-Dichloroethene(*)	96	2.737	2.743	(0.503)	1414923	80.0000	85.7902
18	Acetone	43	2.810	2.810	(0.516)	1038779	80.0000	79.2347
21	Carbon disulfide	76	2.926	2.932	(0.537)	5085947	80.0000	90.8452(A)
31	Vinyl acetate	43	3.899	3.905	(0.716)	4191460	80.0000	87.5726(A)
22	Methylene Chloride	84	3.212	3.212	(0.590)	1691760	80.0000	82.1188(A)
23	t-Butanol	59	3.352	3.346	(0.616)	12732762	2000.00	2154.41(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
25	Methyl-t-butyl-ether	73	3.467	3.467	(0.637)	4575849	80.0000	87.0584(A)
26	trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	1827908	80.0000	80.3688(A)
27	Acrylonitrile	53	3.449	3.449	(0.634)	11560984	800.000	846.891(A)
30	1,1-Dichloroethane (**)	63	3.844	3.844	(0.706)	2979328	80.0000	87.6275(A)
33	2,2-Dichloropropane	77	4.355	4.355	(0.800)	2042289	80.0000	85.9820(A)
35	cis 1,2-Dichloroethene	96	4.361	4.362	(0.801)	1963238	80.0000	85.8998(A)
38	2-Butanone	43	4.380	4.380	(0.804)	1755499	80.0000	75.5996
40	Bromochloromethane	128	4.568	4.568	(0.839)	1051747	80.0000	83.2224(A)
41	Chloroform (*)	83	4.641	4.641	(0.853)	2967767	80.0000	88.3884(A)
42	1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	2548894	80.0000	89.3666(A)
43	Carbon Tetrachloride	117	4.927	4.933	(0.905)	2321847	80.0000	92.0988(A)
44	1,1-Dichloropropene	75	4.933	4.933	(0.906)	2341460	80.0000	87.6990(A)
47	Benzene	78	5.110	5.110	(0.939)	7117399	80.0000	86.5670(A)
48	1,2-Dichloroethane	62	5.128	5.134	(0.942)	2434418	80.0000	89.0226(A)
49	Trichloroethene	95	5.663	5.663	(1.040)	1802126	80.0000	85.1501(A)
51	1,2-Dichloropropane(*)	63	5.864	5.864	(1.077)	1619751	80.0000	87.5208(A)
52	Dibromomethane	93	5.961	5.962	(1.095)	1167394	80.0000	81.3437(A)
53	1,4-Dioxane	88	5.980	5.980	(1.098)	896906	2000.00	2013.31(A)
54	Bromodichloromethane	83	6.101	6.101	(1.121)	2234146	80.0000	87.6724(A)
55	2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	1356860	80.0000	80.4502(A)
56	cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	2874603	80.0000	88.7975(A)
57	4-Methyl-2-pentanone	43	6.625	6.625	(1.217)	3144573	80.0000	93.1270(A)
58	Toluene (*)	92	6.783	6.783	(1.246)	4591442	80.0000	86.6980(A)
60	trans-1,3-Dichloropropene(xt)	75	6.983	6.984	(1.283)	2725649	80.0000	80.3620(A)
61	1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	1659379	80.0000	85.4693(A)
62	Tetrachloroethene	166	7.269	7.270	(0.905)	2348209	80.0000	80.9085(A)
63	1,3-Dichloropropane	76	7.300	7.300	(0.909)	3009423	80.0000	84.0782(A)
64	2-Hexanone	43	7.373	7.373	(0.918)	2473685	80.0000	93.1472(A)
65	Dibromochloromethane	129	7.501	7.501	(0.934)	1980358	80.0000	83.6537(A)
66	1,2-Dibromoethane	107	7.604	7.604	(0.947)	1966365	80.0000	87.5120(A)
67	1-Chlorohexane	91	8.030	8.030	(1.000)	2473732	80.0000	83.1127(A)
68	Chlorobenzene (**)	112	8.054	8.054	(1.003)	5131593	80.0000	83.2223(A)
69	Ethylbenzene (*)	106	8.158	8.152	(1.016)	2716544	80.0000	85.2261(A)
70	1,1,1,2-Tetrachloroethane	131	8.133	8.133	(1.013)	1839314	80.0000	87.8336(A)
71	Xylenes (m,p)	106	8.267	8.261	(1.030)	7049262	160.000	174.564(A)
72	Xylene (o)	106	8.638	8.632	(1.076)	3324160	80.0000	86.3373(A)
73	Styrene	104	8.650	8.651	(1.077)	5844331	80.0000	91.4096(A)
74	Bromoform (**)	173	8.827	8.827	(1.099)	1763561	80.0000	80.4494(A)
75	Isopropylbenzene	105	8.985	8.985	(1.119)	8014918	80.0000	87.6621(A)
77	Bromobenzene	156	9.277	9.277	(0.905)	2543102	80.0000	80.0435(A)
78	1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	2476589	80.0000	79.2180
79	N-Propylbenzene	91	9.380	9.381	(0.915)	9819845	80.0000	84.9589(A)
80	1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	987556	80.0000	78.8960
81	2-Chlorotoluene	91	9.459	9.460	(0.923)	5598295	80.0000	79.5865
82	1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	7040863	80.0000	85.9597(A)
83	4-Chlorotoluene	91	9.563	9.563	(0.933)	6755090	80.0000	84.1504(A)
84	T-Butylbenzene	119	9.867	9.867	(0.963)	6292049	80.0000	81.2338(A)
85	1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	7235769	80.0000	87.1146(A)
86	Sec-Butylbenzene	105	10.080	10.080	(0.983)	9060140	80.0000	84.2360(A)
87	1,3-Dichlorobenzene	146	10.183	10.184	(0.993)	4506248	80.0000	82.7993(A)
88	P-Isopropyltoluene	119	10.220	10.220	(0.997)	8094644	80.0000	87.6123(A)
89	1,4-Dichlorobenzene	146	10.275	10.275	(1.002)	4596388	80.0000	80.1994(A)
90	N-Butylbenzene	91	10.621	10.622	(1.036)	6597026	80.0000	88.0838(A)
91	1,2-Dichlorobenzene	146	10.640	10.640	(1.038)	4302385	80.0000	81.7665(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	548595	80.0000	80.0881(A)
	93 1,2,4-Trichlorobenzene	180	12.227	12.228	(1.193)	3214999	80.0000	80.5212(A)
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	1677052	80.0000	82.6545(A)
	95 Naphthalene	128	12.471	12.471	(1.217)	8570992	80.0000	80.2156(A)
	96 1,2,3-Trichlorobenzene	180	12.714	12.708	(1.240)	2754438	80.0000	80.4133(A)
M	97 1,2-Dichloroethene (Total)	96				3791146	160.000	166.269
M	98 Xylenes (Total)	106				10373422	240.000	260.902

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: HSL110408.D
Lab Smp Id: HSL 800
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\terastation\share\VOAdata\HP10.I\110410.B\8260ALOW.m
Misc Info: 1;water;0;1_8260.sub;;0;5

Calibration Date: 04-NOV-2010
Calibration Time: 13:32
Level: LOW
Sample Type: water

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	860173	1.15
2 Chlorobenzene-d5	706704	353352	1413408	718553	1.68
3 1,4 Dichlorobenze	409715	204858	819430	433650	5.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	-0.00
2 Chlorobenzene-d5	8.03	7.53	8.53	8.03	-0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	-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: \\terastation\share\VOAdata\HP10.I\110410.B\HSL110408.D

Date : 04-NOV-2010 14:39

Client ID:

Sample Info: HSL_800 ;pd:1;;8;;1

Purge Volume: 5.0

Column phase:

Instrument: HP10.i

Operator: PD

Column diameter: 0.53

TestAmerica West Sacramento
GC/MS VOA INSTRUMENT LOG

Page# 2

8260B / Gas

SOP : WS-MS-0007 Rev# 4.2

Standard ID's

BFB-50	10MSV0086	8260-IS	10MSV0505	8260-SURR	10MSV0503
TCLA	10MSV0492	TCLA SS	10MSV0473	TFT-SURR	10MSV0502
TCLB	10MSV0497	TCLB SS	10MSV0444		
Odd #1	10MSV0493	Odd #1 ss	10MSV0457	WDM	10MSV0012
Odd #2	10MSV0494	Odd #2 SS	10MSV0468	Gasoline (ps)	10MSV0507
VA	10MSV0498	VA SS	10MSV0446	Gasoline (ss)	10MSV0482
AP9A	10MSV0416	AP9A SS	10MSV0409		
AP9B	10MSV0419	AP9B SS	10MSV0422	Gasoline Stock	10MSV0506
ACRLN	10MSV0412	ACRLN SS	10MSV0415	**Second Source used for ICV only**	

Inst ID : HP10.i
Batch ID : 110510.B
Matrix : WATER
Level : LOW
Name/date: PD/110510

Gas Key: 1=CA-LUFT 2=8015-Mod(C6-C12)
3=AK101 4=NW-TPH
5=Other (C___-C___)

HSL ICAL# 110410 GAS ICAL# 110410 AP9 ICAL# na

Batch#

8260B[ ] Gas[ ]	8260B[ ] Gas[ ]	8260B[ ] Gas[ ]	8260B[ ] Gas[ ]	8260B[ ] Gas[ ]
Lot(s)#				
Lot(s)#				
QC WO# ___/___	___/___	___/___	___/___	___/___

Date	Time	Optr	Sample ID	File ID	Vol or Wt	AS Posn	Vial #	pH <2	Comments
05-NOV-2010	07:47	PD	COB-Aq	COB01.D	5 mL	49			
05-NOV-2010	08:09	PD	COB-Aq	COB02.D	5 mL	50			
05-NOV-2010	08:38	PD	50ng BFB 1ul di	BFB1105.D	0 mL	51			
05-NOV-2010	08:52	PD	AP9 20 (PS)	AP91105.D	5 mL	1			
05-NOV-2010	09:14	PD	ICVHSL1104	ICVHSL110	5 mL	2			OK
05-NOV-2010	09:37	PD	TVPH WDM	WDM1105.D	5 mL	3			OK
05-NOV-2010	09:59	PD	GAS_500_ICV	ICVGAS110	5 mL	4			OK

TestAmerica

Data file : \\terastation\share\VOAdata\HP10.I\110510.B\BFB1105.D
Lab Smp Id: bfb
Inj Date : 05-NOV-2010 08:38
Operator : PD Inst ID: HP10.i
Smp Info : 50ng BFB 1ul di;PD
Misc Info : 1;WATER;0;all.sub;;0;5
Comment :
Method : \\terastation\share\VOAdata\HP10.I\110510.B\390BFB10.m
Meth Date : 13-Oct-2010 14:52 dibbsp Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 51 QC Sample: BFB
Dil Factor: 1.00000 PD
Integrator: HP RTE Compound Sublist: 3_BFB.sub
Target Version: 4.14 110510 Sample Matrix: WATER
Processing Host: SACPC

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb10						CAS #: 460-00-4		
3.338	3.338	(0.000)	95	1279488			0.00- 100.00	91.07
3.338	3.338	(0.000)	50	211712			15.00- 40.00	16.55
3.338	3.338	(0.000)	75	586048			30.00- 60.00	45.80
3.338	3.338	(0.000)	96	85552			5.00- 9.00	6.69
3.338	3.338	(0.000)	173	1978			0.00- 2.00	0.14
3.338	3.338	(0.000)	174	1404928			50.00- 0.00	109.80
3.338	3.338	(0.000)	175	96504			5.00- 9.00	6.87
3.338	3.338	(0.000)	176	1377792			95.00- 101.00	98.07
3.338	3.338	(0.000)	177	87696			5.00- 9.00	6.36

Data File: \\terastation\share\VOAdata\HP10.I\110510.B\BFB1105.D

Date : 05-NOV-2010 08:38

Client ID:

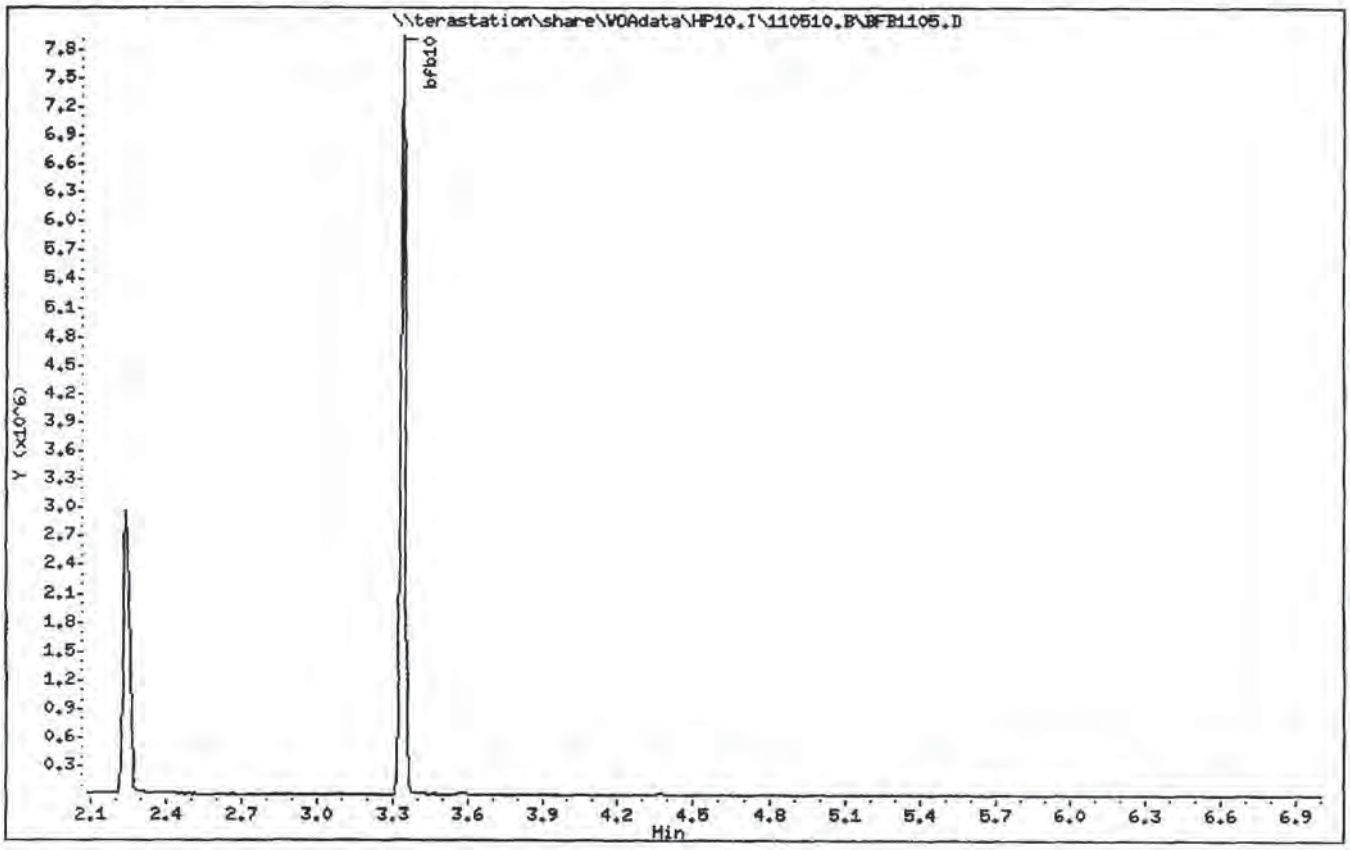
Instrument: HP10.i

Sample Info: 50ng BFB 1ul di;PD

Operator: PD

Column phase:

Column diameter: 2.00



Data File: \\terastation\share\VOAdata\HP10.I\110510.B\BFB1105.D

Date : 05-NOV-2010 08:38

Client ID:

Instrument: HP10.i

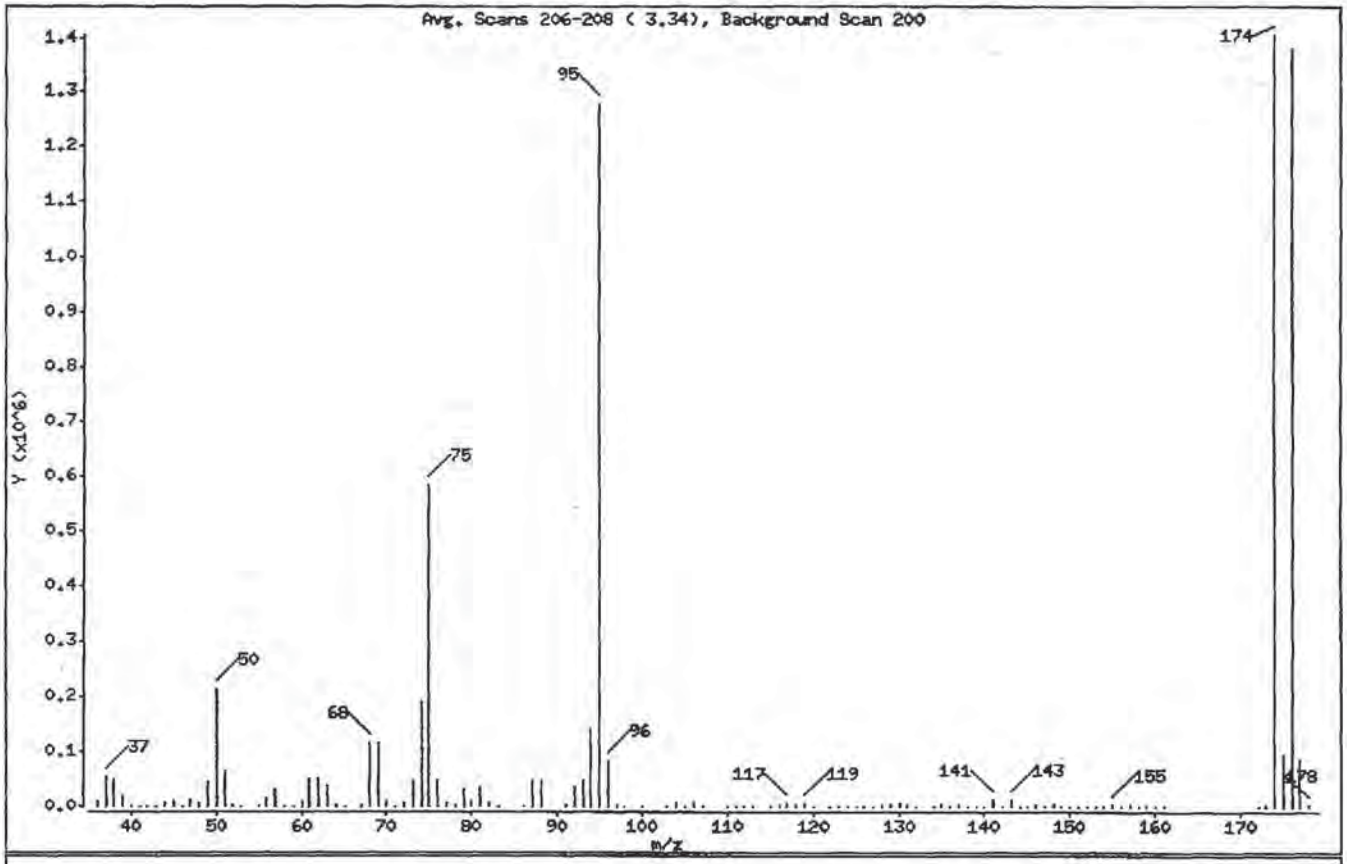
Sample Info: 50ng BFB 1ul di;PD

Operator: PD

Column phase:

Column diameter: 2.00

1 bfb10



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.55
75	30.00 - 60.00% of mass 95	45.80
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.15 (0.14)
174	Greater than 50.00% of mass 95	109.80
175	5.00 - 9.00% of mass 174	7.54 (6.87)
176	95.00 - 101.00% of mass 174	107.68 (98.07)
177	5.00 - 9.00% of mass 176	6.85 (6.36)

Data File: \\terastation\share\VOAdata\HP10.I\110510.B\BFB1105.D

Date : 05-NOV-2010 08:38

Client ID:

Instrument: HP10.i

Sample Info: 50ng BFB 1ul di;PD

Operator: PD

Column phase:

Column diameter: 2.00

Data File: BFB1105.D
Spectrum: Avg. Scans 206-208 (3.34), Background Scan 200
Location of Maximum: 174.00
Number of points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9285	68.00	117176	105.00	1246	140.00	857
37.00	54664	69.00	117168	106.00	5424	141.00	12619
38.00	49936	70.00	9675	107.00	976	142.00	1459
39.00	18424	71.00	432	110.00	828	143.00	14451
40.00	617	72.00	5414	111.00	1182	144.00	736
41.00	235	73.00	48680	112.00	822	145.00	1022
42.00	70	74.00	191424	113.00	1241	146.00	1846
43.00	694	75.00	586048	115.00	1365	147.00	1050
44.00	6914	76.00	48960	116.00	4557	148.00	2865
45.00	9868	77.00	5787	117.00	7698	149.00	1106
46.00	518	78.00	4340	118.00	4596	150.00	1397
47.00	13617	79.00	33136	119.00	5697	151.00	96
48.00	6720	80.00	9417	120.00	250	152.00	846
49.00	44064	81.00	35016	122.00	328	153.00	1277
50.00	211712	82.00	6778	123.00	445	154.00	666
51.00	65800	83.00	1103	124.00	919	155.00	3699
52.00	3242	86.00	1488	125.00	398	156.00	430
53.00	98	87.00	49696	126.00	415	157.00	2227
55.00	2995	88.00	47560	127.00	459	158.00	257
56.00	16384	91.00	3603	128.00	4246	159.00	1470
57.00	32016	92.00	34224	129.00	2611	160.00	211
58.00	1418	93.00	47664	130.00	4999	161.00	1501
59.00	105	94.00	141312	131.00	1908	172.00	154
60.00	9635	95.00	1279488	132.00	136	173.00	1978
61.00	51600	96.00	85552	134.00	281	174.00	1404928
62.00	50744	97.00	2514	135.00	1952	175.00	96504
63.00	37472	98.00	79	136.00	314	176.00	1377792
64.00	3507	100.00	82	137.00	2639	177.00	87696
65.00	215	103.00	154	138.00	77	178.00	2412
67.00	2518	104.00	5723	139.00	464		

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP10.i
Lab File ID: ICVHSL1105.D
Analysis Type: water
Lab Sample ID: ICVHSL1104
Method: \\terastation\share\VOAdata\HP10.I\110510.B\8260ALOW.M

Injection Date: 05-NOV-2010 09:14
Init. Cal. Date(s): 04-NOV-2010 04-NOV-2010
Init. Cal. Times: 12:03 14:39
Quant Type: ISTD

PD
110510

COMPOUND	RRF / AMOUNT	RF20	CCAL RRF20	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.26246	0.27777	0.27777	0.010	5.83071	40.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.29043	0.28662	0.28662	0.010	-1.31212	40.00000	Averaged	
$ 6 Toluene-d8	0.92734	0.99068	0.99068	0.010	6.82921	40.00000	Averaged	
$ 7 4-Bromofluorobenzene	0.43050	0.44108	0.44108	0.010	2.45915	40.00000	Averaged	
$ 136 Trifluorotoluene	0.50374	++++	0.00000	0.010	++++	40.00000	Averaged	<-
8 Dichlorodifluoromethane	0.22376	0.23638	0.23638	0.010	5.64306	40.00000	Averaged	
9 Chloromethane (**)	0.26120	0.24289	0.24289	0.100	-7.01098	40.00000	Averaged	
10 Vinyl Chloride (*)	0.26870	0.25567	0.25567	0.010	-4.85003	20.00000	Averaged	
11 Bromomethane	0.19001	0.17460	0.17460	0.010	-8.11007	40.00000	Averaged	
12 Chloroethane	0.16585	0.16042	0.16042	0.010	-3.27391	40.00000	Averaged	
13 Trichlorofluoromethane	0.32885	0.33781	0.33781	0.010	2.72462	40.00000	Averaged	
15 Trichlorotrifluoroethane	0.19864	0.22497	0.22497	0.010	13.25396	40.00000	Averaged	
17 1,1-Dichloroethene(*)	0.20178	0.18351	0.18351	0.010	-9.05410	20.00000	Averaged	
18 Acetone	0.15241	0.12734	0.12734	0.010	-16.45367	40.00000	Averaged	
21 Carbon disulfide	0.68728	0.73186	0.73186	0.010	6.48546	40.00000	Averaged	
31 Vinyl acetate	0.59198	0.52948	0.52948	0.010	-10.55762	40.00000	Averaged	
22 Methylene Chloride	0.25236	0.23441	0.23441	0.010	-7.11516	40.00000	Averaged	
23 t-Butanol	0.06947	0.05628	0.05628	0.001	-18.98856	40.00000	Averaged	
25 Methyl-t-butyl-ether	0.65171	0.67134	0.67134	0.010	3.01232	40.00000	Averaged	
26 trans-1,2-Dichloroethene	0.26441	0.23838	0.23838	0.010	-9.84643	40.00000	Averaged	
27 Acrylonitrile	0.15870	0.16646	0.16646	0.010	4.88760	40.00000	Averaged	
30 1,1-Dichloroethane (**)	0.41892	0.40350	0.40350	0.100	-3.68119	40.00000	Averaged	
33 2,2-Dichloropropane	0.29055	0.28650	0.28650	0.010	-1.39406	40.00000	Averaged	
35 cis 1,2-Dichloroethene	0.28059	0.27957	0.27957	0.010	-0.36395	40.00000	Averaged	
38 2-Butanone	0.26996	0.24987	0.24987	0.010	-7.44091	40.00000	Averaged	
40 Bromochloromethane	0.15560	0.15374	0.15374	0.010	-1.19952	40.00000	Averaged	
41 Chloroform (*)	0.41467	0.41940	0.41940	0.010	1.14112	20.00000	Averaged	
42 1,1,1-Trichloroethane	0.35264	0.34793	0.34793	0.010	-1.33454	40.00000	Averaged	
43 Carbon Tetrachloride	0.31261	0.31015	0.31015	0.010	-0.78522	40.00000	Averaged	
44 1,1-Dichloropropene	0.33088	0.32402	0.32402	0.010	-2.07159	40.00000	Averaged	
47 Benzene	1.01763	0.99247	0.99247	0.010	-2.47208	40.00000	Averaged	
48 1,2-Dichloroethane	0.33760	0.33709	0.33709	0.010	-0.15215	40.00000	Averaged	
49 Trichloroethene	0.26267	0.25576	0.25576	0.010	-2.63189	40.00000	Averaged	
51 1,2-Dichloropropane(*)	0.22717	0.23114	0.23114	0.010	1.74392	20.00000	Averaged	
52 Dibromomethane	0.16684	0.16467	0.16467	0.010	-1.29966	40.00000	Averaged	
53 1,4-Dioxane	500	373	0.00342	0.000	-25.30780	40.00000	Quadratic	
54 Bromodichloromethane	0.29625	0.30883	0.30883	0.010	4.24499	40.00000	Averaged	
55 2-Chloroethyl vinyl ether	0.16305	0.18161	0.18161	0.010	11.38849	40.00000	Averaged	
56 cis-1,3-Dichloropropene (xt	0.37635	0.37587	0.37587	0.010	-0.12846	40.00000	Averaged	
57 4-Methyl-2-pentanone	0.41663	0.44402	0.44402	0.010	6.57297	40.00000	Averaged	
58 Toluene (*)	0.65380	0.64647	0.64647	0.010	-1.12157	20.00000	Averaged	
60 trans-1,3-Dichloropropene(x	0.33920	0.35871	0.35871	0.010	5.75310	40.00000	Averaged	

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP10.i
Lab File ID: ICVHSL1105.D
Analysis Type: water
Lab Sample ID: ICVHSL1104
Method: \\terastation\share\VOAdata\HP10.I\110510.B\8260ALOW.M

Injection Date: 05-NOV-2010 09:14
Init. Cal. Date(s): 04-NOV-2010 04-NOV-2010
Init. Cal. Times: 12:03 14:39
Quant Type: ISTD

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF20	RRF20	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
61 1,1,2-Trichloroethane	0.24017	0.24379	0.24379	0.010	1.50934	40.00000	Averaged
62 Tetrachloroethene	0.40391	0.40999	0.40999	0.010	1.50489	40.00000	Averaged
63 1,3-Dichloropropane	0.49813	0.50976	0.50976	0.010	2.33506	40.00000	Averaged
64 2-Hexanone	0.38548	0.40789	0.40789	0.010	5.81283	40.00000	Averaged
65 Dibromochloromethane	0.30878	0.32148	0.32148	0.010	4.11349	40.00000	Averaged
66 1,2-Dibromoethane	0.31271	0.33110	0.33110	0.010	5.88043	40.00000	Averaged
67 1-Chlorohexane	0.41422	0.44393	0.44393	0.010	7.17452	40.00000	Averaged
68 Chlorobenzene (**)	0.85813	0.87404	0.87404	0.300	1.85334	40.00000	Averaged
69 Ethylbenzene (*)	0.44359	0.46587	0.46587	0.010	5.02119	20.00000	Averaged
70 1,1,1,2-Tetrachloroethane	0.29143	0.31454	0.31454	0.010	7.92869	40.00000	Averaged
71 Xylenes (m,p)	0.56199	0.59461	0.59461	0.010	5.80466	40.00000	Averaged
72 Xylene (o)	0.53583	0.56418	0.56418	0.010	5.29160	40.00000	Averaged
73 Styrene	0.90791	0.93876	0.93876	0.010	3.39819	40.00000	Averaged
74 Bromoform (**)	20.00000	19.92789	0.27074	0.100	-0.36054	40.00000	Quadratic
75 Isopropylbenzene	1.27241	1.44890	1.44890	0.010	13.87017	40.00000	Averaged
77 Bromobenzene	0.73265	0.73452	0.73452	0.010	0.25473	40.00000	Averaged
78 1,1,2,2-Tetrachloroethane(*	0.72093	0.74220	0.74220	0.300	2.95042	40.00000	Averaged
79 N-Propylbenzene	2.66536	2.76392	2.76392	0.010	3.69770	40.00000	Averaged
80 1,2,3-Trichloropropane	0.28865	0.29765	0.29765	0.010	3.11918	40.00000	Averaged
81 2-Chlorotoluene	1.62210	1.61720	1.61720	0.010	-0.30196	40.00000	Averaged
82 1,3,5-Trimethylbenzene	1.88883	1.98910	1.98910	0.010	5.30888	40.00000	Averaged
83 4-Chlorotoluene	1.85113	1.91366	1.91366	0.010	3.37815	40.00000	Averaged
84 T-Butylbenzene	1.78614	1.84727	1.84727	0.010	3.42259	40.00000	Averaged
85 1,2,4-Trimethylbenzene	1.91538	1.99932	1.99932	0.010	4.38237	40.00000	Averaged
86 Sec-Butylbenzene	2.48026	2.58191	2.58191	0.010	4.09839	40.00000	Averaged
87 1,3-Dichlorobenzene	1.25502	1.27565	1.27565	0.010	1.64381	40.00000	Averaged
88 P-Isopropyltoluene	2.13056	2.29182	2.29182	0.010	7.56886	40.00000	Averaged
89 1,4-Dichlorobenzene	1.32162	1.30249	1.30249	0.010	-1.44730	40.00000	Averaged
90 N-Butylbenzene	1.72708	1.82554	1.82554	0.010	5.70108	40.00000	Averaged
91 1,2-Dichlorobenzene	1.21337	1.21119	1.21119	0.010	-0.17975	40.00000	Averaged
92 1,2-Dibromo-3-chloropropane	20.00000	19.40886	0.13509	0.010	-2.95570	40.00000	Quadratic
93 1,2,4-Trichlorobenzene	20.00000	19.38158	0.81468	0.010	-3.09208	40.00000	Quadratic
94 Hexachlorobutadiene	0.46789	0.46716	0.46716	0.010	-0.15486	40.00000	Averaged
95 Naphthalene	20.00000	18.32254	1.98099	0.010	-8.38729	40.00000	Quadratic
96 1,2,3-Trichlorobenzene	20.00000	18.78128	0.68027	0.010	-6.09358	40.00000	Quadratic
M 97 1,2-Dichloroethene (Total)	0.27250	0.25897	0.25897	0.010	-4.96442	40.00000	Averaged
M 98 Xylenes (Total)	0.55327	0.58447	0.58447	0.010	5.63903	40.00000	Averaged

TestAmerica

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: HP10.i
Lab File ID: ICVHSL1105.D
Analysis Type: water
Lab Sample ID: ICVHSL1104
Method: \\terastation\share\VOAdata\HP10.I\110510.B\8260ALOW.M

Injection Date: 05-NOV-2010 09:14
Init. Cal. Date(s): 04-NOV-2010 04-NOV-2010
Init. Cal. Times: 12:03 14:39
Quant Type: ISTD

Average %D / Drift Results.	
Calculated Average %D/Drift =	4.87858
Maximun Average %D/Drift =	15.00000
* Passed Average %D/Drift Test.	

TestAmerica

Method 8260B

Data file : \\terastation\share\VOAdata\HP10.I\110510.B\ICVHSL1105.D
Lab Smp Id: ICVHSL1104
Inj Date : 05-NOV-2010 09:14
Operator : PD Inst ID: HP10.i
Smp Info : ICVHSL1104 ;PD;2;;5;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\terastation\share\VOAdata\HP10.I\110510.B\8260ALOW.M
Meth Date : 05-Nov-2010 09:36 dibbsrodri Quant Type: ISTD
Cal Date : 04-NOV-2010 14:39 Cal File: HSL110408.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000 PD
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14 110510
Processing Host: SACPC

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	799365	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	671451	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	393799	10.0000	
$ 4	Dibromofluoromethane	111	4.781	4.781	(0.878)	444072	20.0000	21.1661
$ 5	1,2-Dichloroethane-d4	65	5.067	5.067	(0.931)	458233	20.0000	19.7376
$ 6	Toluene-d8	98	6.722	6.722	(1.235)	1583822	20.0000	21.3658
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.137)	592333	20.0000	20.4918
$ 136	Trifluorotoluene	146	Compound Not Detected.					
8	Dichlorodifluoromethane	85	1.320	1.320	(0.242)	377913	20.0000	21.1286
9	Chloromethane (**)	50	1.460	1.460	(0.268)	388315	20.0000	18.5978
10	Vinyl Chloride (*)	62	1.563	1.563	(0.287)	408751	20.0000	19.0300
11	Bromomethane	94	1.886	1.886	(0.346)	279139	20.0000	18.3780
12	Chloroethane	64	1.989	1.989	(0.365)	256466	20.0000	19.3452
13	Trichlorofluoromethane	101	2.238	2.238	(0.411)	540071	20.0000	20.5449
15	Trichlorotrifluoroethane	101	2.768	2.768	(0.508)	359661	20.0000	22.6508
17	1,1-Dichloroethene(*)	96	2.743	2.743	(0.504)	293389	20.0000	18.1892
18	Acetone	43	2.810	2.810	(0.516)	203575	20.0000	16.7093
21	Carbon disulfide	76	2.932	2.932	(0.539)	1170043	20.0000	21.2971
31	Vinyl acetate	43	3.905	3.905	(0.717)	846492	20.0000	17.8885
22	Methylene Chloride	84	3.212	3.212	(0.590)	374754	20.0000	18.5770
23	t-Butanol	59	3.346	3.346	(0.615)	2249227	500.000	405.057(M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
25 Methyl-t-butyl-ether	73	3.467	3.467	(0.637)	1073298	20.0000	20.6025
26 trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	381100	20.0000	18.0307
27 Acrylonitrile	53	3.449	3.449	(0.634)	2661220	200.000	209.775
30 1,1-Dichloroethane (**)	63	3.844	3.844	(0.706)	645088	20.0000	19.2638
33 2,2-Dichloropropane	77	4.355	4.355	(0.800)	458033	20.0000	19.7212
35 cis 1,2-Dichloroethene	96	4.362	4.362	(0.801)	446960	20.0000	19.9272
38 2-Butanone	43	4.380	4.380	(0.804)	399475	20.0000	18.5118
40 Bromochloromethane	128	4.568	4.568	(0.839)	245782	20.0000	19.7601
41 Chloroform (*)	83	4.641	4.641	(0.853)	670511	20.0000	20.2282
42 1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	556249	20.0000	19.7331
43 Carbon Tetrachloride	117	4.933	4.933	(0.906)	495848	20.0000	19.8430
44 1,1-Dichloropropene	75	4.933	4.933	(0.906)	518022	20.0000	19.5857
47 Benzene	78	5.110	5.110	(0.939)	1586692	20.0000	19.5056
48 1,2-Dichloroethane	62	5.134	5.134	(0.943)	538910	20.0000	19.9696
49 Trichloroethene	95	5.663	5.663	(1.040)	408887	20.0000	19.4736
51 1,2-Dichloropropane(*)	63	5.864	5.864	(1.077)	369523	20.0000	20.3488
52 Dibromomethane	93	5.962	5.962	(1.095)	263270	20.0000	19.7401
53 1,4-Dioxane	88	5.980	5.980	(1.098)	136727	500.000	373.461
54 Bromodichloromethane	83	6.101	6.101	(1.121)	493734	20.0000	20.8490
55 2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	290353	20.0000	22.2777
56 cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	600908	20.0000	19.9743
57 4-Methyl-2-pentanone	43	6.625	6.625	(1.217)	709865	20.0000	21.3146
58 Toluene (*)	92	6.783	6.783	(1.246)	1033523	20.0000	19.7757
60 trans-1,3-Dichloropropene(xt)	75	6.984	6.984	(1.283)	573481	20.0000	21.1506
61 1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	389758	20.0000	20.3019
62 Tetrachloroethene	166	7.269	7.269	(0.905)	550573	20.0000	20.3010
63 1,3-Dichloropropane	76	7.300	7.300	(0.909)	684557	20.0000	20.4670
64 2-Hexanone	43	7.373	7.373	(0.918)	547757	20.0000	21.1626
65 Dibromochloromethane	129	7.501	7.501	(0.934)	431713	20.0000	20.8227
66 1,2-Dibromoethane	107	7.604	7.604	(0.947)	444629	20.0000	21.1761
67 1-Chlorohexane	91	8.030	8.030	(1.000)	596159	20.0000	21.4349
68 Chlorobenzene (**)	112	8.054	8.054	(1.003)	1173744	20.0000	20.3707
69 Ethylbenzene (*)	106	8.152	8.152	(1.015)	625614	20.0000	21.0042
70 1,1,1,2-Tetrachloroethane	131	8.127	8.127	(1.012)	422394	20.0000	21.5857
71 Xylenes (m,p)	106	8.261	8.261	(1.029)	1597013	40.0000	42.3219
72 Xylene (o)	106	8.632	8.632	(1.075)	757640	20.0000	21.0583
73 Styrene	104	8.650	8.650	(1.077)	1260669	20.0000	20.6796
74 Bromoform (**)	173	8.827	8.827	(1.099)	363580	20.0000	19.9279
75 Isopropylbenzene	105	8.985	8.985	(1.119)	1945730	20.0000	22.7740
77 Bromobenzene	156	9.277	9.277	(0.905)	578506	20.0000	20.0509
78 1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	584552	20.0000	20.5901
79 N-Propylbenzene	91	9.380	9.380	(0.915)	2176858	20.0000	20.7395
80 1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	234429	20.0000	20.6238
81 2-Chlorotoluene	91	9.460	9.460	(0.923)	1273703	20.0000	19.9396
82 1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	1566612	20.0000	21.0618
83 4-Chlorotoluene	91	9.563	9.563	(0.933)	1507194	20.0000	20.6756
84 T-Butylbenzene	119	9.867	9.867	(0.963)	1454909	20.0000	20.6845
85 1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	1574657	20.0000	20.8765
86 Sec-Butylbenzene	105	10.080	10.080	(0.983)	2033510	20.0000	20.8197
87 1,3-Dichlorobenzene	146	10.184	10.184	(0.993)	1004696	20.0000	20.3288
88 P-Isopropyltoluene	119	10.220	10.220	(0.997)	1805030	20.0000	21.5138
89 1,4-Dichlorobenzene	146	10.269	10.269	(1.002)	1025839	20.0000	19.7105
90 N-Butylbenzene	91	10.622	10.622	(1.036)	1437794	20.0000	21.1402
91 1,2-Dichlorobenzene	146	10.640	10.640	(1.038)	953933	20.0000	19.9640

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	106393	20.0000	19.4089
	93 1,2,4-Trichlorobenzene	180	12.228	12.228	(1.193)	641642	20.0000	19.3816
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	367936	20.0000	19.9690
	95 Naphthalene	128	12.471	12.471	(1.217)	1560224	20.0000	18.3225
	96 1,2,3-Trichlorobenzene	180	12.714	12.714	(1.240)	535776	20.0000	18.7813
M	97 1,2-Dichloroethene (Total)	96				828060	40.0000	37.9579
M	98 Xylenes (Total)	106				2354653	60.0000	63.3802

QC Flag Legend

M - Compound response manually integrated.

TestAmerica West Sacramento

Method 8260B

Data file : \\terastation\share\voadata\HP10.I\110510.B\ICVHSL1105.D
Lab Smp Id: ICVHSL1104
Inj Date : 05-NOV-2010 09:14
Operator : PD Inst ID: HP10.i
Smp Info : ICVHSL1104 ;PD;2;;5;;1
Misc Info : 1;water;0;1_8260.sub;;0;5
Comment : SOP NO. WS-MS-0007 rev. 4.0
Method : \\Terastation\share\VOAData\HP10.I\110510.b\8260ALOW.m
Meth Date : 05-Nov-2010 09:32 tap Quant Type: ISTD
Cal Date : 04-NOV-2010 14:39 Cal File: HSL110408.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1_8260.sub
Target Version: 4.14
Processing Host: SACPHP10

Concentration Formula: Amt * DF * X*Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
X	5.000	Method Volume purged
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 1	1,4-Difluorobenzene	114	5.444	5.444	(1.000)	799365	10.0000	
* 2	Chlorobenzene-d5	117	8.030	8.030	(1.000)	671451	10.0000	
* 3	1,4 Dichlorobenzene-d4	152	10.250	10.250	(1.000)	393799	10.0000	
$ 4	Dibromofluoromethane	111	4.781	4.781	(0.878)	444072	20.0000	21.1661
$ 5	1,2-Dichloroethane-d4	65	5.067	5.067	(0.931)	458233	20.0000	19.7376
$ 6	Toluene-d8	98	6.722	6.722	(1.235)	1583822	20.0000	21.3658
$ 7	4-Bromofluorobenzene	95	9.131	9.131	(1.137)	592333	20.0000	20.4918
$ 136	Trifluorotoluene	146	Compound Not Detected.					
8	Dichlorodifluoromethane	85	1.320	1.320	(0.242)	377913	20.0000	21.1286
9	Chloromethane (**)	50	1.460	1.460	(0.268)	388315	20.0000	18.5978
10	Vinyl Chloride (*)	62	1.563	1.563	(0.287)	408751	20.0000	19.0300
11	Bromomethane	94	1.886	1.886	(0.346)	279139	20.0000	18.3780
12	Chloroethane	64	1.989	1.989	(0.365)	256466	20.0000	19.3452
13	Trichlorofluoromethane	101	2.238	2.238	(0.411)	540071	20.0000	20.5449
15	Trichlorotrifluoroethane	101	2.768	2.768	(0.508)	359661	20.0000	22.6508
17	1,1-Dichloroethene(*)	96	2.743	2.743	(0.504)	293389	20.0000	18.1892
18	Acetone	43	2.810	2.810	(0.516)	203575	20.0000	16.7093
21	Carbon disulfide	76	2.932	2.932	(0.539)	1170043	20.0000	21.2971
31	Vinyl acetate	43	3.905	3.905	(0.717)	846492	20.0000	17.8885
22	Methylene Chloride	84	3.212	3.212	(0.590)	374754	20.0000	18.5770
23	t-Butanol	59	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
25 Methyl-t-butyl-ether	73	3.467	3.467	(0.637)	1073298	20.0000	20.6025
26 trans-1,2-Dichloroethene	96	3.461	3.461	(0.636)	381100	20.0000	18.0307
27 Acrylonitrile	53	3.449	3.449	(0.634)	2661220	200.000	209.775
30 1,1-Dichloroethane (**)	63	3.844	3.844	(0.706)	645088	20.0000	19.2638
33 2,2-Dichloropropane	77	4.355	4.355	(0.800)	458033	20.0000	19.7212
35 cis 1,2-Dichloroethene	96	4.362	4.362	(0.801)	446960	20.0000	19.9272
38 2-Butanone	43	4.380	4.380	(0.804)	399475	20.0000	18.5118
40 Bromochloromethane	128	4.568	4.568	(0.839)	245782	20.0000	19.7601
41 Chloroform (*)	83	4.641	4.641	(0.853)	670511	20.0000	20.2282
42 1,1,1-Trichloroethane	97	4.787	4.787	(0.879)	556249	20.0000	19.7331
43 Carbon Tetrachloride	117	4.933	4.933	(0.906)	495848	20.0000	19.8430
44 1,1-Dichloropropene	75	4.933	4.933	(0.906)	518022	20.0000	19.5857
47 Benzene	78	5.110	5.110	(0.939)	1586692	20.0000	19.5056
48 1,2-Dichloroethane	62	5.134	5.134	(0.943)	538910	20.0000	19.9696
49 Trichloroethene	95	5.663	5.663	(1.040)	408887	20.0000	19.4736
51 1,2-Dichloropropane(*)	63	5.864	5.864	(1.077)	369523	20.0000	20.3488
52 Dibromomethane	93	5.962	5.962	(1.095)	263270	20.0000	19.7401
53 1,4-Dioxane	88	5.980	5.980	(1.098)	136727	500.000	356.119
54 Bromodichloromethane	83	6.101	6.101	(1.121)	493734	20.0000	20.8490
55 2-Chloroethyl vinyl ether	63	6.363	6.363	(1.169)	290353	20.0000	22.2777
56 cis-1,3-Dichloropropene (xtr)	75	6.491	6.491	(1.192)	600908	20.0000	19.9743
57 4-Methyl-2-pentanone	43	6.625	6.625	(1.217)	709865	20.0000	21.3146
58 Toluene (*)	92	6.783	6.783	(1.246)	1033523	20.0000	19.7757
60 trans-1,3-Dichloropropene(xt)	75	6.984	6.984	(1.283)	573481	20.0000	21.1506
61 1,1,2-Trichloroethane	97	7.148	7.148	(1.313)	389758	20.0000	20.3019
62 Tetrachloroethene	166	7.269	7.269	(0.905)	550573	20.0000	20.3010
63 1,3-Dichloropropane	76	7.300	7.300	(0.909)	684557	20.0000	20.4670
64 2-Hexanone	43	7.373	7.373	(0.918)	547757	20.0000	21.1626
65 Dibromochloromethane	129	7.501	7.501	(0.934)	431713	20.0000	20.8227
66 1,2-Dibromoethane	107	7.604	7.604	(0.947)	444629	20.0000	21.1761
67 1-Chlorohexane	91	8.030	8.030	(1.000)	596159	20.0000	21.4349
68 Chlorobenzene (**)	112	8.054	8.054	(1.003)	1173744	20.0000	20.3707
69 Ethylbenzene (*)	106	8.152	8.152	(1.015)	625614	20.0000	21.0042
70 1,1,1,2-Tetrachloroethane	131	8.127	8.127	(1.012)	422394	20.0000	21.5857
71 Xylenes (m,p)	106	8.261	8.261	(1.029)	1597013	40.0000	42.3219
72 Xylene (o)	106	8.632	8.632	(1.075)	757640	20.0000	21.0583
73 Styrene	104	8.650	8.650	(1.077)	1260669	20.0000	20.6796
74 Bromoform (**)	173	8.827	8.827	(1.099)	363580	20.0000	19.9279
75 Isopropylbenzene	105	8.985	8.985	(1.119)	1945730	20.0000	22.7740
77 Bromobenzene	156	9.277	9.277	(0.905)	578506	20.0000	20.0509
78 1,1,2,2-Tetrachloroethane(**)	83	9.277	9.277	(0.905)	584552	20.0000	20.5901
79 N-Propylbenzene	91	9.380	9.380	(0.915)	2176858	20.0000	20.7395
80 1,2,3-Trichloropropane	110	9.320	9.320	(0.909)	234429	20.0000	20.6238
81 2-Chlorotoluene	91	9.460	9.460	(0.923)	1273703	20.0000	19.9396
82 1,3,5-Trimethylbenzene	105	9.551	9.551	(0.932)	1566612	20.0000	21.0618
83 4-Chlorotoluene	91	9.563	9.563	(0.933)	1507194	20.0000	20.6756
84 T-Butylbenzene	119	9.867	9.867	(0.963)	1454909	20.0000	20.6845
85 1,2,4-Trimethylbenzene	105	9.910	9.910	(0.967)	1574657	20.0000	20.8765
86 Sec-Butylbenzene	105	10.080	10.080	(0.983)	2033510	20.0000	20.8197
87 1,3-Dichlorobenzene	146	10.184	10.184	(0.993)	1004696	20.0000	20.3288
88 P-Isopropyltoluene	119	10.220	10.220	(0.997)	1805030	20.0000	21.5138
89 1,4-Dichlorobenzene	146	10.269	10.269	(1.002)	1025839	20.0000	19.7105
90 N-Butylbenzene	91	10.622	10.622	(1.036)	1437794	20.0000	21.1402
91 1,2-Dichlorobenzene	146	10.640	10.640	(1.038)	953933	20.0000	19.9640

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	92 1,2-Dibromo-3-chloropropane	75	11.406	11.406	(1.113)	106393	20.0000	19.4089
	93 1,2,4-Trichlorobenzene	180	12.228	12.228	(1.193)	641642	20.0000	19.3816
	94 Hexachlorobutadiene	225	12.398	12.398	(1.209)	367936	20.0000	19.9690
	95 Naphthalene	128	12.471	12.471	(1.217)	1560224	20.0000	18.3225
	96 1,2,3-Trichlorobenzene	180	12.714	12.714	(1.240)	535776	20.0000	18.7813
M	97 1,2-Dichloroethene (Total)	96				828060	40.0000	37.9579
M	98 Xylenes (Total)	106				2354653	60.0000	63.3802

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: HP10.i
Lab File ID: ICVHSL1105.D
Lab Smp Id: ICVHSL1104
Analysis Type: VOA
Quant Type: ISTD
Operator: PD
Method File: \\Terastation\share\VOAData\HP10.I\110510.b\8260ALOW.m
Misc Info: 1;water;0;1_8260.sub;;0;5

Calibration Date: 05-NOV-2010
Calibration Time: 08:52

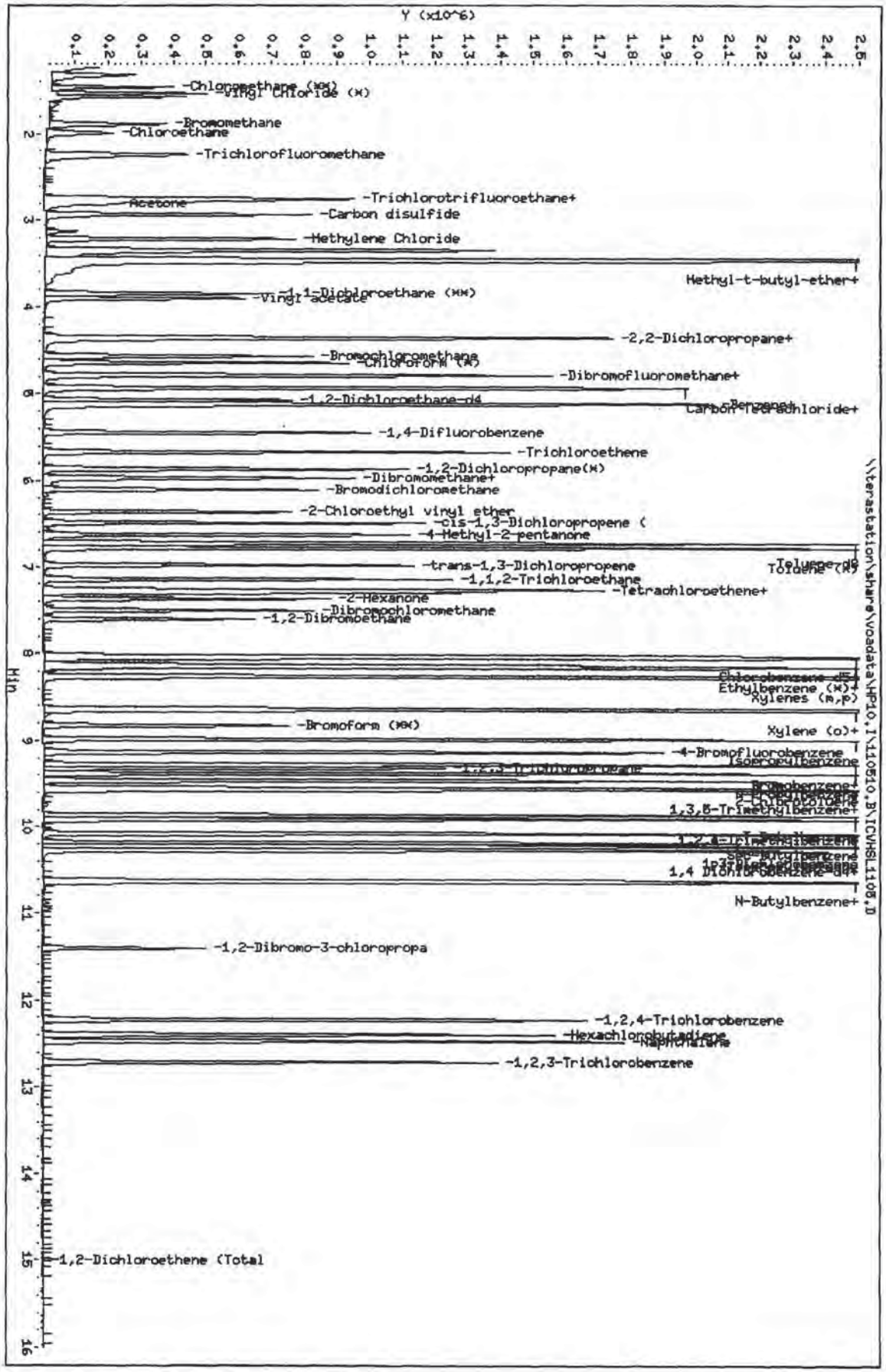
Level: LOW
Sample Type: water

Test Mode:
Use Initial Calibration Level 5.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	850418	425209	1700836	799365	-6.00
2 Chlorobenzene-d5	706704	353352	1413408	671451	-4.99
3 1,4 Dichlorobenze	409715	204858	819430	393799	-3.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Difluorobenze	5.44	4.94	5.94	5.44	0.00
2 Chlorobenzene-d5	8.03	7.53	8.53	8.03	0.00
3 1,4 Dichlorobenze	10.25	9.75	10.75	10.25	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: \\terastation\share\voadata\HP10_I\110510_B\ICVHSL1105.D
Date : 05-NOV-2010 09:14
Client ID:
Sample Info: ICVHSL1104 ;PD;2;15;1
Purge Volume: 5.0
Column phase:
Instrument: HP10.i
Operator: PD
Column diameter: 0.53
Page 6
Y (x10^6)
Min
\\terastation\share\voadata\HP10_I\110510_B\ICVHSL1105.D
-Chloromethane (**)
-Vinyl Chloride (*)
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Trichlorotrifluoroethane+
Acetone
-Carbon disulfide
-Methylene Chloride
Methyl-t-butyl-ether+
-1,1-Dichloroethane (**)
-Vinyl acetate
-2,2-Dichloropropane+
-Bromochloromethane
-Chloroform (*)
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Benzene+
Carbon tetrachloride+
-1,4-Difluorobenzene
-Trichloroethene
-1,2-Dichloropropane(*)
-Dibromomethane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene (
-4-Methyl-2-pentanone
Toluene-d8
Toluene (*)
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene (*)+
Xylenes (m,p)
Xylene (o)+
-Bromoform (**)
-4-Bromofluorobenzene
Isopropylbenzene
1,3,5-Trimethylbenzene+
1,4 Dichlorobenzene-d4+
N-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-1,2,3-Trichlorobenzene
1,2-Dichloroethene (Total

Sample Extraction/Preparation Log Copies and Checklists

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/24/10
Time: 10:48:45

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGrou
_ Bench Sheet Copied per COC

Extractionist: _____
_____
Concentrationist: _____
_____

QC BATCH: 0328196

PREP DATE: 11/23/10 10:14
COMP DATE: 11/23/10 10:14

Reviewer/Date: _____ / 0/00/00

Volatile Organics, GC/MS (8260B)
PURGE AND TRAP - 25 mL purge (Waters)

EXTR EXPR	ANL DUE	LOT#,MSRUN# / WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJI	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	12/06/10	G0K170576-003 **L97KW-1-AA**	D	25	QK	WATER	**5.00mL** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	11/29/10	G0K200425-013 MAC6D-1-AA	DR	25	QK	WATER	**5.00mL** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	G0K240000-196 **MAH39-1-AAB**		25	QK	WATER	**5.00mL** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	G0K240000-196 **MAH39-1-ACC**		25	QK	WATER	**5.00mL** 5.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 4

TestAmerica West Sacramento

GC/MS Data Review Checklist

Lot ID: G0K200425 **Method ID:** Volatile Organics, GC/MS (8260B)

Samples: 13

NCM: (Y) N

A. Calibration/Instrument Run QC	Analyst	Reviewer	N/A
1. ICAL or ICAL Summary and CCV included.	✓	✓	
2. ICAL, CCV Criteria met.	✓	✓	
3. Peaks correctly ID'd by data system.	✓	✓	
4. Copy of logbook for ICAL included	✓	✓	
5. Tune criteria (including tailing factor and breakdown) met and copy included.	✓	✓	
6. Method Number is identified on data.	✓	✓	
B. QA/QC		✓	
1. Method blank, LCS/LCSD and MS/SD frequencies met.	✓	✓	
2. LCS/LCSD and MB data is included.	✓	✓	
3. LCS/LCSD and MB data are within control limits. If not, NCM is present in Clouseau.	✓	✓	
4. MS/MSD data complete.	NA		✓
5. Holding Times were met.	✓	✓	
6. All samples within tune time.	✓	✓	
C. Sample Analysis		✓	
1. Logbook copies for all injections made, including ICV standards and ICAL.	✓	✓	
2. Logbooks/prep sheets properly filled out.	✓		
3. Manual Integrations reviewed and appropriate.	NA		✓
4. All raw data for samples is included (applies to unused data as well)	✓	✓	
5. All analytes correctly reported.	✓	✓	
6. Correct reporting limits used. (based on client request, prep factors, and dilutions)	✓	✓	
7. Spectra present for all positives.	✓	✓	
D. Documentation		✓	
1. Are all nonconformances documented appropriately?	✓	✓	
2. Quantims entry correct, including dates and times.	✓	✓	
3. Appropriate footnotes used.	✓	✓	
4. Report sheets included and error-free.	✓	✓	

Analyst: DEM Date: 11/24/10

2nd Level Reviewer: [signature] Date: 11/24/10

Comments: _____

SOLID, 8270C, Semivolatile Organics

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

lcs

ms/sd

sample raw data

ms tune data

TestAmerica West Sacramento Page# _____

GC/MS INSTRUMENT LOG
SEMI-VOLATILES

Method Key (MTH Column)
QL = EPA 8270C (WS-MS-0005)
JZ = EPA TO-13A (WS-MS-0005)
VX = EPA 8270C-SIM (mod) CWM (WS-MS-0003)
QI = EPA 8270C-SIM (WS-MS-0008)
FX = PAH-SIM Isotope Dilution (WS-MS-0006)
F9 = EPA 8270C-SIM (mod) 1,4-Dioxane (WS-MS-0011)

Inst ID : sv5.i
Batch ID : 112110.B
ICAL Date: See Calib Report
See raw data for standard IDs

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
21-NOV-2010	11:07	KT	PRIMER	QC001.D	NA	NA	NA		
21-NOV-2010	11:29	KT	DFTPP 50ug/ml	DFT1121.D	NA	NA	NA		
21-NOV-2010	11:50	KT	HSL_050 ug/ml CS-4	HSL1121.D	NA	NA	NA		
21-NOV-2010	12:15	KT	AP9_050 ug/ml CS-4	AP91121.D	NA	NA	NA		
21-NOV-2010	12:49	KT	MAC761AA G0K20000-068B	S112101.D	30 g	1 mL	1	QL	
21-NOV-2010	13:14	KT	MAC761AC G0K20000-068C	S112102.D	30 g	1 mL	1	QL	
21-NOV-2010	13:39	KT	L90DG1AA G0K120000-222B	S112103.D	30 g	1 mL	1	QL	
21-NOV-2010	14:04	KT	L90DG1AC G0K120000-222C	S112104.D	30 g	1 mL	1	QL	
21-NOV-2010	14:29	KT	L90DG1AD G0K120000-222L	S112105.D	30 g	1 mL	1	QL	
21-NOV-2010	14:54	KT	L9ERT1AA G0K020000-162B	S112106.D	1000 mL	1 mL	1	QL	Low Level. Conf.
21-NOV-2010	15:19	KT	L9ERT1AC G0K020000-162C	S112107.D	1000 mL	1 mL	1	QL	Low Level Conf.
21-NOV-2010	15:44	KT	L90V61AA G0K120505-1 5x	S112108.D	1000 Sa	1 mL	5	JZ	
21-NOV-2010	16:09	KT	MAC5P1AC G0K200425-6	S112109.D	31.35 g	1 mL	1	QL	
21-NOV-2010	16:34	KT	MAC5P1AE G0K200425-6S	S112110.D	29.46 g	1 mL	1	QL	
21-NOV-2010	16:59	KT	MAC5P1AF G0K200425-6D	S112111.D	30.71 g	1 mL	1	QL	
21-NOV-2010	17:25	KT	L9JPM1AA G0K040449-1	S112112.D	29.97 g	1 mL	1	QL	
21-NOV-2010	17:50	KT	L9JP01AF G0K040449-3	S112113.D	30 g	1 mL	1	QL	
21-NOV-2010	18:15	KT	L9L5F1AA G0K050467-1	S112114.D	29.97 g	1 mL	1	QL	
21-NOV-2010	18:40	KT	L9L5K1AF G0K050467-3	S112115.D	30.02 g	1 mL	1	QL	
21-NOV-2010	19:05	KT	L9L5M1AF G0K050467-5	S112116.D	29.95 g	1 mL	1	QL	
21-NOV-2010	19:30	KT	L9L5V1AF G0K050467-7	S112117.D	30.02 g	1 mL	1	QL	
21-NOV-2010	19:55	KT	L9NJR1AA G0K060474-1	S112118.D	30 g	1 mL	1	QL	
21-NOV-2010	20:20	KT	L9NJV1AF G0K060474-3	S112119.D	29.94 g	1 mL	1	QL	
21-NOV-2010	20:45	KT	L880W1CC G0J280529-7	S112120.D	995.23 mL	1 mL	1	QL	Low Level. Conf.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8270C CCV Checklist

Instrument: SV5

ICAL Date: 10/02/10 DFTPP ID: DFT1121

Initiator/Date: KT-11/21/10 Standard ID: HSL1121

Reviewer/Date: 11/21/10 NCM #:

I: 8270C Criteria

	Initiated	Reviewed
Log Book page included.	☒	☑
CCV compared to correct ICAL.	☒	☑
Tune documentation is present and meets criteria.	☒	☑
Manual re-integrations are checked, initialed and hardcopies included.	☒	☑
Retention time correct for Isomers and all other analytes.	☒	☑
CCV Internal Standards are within 50-200% of ICAL mid-point.	☒	☑
Samples analyzed within 12 hours of Tune time.	☒	☑
Tailing and degradation criteria are met.	☒	☑
Spot check manual integrations in Target. Analyte checked: N-Nitrosodimethylamine	NA	☑
Non-CCC ≤ 50% D	☒	☑

II: 8270C SPCC Check SPCC RRFs must be greater than 0.050

	Initiated	Reviewed		Initiated	Reviewed
N-nitroso-di-n-propylamine	☒	☑	2,4-Dinitrophenol	☒	☐
Hexachlorocyclopentadiene	☒	☑	4-Nitrophenol	☒	☑

III: 8270C CCC Check CCC must be ≤ 20%D (If CCC are not targets, all analytes must be <20%D.)

	Initiated	Reviewed		Initiated	Reviewed
Phenol	☒	☑	Acenaphthene	☒	☑
1,4-Dichlorobenzene	☒	☑	N-nitrosodiphenylamine	☒	☑
2-Nitrophenol	☒	☑	Pentachlorophenol	☒	☑
2,4-Dinitrophenol	☒	☑	Flouranthene	☒	☑
Hexachlorobutadiene	☒	☑	Di-n-octyl phthalate	☒	☑
4-Chloro-3-methylphenol	☒	☑	Benzo(a)pyrene	☒	☑
2,4,6-Trichlorophenol	☒	☑			

IV: AFCEE 3.1 and 4.0 QAPP Criteria

	Initiated	Reviewed
All analytes in CCV +/- 20%D compared to ICAL.	☒	☑
CCV and Sample Internal Standards are within 50-200% of ICAL mid-point.	☒	☑
Are the compounds which required manual integrations documented in the MI spreadsheet?	☒	☑

V: DOD QSM V3 Criteria

	Initiated	Reviewed
For 8270, CCCs must be ≤ 20% D.	☒	☑
RRFs for SPCCs must meet minimum response factor criteria	☒	☑
CCV and sample Internal Standards are within 50-200% of ICAL mid-point.	☒	☑
SIM: All analytes must be ≤ 20%	☐NA	~~☑~~
Are the compounds which required manual integrations documented in the MI spreadsheet?	☒	☑

Notes: Benzo(k)fluoranthene (+24%D) high and ND is OK.

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 21-NOV-2010 11:50
Lab File ID: HSL1121.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\SV5\C\chem\sv5.i\112110.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.40992	1.37098	1.37098	0.010	-2.76218	50.00000	Averaged
$ 8 Phenol-d5	1.77296	1.79032	1.79032	0.010	0.97885	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.55698	1.54157	1.54157	0.010	-0.98973	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.98513	0.99167	0.99167	0.010	0.66456	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.33879	0.34705	0.34705	0.010	2.43579	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.28852	1.25608	1.25608	0.010	-2.51822	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.17381	0.18633	0.18633	0.010	7.19954	50.00000	Averaged
$ 14 Terphenyl-d14	0.78789	0.79377	0.79377	0.010	0.74622	50.00000	Averaged
15 N-Nitrosodimethylamine	0.92154	0.86433	0.86433	0.010	-6.20843	50.00000	Averaged
16 Pyridine	1.54111	1.25392	1.25392	0.010	-18.63505	50.00000	Averaged
23 Aniline	2.25673	2.21415	2.21415	0.010	-1.88670	50.00000	Averaged
24 Phenol	2.03729	2.01002	2.01002	0.010	-1.33836	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.42859	1.43134	1.43134	0.010	0.19206	50.00000	Averaged
27 2-Chlorophenol	1.56381	1.56828	1.56828	0.010	0.28563	50.00000	Averaged
28 1,3-Dichlorobenzene	1.70337	1.69718	1.69718	0.010	-0.36340	50.00000	Averaged
29 1,4-Dichlorobenzene	1.78118	1.76012	1.76012	0.010	-1.18256	20.00000	Averaged
30 Benzyl Alcohol	1.05101	1.06707	1.06707	0.010	1.52751	50.00000	Averaged
31 1,2-Dichlorobenzene	1.63746	1.62852	1.62852	0.010	-0.54644	50.00000	Averaged
32 2-Methylphenol	1.43012	1.45107	1.45107	0.010	1.46455	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	2.27365	2.27860	2.27860	0.010	0.21752	50.00000	Averaged
34 4-Methylphenol	1.51904	1.49318	1.49318	0.010	-1.70222	50.00000	Averaged
36 Hexachloroethane	0.60636	0.62353	0.62353	0.010	2.83079	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.01180	1.02609	1.02609	0.050	1.41249	50.00000	Averaged
42 Nitrobenzene	0.33116	0.33670	0.33670	0.010	1.67306	50.00000	Averaged
44 Isophorone	0.63679	0.66316	0.66316	0.010	4.14108	50.00000	Averaged
45 2-Nitrophenol	0.19648	0.20705	0.20705	0.010	5.38056	20.00000	Averaged
46 2,4-Dimethyphenol	0.34911	0.34523	0.34523	0.010	-1.11268	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.38908	0.37782	0.37782	0.010	-2.89431	50.00000	Averaged
49 2,4-Dichlorophenol	0.27010	0.27161	0.27161	0.010	0.55745	20.00000	Averaged
50 Benzoic Acid	0.19324	0.20877	0.20877	0.010	8.03607	50.00000	Averaged
51 1,2,4-Trichlorobenzene	0.29246	0.28981	0.28981	0.010	-0.90377	50.00000	Averaged
52 Naphthalene	1.10443	1.06446	1.06446	0.010	-3.61883	50.00000	Averaged
54 4-Chloroaniline	0.43288	0.43731	0.43731	0.010	1.02435	50.00000	Averaged
57 Hexachlorobutadiene	0.14313	0.14337	0.14337	0.010	0.16952	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30164	0.31728	0.31728	0.010	5.18729	20.00000	Averaged
63 2-Methylnaphthalene	0.69378	0.67080	0.67080	0.010	-3.31107	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.29846	0.27433	0.27433	0.050	-8.08407	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.31913	0.33216	0.33216	0.010	4.08323	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.34380	0.35029	0.35029	0.010	1.88607	50.00000	Averaged
71 2-Chloronaphthalene	1.12571	1.13597	1.13597	0.010	0.91104	50.00000	Averaged
73 2-Nitroaniline	0.34119	0.36334	0.36334	0.010	6.49272	50.00000	Averaged
76 Dimethylphthalate	1.29606	1.33858	1.33858	0.010	3.28020	50.00000	Averaged

Manual calculation for N-Nitrosodimethylamine:

$\frac{172493}{159655} \times \frac{40}{50} = 0.86433$ RY 11/24/10

11/21/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 21-NOV-2010 11:50
Lab File ID: HSL1121.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\SV5\C\chem\sv5.i\112110.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.96037	1.98112	1.98112	0.010	1.05845	50.00000	Averaged
79 2,6-Dinitrotoluene	0.30197	0.31129	0.31129	0.010	3.08809	50.00000	Averaged
80 3-Nitroaniline	0.37691	0.38489	0.38489	0.010	2.11885	50.00000	Averaged
81 Acenaphthene	1.24787	1.24213	1.24213	0.010	-0.45980	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	55.00308	0.19723	0.050	10.00616	0.000e+000	Quadratic
83 Dibenzofuran	1.65612	1.63155	1.63155	0.010	-1.48389	50.00000	Averaged
84 4-Nitrophenol	0.15634	0.17048	0.17048	0.050	9.04633	50.00000	Averaged
86 2,4-Dinitrotoluene	0.39633	0.39621	0.39621	0.010	-0.03109	50.00000	Averaged
91 Fluorene	1.37139	1.36724	1.36724	0.010	-0.30318	50.00000	Averaged
92 Diethylphthalate	1.32699	1.35636	1.35636	0.010	2.21325	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.57019	0.56937	0.56937	0.010	-0.14448	50.00000	Averaged
94 4-Nitroaniline	0.37361	0.40087	0.40087	0.010	7.29469	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	50.42712	0.14363	0.010	0.85423	0.000e+000	Linear
98 N-Nitrosodiphenylamine	0.60628	0.60918	0.60918	0.010	0.47815	20.00000	Averaged
100 Azobenzene	0.78660	0.76580	0.76580	0.010	-2.64443	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19527	0.20570	0.20570	0.010	5.34515	50.00000	Averaged
108 Hexachlorobenzene	0.21807	0.21550	0.21550	0.010	-1.17879	50.00000	Averaged
110 Pentachlorophenol	50.00000	50.60524	0.13184	0.010	1.21048	0.000e+000	Linear
114 Phenanthrene	1.26074	1.20856	1.20856	0.010	-4.13943	50.00000	Averaged
115 Anthracene	1.25955	1.27055	1.27055	0.010	0.87351	50.00000	Averaged
118 Carbazole	1.15061	1.15952	1.15952	0.010	0.77450	50.00000	Averaged
120 Di-n-Butylphthalate	1.38442	1.43589	1.43589	0.010	3.71777	50.00000	Averaged
126 Fluoranthene	1.12969	1.12744	1.12744	0.010	-0.19895	20.00000	Averaged
127 Benzidine	0.81067	0.87130	0.87130	0.010	7.47910	50.00000	Averaged
128 Pyrene	1.25025	1.24410	1.24410	0.010	-0.49208	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71564	0.74669	0.74669	0.010	4.33969	50.00000	Averaged
136 Butylbenzylphthalate	0.62663	0.65926	0.65926	0.010	5.20625	50.00000	Averaged
138 Benzo(a)Anthracene	1.06548	1.10836	1.10836	0.010	4.02485	50.00000	Averaged
139 Chrysene	1.08994	1.06556	1.06556	0.010	-2.23629	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40189	0.41410	0.41410	0.010	3.03811	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.86316	0.90747	0.90747	0.010	5.13347	50.00000	Averaged
142 Di-n-octylphthalate	1.37975	1.57327	1.57327	0.010	14.02574	20.00000	Averaged
144 Benzo(b)fluoranthene	0.90549	1.00455	1.00455	0.010	10.94022	50.00000	Averaged
145 Benzo(k)fluoranthene	1.16236	1.11364	1.11364	0.010	-4.19174	50.00000	Averaged
147 Benzo(e)pyrene	0.94425	0.97462	0.97462	0.010	3.21671	50.00000	Averaged
148 Benzo(a)pyrene	1.02655	1.04349	1.04349	0.010	1.64985	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.83029	0.92844	0.92844	0.010	11.82133	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.92758	1.00328	1.00328	0.010	8.16197	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00427	1.00915	1.00915	0.010	0.48615	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06785	2.11819	2.11819	0.010	2.43439	50.00000	Averaged

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\112110.B\HSL1121.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 21-NOV-2010 11:50
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml CS-4;2;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\112110.B\8270f.m
Meth Date : 21-Nov-2010 13:35 semivoa Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 97 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	159655	40.0000	
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	685611	40.0000	
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	369781	40.0000	
* 4	Phenanthrene-d10	188	9.050	9.050	(1.000)	590799	40.0000	
* 5	Chrysene-d12	240	13.371	13.371	(1.000)	578268	40.0000	
* 6	Perylene-d12	264	15.734	15.734	(1.000)	575616	40.0000	
$ 7	2-Fluorophenol	112	2.459	2.459	(0.670)	273604	50.0000	48.62
$ 8	Phenol-d5	99	3.350	3.350	(0.913)	357291	50.0000	50.49
$ 9	2-Chlorophenol-d4	132	3.475	3.475	(0.946)	307650	50.0000	49.50
$ 10	1,2-Dichlorobenzene-d4	152	3.868	3.868	(1.054)	197907	50.0000	50.33
$ 11	Nitrobenzene-d5	82	4.293	4.293	(0.845)	297424	50.0000	51.22
$ 12	2-Fluorobiphenyl	172	6.387	6.387	(0.890)	580591	50.0000	48.74
$ 13	2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	86126	50.0000	53.60
$ 14	Terphenyl-d14	244	11.630	11.630	(0.870)	573767	50.0000	50.37
15	N-Nitrosodimethylamine	74	1.433	1.433	(0.390)	172493	50.0000	46.90(M)
16	Pyridine	79	1.454	1.454	(0.396)	250244	50.0000	40.68
23	Aniline	93	3.371	3.371	(0.918)	441875	50.0000	49.06
24	Phenol	94	3.361	3.361	(0.915)	401137	50.0000	49.33
26	Bis(2-chloroethyl)ether	93	3.433	3.433	(0.935)	285650	50.0000	50.10
27	2-Chlorophenol	128	3.485	3.485	(0.949)	312979	50.0000	50.14
28	1,3-Dichlorobenzene	146	3.630	3.630	(0.989)	338705	50.0000	49.82
29	1,4-Dichlorobenzene	146	3.682	3.682	(1.003)	351264	50.0000	49.41
30	Benzyl Alcohol	108	3.848	3.848	(1.048)	212953	50.0000	50.76
31	1,2-Dichlorobenzene	146	3.889	3.889	(1.059)	325001	50.0000	49.73
32	2-Methylphenol	108	3.993	3.993	(1.087)	289588	50.0000	50.73
33	2,2'-oxybis(1-Chloropropane)	45	4.014	4.014	(1.093)	454737	50.0000	50.11
34	4-Methylphenol	108	4.159	4.159	(1.133)	297993	50.0000	49.15
36	Hexachloroethane	117	4.210	4.210	(1.147)	124437	50.0000	51.42
37	N-Nitrosodinpropylamine	70	4.169	4.169	(1.135)	204776	50.0000	50.71
42	Nitrobenzene	77	4.314	4.314	(0.849)	288560	50.0000	50.84
44	Isophorone	82	4.583	4.583	(0.902)	568336	50.0000	52.07
45	2-Nitrophenol	139	4.677	4.677	(0.920)	177444	50.0000	52.69
46	2,4-Dimethyphenol	107	4.749	4.749	(0.935)	295867	50.0000	49.44

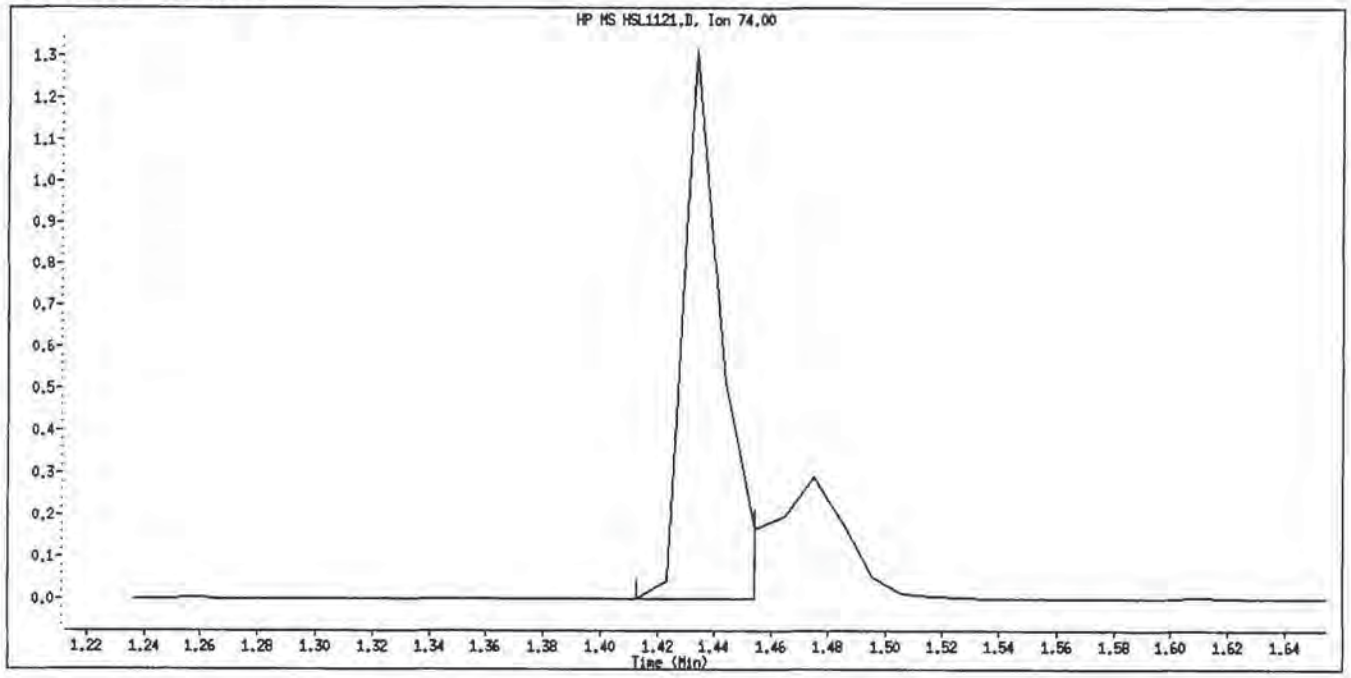
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	4.853	4.853	(0.955)	323799	50.0000	48.55
49	2,4-Dichlorophenol	162	4.946	4.946	(0.973)	232770	50.0000	50.28
50	Benzoic Acid	122	4.874	4.874	(0.959)	178919	50.0000	54.02
51	1,2,4-Trichlorobenzene	180	5.039	5.039	(0.992)	248373	50.0000	49.55
52	Naphthalene	128	5.102	5.102	(1.004)	912256	50.0000	48.19
54	4-Chloroaniline	127	5.205	5.205	(1.024)	374780	50.0000	50.51
57	Hexachlorobutadiene	225	5.330	5.330	(1.049)	122869	50.0000	50.08
60	4-Chloro-3-Methylphenol	107	5.806	5.806	(1.143)	271915	50.0000	52.59
63	2-Methylnaphthalene	142	5.910	5.910	(1.163)	574888	50.0000	48.34
66	Hexachlorocyclopentadiene	237	6.190	6.190	(0.863)	126802	50.0000	45.96
69	2,4,6-Trichlorophenol	196	6.304	6.304	(0.879)	153535	50.0000	52.04
70	2,4,5-Trichlorphenol	196	6.345	6.345	(0.884)	161911	50.0000	50.94
71	2-Chloronaphthalene	162	6.490	6.490	(0.905)	525073	50.0000	50.46
73	2-Nitroaniline	65	6.666	6.666	(0.929)	167944	50.0000	53.25
76	Dimethylphthalate	163	6.946	6.946	(0.968)	618725	50.0000	51.64
77	Acenaphthylene	152	6.988	6.988	(0.974)	915724	50.0000	50.53
79	2,6-Dinitrotoluene	165	7.019	7.019	(0.978)	143887	50.0000	51.54
80	3-Nitroaniline	138	7.164	7.164	(0.999)	177907	50.0000	51.06
81	Acenaphthene	153	7.216	7.216	(1.006)	574145	50.0000	49.77
82	2,4-Dinitrophenol	184	7.288	7.288	(1.016)	91166	50.0000	55.00
83	Dibenzofuran	168	7.402	7.402	(1.032)	754143	50.0000	49.26
84	4-Nitrophenol	109	7.413	7.413	(1.033)	78802	50.0000	54.52
86	2,4-Dinitrotoluene	165	7.475	7.475	(1.042)	183138	50.0000	49.98
91	Fluorene	166	7.817	7.817	(1.090)	631972	50.0000	49.85
92	Diethylphthalate	149	7.806	7.806	(1.088)	626946	50.0000	51.11
93	4-Chlorophenyl-phenylether	204	7.848	7.848	(1.094)	263176	50.0000	49.93
94	4-Nitroaniline	138	7.910	7.910	(1.103)	185291	50.0000	53.65
97	4,6-Dinitro-2-methylphenol	198	7.972	7.972	(0.881)	106069	50.0000	50.43
98	N-Nitrosodiphenylamine	169	8.003	8.003	(0.884)	527260	58.6000	58.88
100	Azobenzene	77	8.034	8.034	(0.888)	565543	50.0000	48.68
101	4-Bromophenyl-phenylether	248	8.470	8.470	(0.936)	151912	50.0000	52.67
108	Hexachlorobenzene	284	8.646	8.646	(0.955)	159143	50.0000	49.41
110	Pentachlorophenol	266	8.905	8.905	(0.984)	97365	50.0000	50.60
114	Phenanthrene	178	9.081	9.081	(1.003)	892517	50.0000	47.93
115	Anthracene	178	9.154	9.154	(1.011)	938298	50.0000	50.44
118	Carbazole	167	9.413	9.413	(1.040)	856304	50.0000	50.39
120	Di-n-Butylphthalate	149	10.117	10.117	(1.118)	1060401	50.0000	51.86
126	Fluoranthene	202	10.915	10.915	(1.206)	832614	50.0000	49.90
127	Benzidine	184	11.195	11.195	(0.837)	629809	50.0000	53.74
128	Pyrene	202	11.268	11.268	(0.843)	899281	50.0000	49.75
134	3,3'-dimethylbenzidine	212	12.480	12.480	(0.933)	539737	50.0000	52.17
136	Butylbenzylphthalate	149	12.604	12.604	(0.943)	476534	50.0000	52.60
138	Benzo(a)Anthracene	228	13.340	13.340	(0.998)	801162	50.0000	52.01
139	Chrysene	228	13.413	13.413	(1.003)	770226	50.0000	48.88
140	3,3'-Dichlorobenzidine	252	13.402	13.402	(1.002)	299327	50.0000	51.52
141	bis(2-ethylhexyl)Phthalate	149	13.734	13.734	(1.027)	655952	50.0000	52.57
142	Di-n-octylphthalate	149	14.781	14.781	(1.105)	1137214	50.0000	57.01
144	Benzo(b)fluoranthene	252	15.164	15.164	(0.964)	722796	50.0000	55.47
145	Benzo(k)fluoranthene	252	15.195	15.195	(0.966)	801283	50.0000	47.90(H)
147	Benzo(e)pyrene	252	15.579	15.579	(0.990)	701259	50.0000	51.61
148	Benzo(a)pyrene	252	15.651	15.651	(0.995)	750809	50.0000	50.82
151	Indeno(1,2,3-cd)pyrene	276	17.289	17.289	(1.099)	668031	50.0000	55.91
152	Dibenzo(a,h)anthracene	278	17.330	17.330	(1.101)	721883	50.0000	54.08
153	Benzo(g,h,i)perylene	276	17.672	17.672	(1.123)	726106	50.0000	50.24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1524079	50.0000	51.22(A)

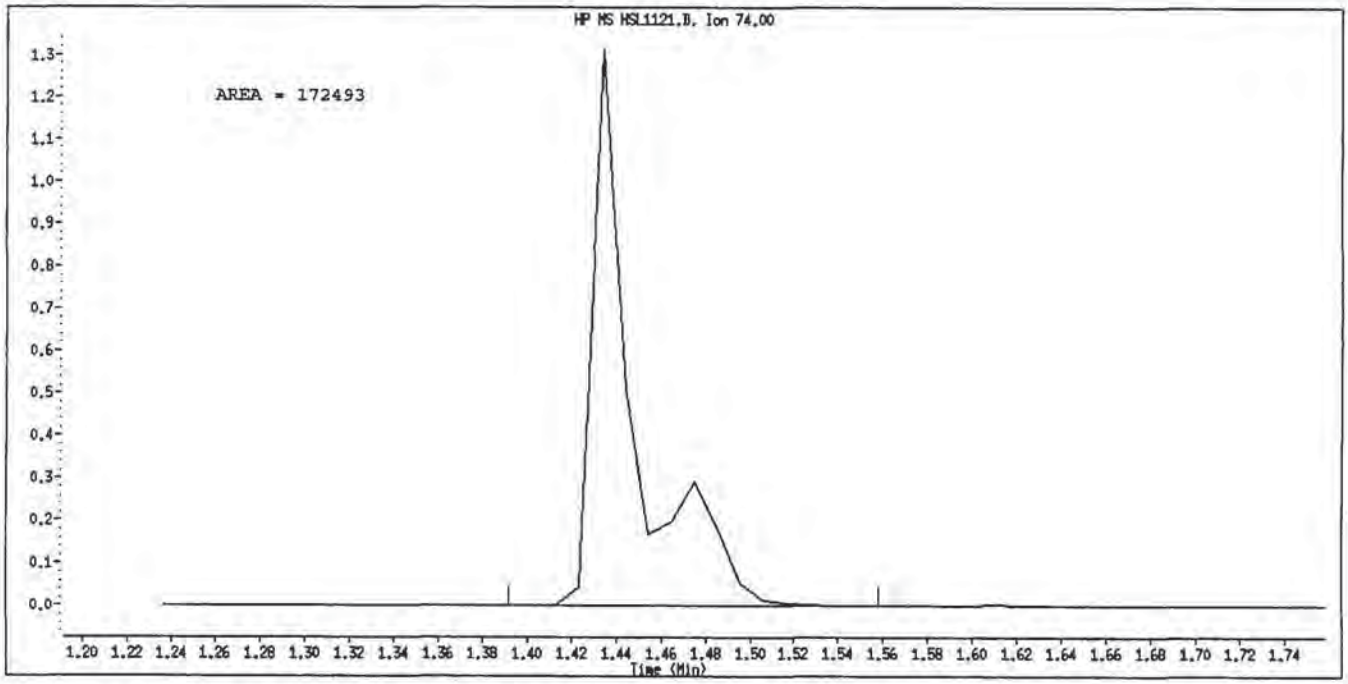
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: HSL1121.D
Inj. Date and Time: 21-NOV-2010 11:50
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 11/21/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\112110.B\HSL1121.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 21-NOV-2010 11:50
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml CS-4;2;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\112110.B\8270f.m
Meth Date : 21-Nov-2010 13:35 semivoa Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 97 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	159655	40.0000	
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	685611	40.0000	
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	369781	40.0000	
* 4	Phenanthrene-d10	188	9.050	9.050	(1.000)	590799	40.0000	
* 5	Chrysene-d12	240	13.371	13.371	(1.000)	578268	40.0000	
* 6	Perylene-d12	264	15.734	15.734	(1.000)	575616	40.0000	
$ 7	2-Fluorophenol	112	2.459	2.459	(0.670)	273604	50.0000	48.62
$ 8	Phenol-d5	99	3.350	3.350	(0.913)	357291	50.0000	50.49
$ 9	2-Chlorophenol-d4	132	3.475	3.475	(0.946)	307650	50.0000	49.50
$ 10	1,2-Dichlorobenzene-d4	152	3.868	3.868	(1.054)	197907	50.0000	50.33
$ 11	Nitrobenzene-d5	82	4.293	4.293	(0.845)	297424	50.0000	51.22
$ 12	2-Fluorobiphenyl	172	6.387	6.387	(0.890)	580591	50.0000	48.74
$ 13	2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	86126	50.0000	53.60
$ 14	Terphenyl-d14	244	11.630	11.630	(0.870)	573767	50.0000	50.37
15	N-Nitrosodimethylamine	74	1.433	1.433	(0.390)	121531	50.0000	33.04
16	Pyridine	79	1.454	1.454	(0.396)	250244	50.0000	40.68
23	Aniline	93	3.371	3.371	(0.918)	441875	50.0000	49.06
24	Phenol	94	3.361	3.361	(0.915)	401137	50.0000	49.33
26	Bis(2-chloroethyl)ether	93	3.433	3.433	(0.935)	285650	50.0000	50.10
27	2-Chlorophenol	128	3.485	3.485	(0.949)	312979	50.0000	50.14
28	1,3-Dichlorobenzene	146	3.630	3.630	(0.989)	338705	50.0000	49.82
29	1,4-Dichlorobenzene	146	3.682	3.682	(1.003)	351264	50.0000	49.41
30	Benzyl Alcohol	108	3.848	3.848	(1.048)	212953	50.0000	50.76
31	1,2-Dichlorobenzene	146	3.889	3.889	(1.059)	325001	50.0000	49.73
32	2-Methylphenol	108	3.993	3.993	(1.087)	289588	50.0000	50.73
33	2,2'-oxybis(1-Chloropropane)	45	4.014	4.014	(1.093)	454737	50.0000	50.11
34	4-Methylphenol	108	4.159	4.159	(1.133)	297993	50.0000	49.15
36	Hexachloroethane	117	4.210	4.210	(1.147)	124437	50.0000	51.42
37	N-Nitrosodinpropylamine	70	4.169	4.169	(1.135)	204776	50.0000	50.71
42	Nitrobenzene	77	4.314	4.314	(0.849)	288560	50.0000	50.84
44	Isophorone	82	4.583	4.583	(0.902)	568336	50.0000	52.07
45	2-Nitrophenol	139	4.677	4.677	(0.920)	177444	50.0000	52.69
46	2,4-Dimethyphenol	107	4.749	4.749	(0.935)	295867	50.0000	49.44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	4.853	4.853	(0.955)	323799	50.0000	48.55
49	2,4-Dichlorophenol	162	4.946	4.946	(0.973)	232770	50.0000	50.28
50	Benzoic Acid	122	4.874	4.874	(0.959)	178919	50.0000	54.02
51	1,2,4-Trichlorobenzene	180	5.039	5.039	(0.992)	248373	50.0000	49.55
52	Naphthalene	128	5.102	5.102	(1.004)	912256	50.0000	48.19
54	4-Chloroaniline	127	5.205	5.205	(1.024)	374780	50.0000	50.51
57	Hexachlorobutadiene	225	5.330	5.330	(1.049)	122869	50.0000	50.08
60	4-Chloro-3-Methylphenol	107	5.806	5.806	(1.143)	271915	50.0000	52.59
63	2-Methylnaphthalene	142	5.910	5.910	(1.163)	574888	50.0000	48.34
66	Hexachlorocyclopentadiene	237	6.190	6.190	(0.863)	126802	50.0000	45.96
69	2,4,6-Trichlorophenol	196	6.304	6.304	(0.879)	153535	50.0000	52.04
70	2,4,5-Trichlorphenol	196	6.345	6.345	(0.884)	161911	50.0000	50.94
71	2-Chloronaphthalene	162	6.490	6.490	(0.905)	525073	50.0000	50.46
73	2-Nitroaniline	65	6.666	6.666	(0.929)	167944	50.0000	53.25
76	Dimethylphthalate	163	6.946	6.946	(0.968)	618725	50.0000	51.64
77	Acenaphthylene	152	6.988	6.988	(0.974)	915724	50.0000	50.53
79	2,6-Dinitrotoluene	165	7.019	7.019	(0.978)	143887	50.0000	51.54
80	3-Nitroaniline	138	7.164	7.164	(0.999)	177907	50.0000	51.06
81	Acenaphthene	153	7.216	7.216	(1.006)	574145	50.0000	49.77
82	2,4-Dinitrophenol	184	7.288	7.288	(1.016)	91166	50.0000	55.00
83	Dibenzofuran	168	7.402	7.402	(1.032)	754143	50.0000	49.26
84	4-Nitrophenol	109	7.413	7.413	(1.033)	78802	50.0000	54.52
86	2,4-Dinitrotoluene	165	7.475	7.475	(1.042)	183138	50.0000	49.98
91	Fluorene	166	7.817	7.817	(1.090)	631972	50.0000	49.85
92	Diethylphthalate	149	7.806	7.806	(1.088)	626946	50.0000	51.11
93	4-Chlorophenyl-phenylether	204	7.848	7.848	(1.094)	263176	50.0000	49.93
94	4-Nitroaniline	138	7.910	7.910	(1.103)	185291	50.0000	53.65
97	4,6-Dinitro-2-methylphenol	198	7.972	7.972	(0.881)	106069	50.0000	50.43
98	N-Nitrosodiphenylamine	169	8.003	8.003	(0.884)	527260	58.6000	58.88
100	Azobenzene	77	8.034	8.034	(0.888)	565543	50.0000	48.68
101	4-Bromophenyl-phenylether	248	8.470	8.470	(0.936)	151912	50.0000	52.67
108	Hexachlorobenzene	284	8.646	8.646	(0.955)	159143	50.0000	49.41
110	Pentachlorophenol	266	8.905	8.905	(0.984)	97365	50.0000	50.60
114	Phenanthrene	178	9.081	9.081	(1.003)	892517	50.0000	47.93
115	Anthracene	178	9.154	9.154	(1.011)	938298	50.0000	50.44
118	Carbazole	167	9.413	9.413	(1.040)	856304	50.0000	50.39
120	Di-n-Butylphthalate	149	10.117	10.117	(1.118)	1060401	50.0000	51.86
126	Fluoranthene	202	10.915	10.915	(1.206)	832614	50.0000	49.90
127	Benzidine	184	11.195	11.195	(0.837)	629809	50.0000	53.74
128	Pyrene	202	11.268	11.268	(0.843)	899281	50.0000	49.75
134	3,3'-dimethylbenzidine	212	12.480	12.480	(0.933)	539737	50.0000	52.17
136	Butylbenzylphthalate	149	12.604	12.604	(0.943)	476534	50.0000	52.60
138	Benzo(a)Anthracene	228	13.340	13.340	(0.998)	801162	50.0000	52.01
139	Chrysene	228	13.413	13.413	(1.003)	770226	50.0000	48.88
140	3,3'-Dichlorobenzidine	252	13.402	13.402	(1.002)	299327	50.0000	51.52
141	bis(2-ethylhexyl)Phthalate	149	13.734	13.734	(1.027)	655952	50.0000	52.57
142	Di-n-octylphthalate	149	14.781	14.781	(1.105)	1137214	50.0000	57.01
144	Benzo(b)fluoranthene	252	15.164	15.164	(0.964)	722796	50.0000	55.47
145	Benzo(k)fluoranthene	252	15.164	15.164	(0.964)	722796	50.0000	43.21
147	Benzo(e)pyrene	252	15.579	15.579	(0.990)	701259	50.0000	51.61
148	Benzo(a)pyrene	252	15.651	15.651	(0.995)	750809	50.0000	50.82
151	Indeno(1,2,3-cd)pyrene	276	17.289	17.289	(1.099)	668031	50.0000	55.91
152	Dibenzo(a,h)anthracene	278	17.330	17.330	(1.101)	721883	50.0000	54.08
153	Benzo(g,h,i)perylene	276	17.672	17.672	(1.123)	726106	50.0000	50.24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1445592	50.0000	48.58(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1121.D
Lab Smp Id: HSL_050 ug/ml CS-4
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\112110.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 19-NOV-2010
Calibration Time: 11:30
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	159655	30.20
2 Naphthalene-d8	530514	265257	1061028	685611	29.24
3 Acenaphthene-d10	282538	141269	565076	369781	30.88
4 Phenanthrene-d10	462722	231361	925444	590799	27.68
5 Chrysene-d12	435850	217925	871700	578268	32.68
6 Perylene-d12	422284	211142	844568	575616	36.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.67	3.17	4.17	3.67	0.00
2 Naphthalene-d8	5.08	4.58	5.58	5.08	0.00
3 Acenaphthene-d10	7.17	6.67	7.67	7.17	0.00
4 Phenanthrene-d10	9.05	8.55	9.55	9.05	0.00
5 Chrysene-d12	13.37	12.87	13.87	13.37	0.00
6 Perylene-d12	15.73	15.23	16.23	15.73	0.00

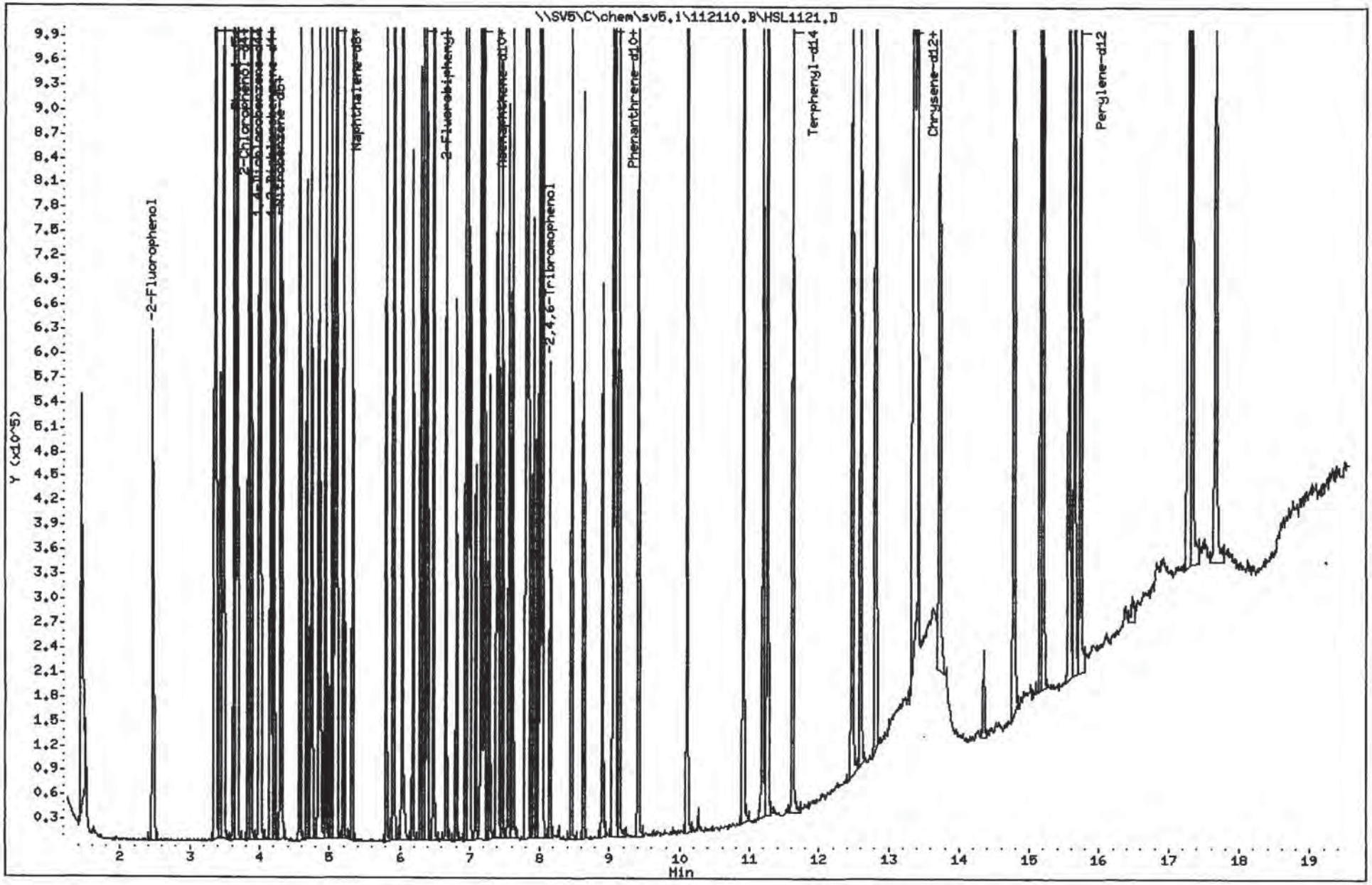
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\112110.B\HSL1121.D
Date : 21-NOV-2010 11:50
Client ID: 8270F,H
Sample Info: HSL_050 ug/ml CS-4;2;;4;;;;4

Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



Test America West Sacramento (916) 373 - 5600

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8270 AP9 CCV Checklist

Instrument: SV-5 _____

ICAL Date: 08/17/10_____ DFTPP ID: DFT1121

Initiator/Date: srs-11/21/10 _____ Standard ID: AP91121

Reviewer/Date: [signature] 11/21/10 NCM #: _____

I: 8270C Criteria

	Initiated	Reviewed
Log Book page included.	☒	☑
CCV compared to correct ICAL.	☒	☑
Tune documentation is present and meets criteria.	☒	☑
Manual re-integrations are checked, initialed and hardcopies included.	☒	☑
Retention time correct for Isomers and all other analytes.	☒	☑
CCV Internal Standards are within 50-200% of ICAL mid-point.	☒	☑
Samples analyzed within 12 hours of Tune time.	☒	☑
Tailing and degradation criteria are met.	☒	☑
Spot check manual integrations in Target. Analyte checked:_____	NA	☑ NA
Non-CCC ≤ 50% D	☒	☑

II: 8270C SPCC Check

SPCC RRFs must be greater than 0.050

	Initiated	Reviewed		Initiated	Reviewed
N-nitroso-di-n-propylamine	☐NA	☑ NA	2,4-Dinitrophenol	☐NA	☑ NA
Hexachlorocyclopentadiene	☐NA	☑	4-Nitrophenol	☐NA	☑

III: 8270C CCC Check

CCC must be ≤ 20%D (If CCC are not targets, all analytes must be <20%D.)

	Initiated	Reviewed		Initiated	Reviewed
Phenol	☐NA	☑	Acenaphthene	☐NA	☑
1,4-Dichlorobenzene	☐NA	☑	N-nitrosodiphenylamine	☐NA	☑
2-Nitrophenol	☐NA	☑	Pentachlorophenol	☐NA	☑
2,4-Dinitrophenol	☐NA	☑	Flouranthene	☐NA	☑
Hexachlorobutadiene	☐NA	☑ NA	Di-n-octyl phthalate	☐NA	☑ NA
4-Chloro-3-methylphenol	☐NA	☑	Benzo(a)pyrene	☐NA	☑
2,4,6-Trichlorophenol	☐NA	☑			

IV: AFCEE 3.1 and 4.0 QAPP Criteria

	Initiated	Reviewed
All analytes in CCV +/- 20%D compared to ICAL. see note	☒	see note
CCV and Sample Internal Standards are within 50-200% of ICAL mid-point.	☒	☑
Are the compounds which required manual integrations documented in the MI spreadsheet? 11/21/10	☒	☑

V: DOD QSM V3 Criteria	Initiated	Reviewed
For 8270, CCCs must be ≤ 20% D.	☐NA	☐
RRFs for SPCCs must meet minimum response factor criteria	☐NA	☐
CCV and sample Internal Standards are within 50-200% of ICAL mid-point.	☐NA	☐
SIM: All analytes must be ≤ 20%	☐NA	☐ NA
Are the compounds which required manual integrations documented in the MI spreadsheet?	☐NA	☐

Note: 2,6-Dinitrophenol and n-Nitrosopyrrolidine only

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 21-NOV-2010 12:15
Lab File ID: AP91121.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 23:55
Lab Sample ID: AP9_050 ug/ml CS-4 Quant Type: ISTD
Method: \\SV5\C\chem\sv5.i\112110.B\8270fap9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
17 2-Picoline	1.66833	1.45327	1.45327	0.010	-12.89068	50.00000	Averaged	
18 n-Nitrosomethylethylamine	0.75572	0.67895	0.67895	0.010	-10.15869	50.00000	Averaged	
19 Methyl methanesulfonate	0.63676	0.44319	0.44319	0.010	-30.39869	50.00000	Averaged	
21 n-Nitrosodiethylamine	0.77988	0.74229	0.74229	0.010	-4.81984	50.00000	Averaged	
22 Ethyl methanesulfonate	1.10810	1.04378	1.04378	0.010	-5.80435	50.00000	Averaged	
20 Benzaldehyde	1.30417	0.55328	0.55328	0.010	-57.57626	50.00000	Averaged	<-
25 Pentachloroethane	0.52066	0.51478	0.51478	0.010	-1.12910	50.00000	Averaged	
35 Acetophenone	0.46582	0.43548	0.43548	0.010	-6.51199	50.00000	Averaged	
38 n-Nitrosopyrrolidine	0.84836	0.86088	0.86088	0.010	1.47543	50.00000	Averaged	
39 3-Methylphenol	1.54820	1.76231	1.76231	0.010	13.82934	50.00000	Averaged	
40 o-Toluidine	2.55811	2.51605	2.51605	0.010	-1.64408	50.00000	Averaged	
41 n-Nitrosomorpholine	1.17084	1.01478	1.01478	0.010	-13.32891	50.00000	Averaged	
43 N-Nitrosopiperidine	0.26232	0.20203	0.20203	0.010	-22.98197	50.00000	Averaged	
48 o,o,o-TEPT	0.14007	0.14865	0.14865	0.010	6.13139	50.00000	Averaged	
53 a-,a-Dimethylphenethylamine	1.13547	1.06186	1.06186	0.010	-6.48252	50.00000	Averaged	
56 Hexachloropropene	0.13703	0.16555	0.16555	0.010	20.81106	50.00000	Averaged	
58 p-Phenylenediamine	0.46748	0.37016	0.37016	0.010	-20.81852	50.00000	Averaged	
59 N-Nitroso-di-n-butylamine	0.23539	0.23921	0.23921	0.010	1.62251	50.00000	Averaged	
55 2,6-Dichlorophenol	0.25204	0.28124	0.28124	0.010	11.58640	50.00000	Averaged	
61 Safrole	0.24987	0.26616	0.26616	0.010	6.52093	50.00000	Averaged	
65 1-Methylnaphthalene	0.69162	0.73088	0.73088	0.010	5.67637	50.00000	Averaged	
67 1,2,4,5-Tetrachlorobenzene	0.42057	0.42261	0.42261	0.010	0.48434	50.00000	Averaged	
68 Isosafrole#1	0.08606	0.08307	0.08307	0.010	-3.47300	50.00000	Averaged	
72 Isosafrole#2	0.47771	0.47949	0.47949	0.010	0.37261	50.00000	Averaged	
64 1-Chloronaphthalene	1.08822	1.06531	1.06531	0.010	-2.10478	50.00000	Averaged	
62 Biphenyl	1.59234	1.57375	1.57375	0.010	-1.16720	50.00000	Averaged	
74 1,4-Naphthoquinone	0.44345	0.45019	0.45019	0.010	1.51862	50.00000	Averaged	
75 1,3-Dinitrobenzene	50.00000	71.15657	0.21566	0.010	42.31313	0.000e+000	Quadratic	
78 1,4-Dinitrobenzene	50.00000	60.85027	0.23805	0.010	21.70055	0.000e+000	Quadratic	
160 1,2-Dinitrobenzene	50.00000	59.92815	0.16716	0.010	19.85629	0.000e+000	Quadratic	
85 Pentachlorobenzene	0.39081	0.41001	0.41001	0.010	4.91276	50.00000	Averaged	
87 1-Naphthylamine	1.37168	1.30703	1.30703	0.010	-4.71324	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.24424	0.29664	0.29664	0.010	21.45428	50.00000	Averaged	
89 2-Naphthylamine	1.43548	1.40466	1.40466	0.010	-2.14724	50.00000	Averaged	
90 2,3,5,6-Tetrachlorophenol	0.22879	0.28290	0.28290	0.010	23.64762	50.00000	Averaged	
95 5-Nitro-o-toluidine	50.00000	54.03922	0.44279	0.010	8.07843	0.000e+000	Linear	
96 Thionazin	0.27986	0.30207	0.30207	0.010	7.93542	50.00000	Averaged	
99 Diphenylamine	0.67390	0.70890	0.70890	0.010	5.19342	50.00000	Averaged	
102 Sulfotepp	0.12719	0.13192	0.13192	0.010	3.71565	50.00000	Averaged	
103 Diallate 1	0.34497	0.31679	0.31679	0.010	-8.16912	50.00000	Averaged	
104 1,3,5-Trinitrobenzene	50.00000	74.09140	0.04892	0.010	48.18281	0.000e+000	Quadratic	
105 Phorate	0.68784	0.82601	0.82601	0.010	20.08823	50.00000	Averaged	
106 Diallate 2	0.06730	0.06324	0.06324	0.010	-6.02213	50.00000	Averaged	

11/21/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 21-NOV-2010 12:15
Lab File ID: AP91121.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 23:55
Lab Sample ID: AP9_050 ug/ml CS-4 Quant Type: ISTD
Method: \\SV5\C\chem\sv5.i\112110.B\8270fap9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
107 Phenacetin	50.00000	52.53217	0.44644	0.010	5.06434	0.000e+000	Linear
109 Dimethoate	0.28093	0.29384	0.29384	0.010	4.59773	50.00000	Averaged
111 4-Aminobiphenyl	0.85015	0.85169	0.85169	0.010	0.18133	50.00000	Averaged
112 Pentachloronitrobenzene	0.03531	0.04174	0.04174	0.010	18.19569	50.00000	Averaged
113 Pronamide	0.30996	0.35598	0.35598	0.010	14.84678	50.00000	Averaged
116 Disulfoton	0.43845	0.42797	0.42797	0.010	-2.39022	50.00000	Averaged
117 2-sec-Butyl-4,6-dinitrophen	50.00000	78.32809	0.20492	0.010	56.65618	0.000e+000	Quadratic
119 Methyl Parathion	50.00000	60.09660	1.21819	0.010	20.19320	0.000e+000	Linear
122 4-Nitroquinoline-1-oxide	50.00000	79.72316	0.12478	0.010	59.44631	0.000e+000	Quadratic
123 Parathion	50.00000	55.68904	0.18629	0.010	11.37808	0.000e+000	Quadratic
124 Methapyrilene	0.59557	0.31478	0.31478	0.010	-47.14661	50.00000	Averaged
125 Isodrin	0.12693	0.12542	0.12542	0.010	-1.19252	50.00000	Averaged
129 Aramite#1	0.04730	0.06600	0.06600	0.010	39.53318	50.00000	Averaged
130 Aramite#2	0.07280	0.09740	0.09740	0.010	33.80563	50.00000	Averaged
131 p-Dimthylaminoazobenzene	50.00000	45.70041	0.42578	0.010	-8.59918	0.000e+000	Linear
132 p-Chlorobenzilate	50.00000	60.78145	0.34041	0.010	21.56290	0.000e+000	Linear
137 2-Acetylaminofluorene	50.00000	66.61586	0.58179	0.010	33.23172	0.000e+000	Quadratic
143 Benzo(j)fluoranthene	0.95193	0.98648	0.98648	0.010	3.62942	50.00000	Averaged
146 7,12-Dimethylbenz(a)anthrac	0.52240	0.49293	0.49293	0.010	-5.64110	50.00000	Averaged
149 3-Methylcholanthrene	0.54842	0.60077	0.60077	0.010	9.54622	50.00000	Averaged
150 Dibenz(a,j)acridine	50.00000	52.78855	0.85955	0.010	5.57711	0.000e+000	Linear
M 154 Diallate (Total)	0.41227	0.38004	0.38004	0.010	-7.81866	50.00000	Averaged
M 155 Isosafrole (Total)	0.56377	0.56256	0.56256	0.010	-0.21441	50.00000	Averaged
M 156 Aramite (Total)	0.13664	0.16340	0.16340	0.010	19.58864	50.00000	Averaged
M 157 3 and 4-methylphenol	1.54820	1.76231	1.76231	0.010	13.82934	50.00000	Averaged
133 Kepone	0.10009	0.05074	0.05074	0.010	-49.30626	50.00000	Averaged
135 Famphur	0.27575	0.28199	0.28199	0.010	2.26116	50.00000	Averaged

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\112110.B\AP91121.D
Lab Smp Id: AP9_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 21-NOV-2010 12:15
Operator : KT Inst ID: sv5.i
Smp Info : AP9_050 ug/ml CS-4;2;;4;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0324;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\112110.B\8270fap9.m
Meth Date : 21-Nov-2010 13:36 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 98 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

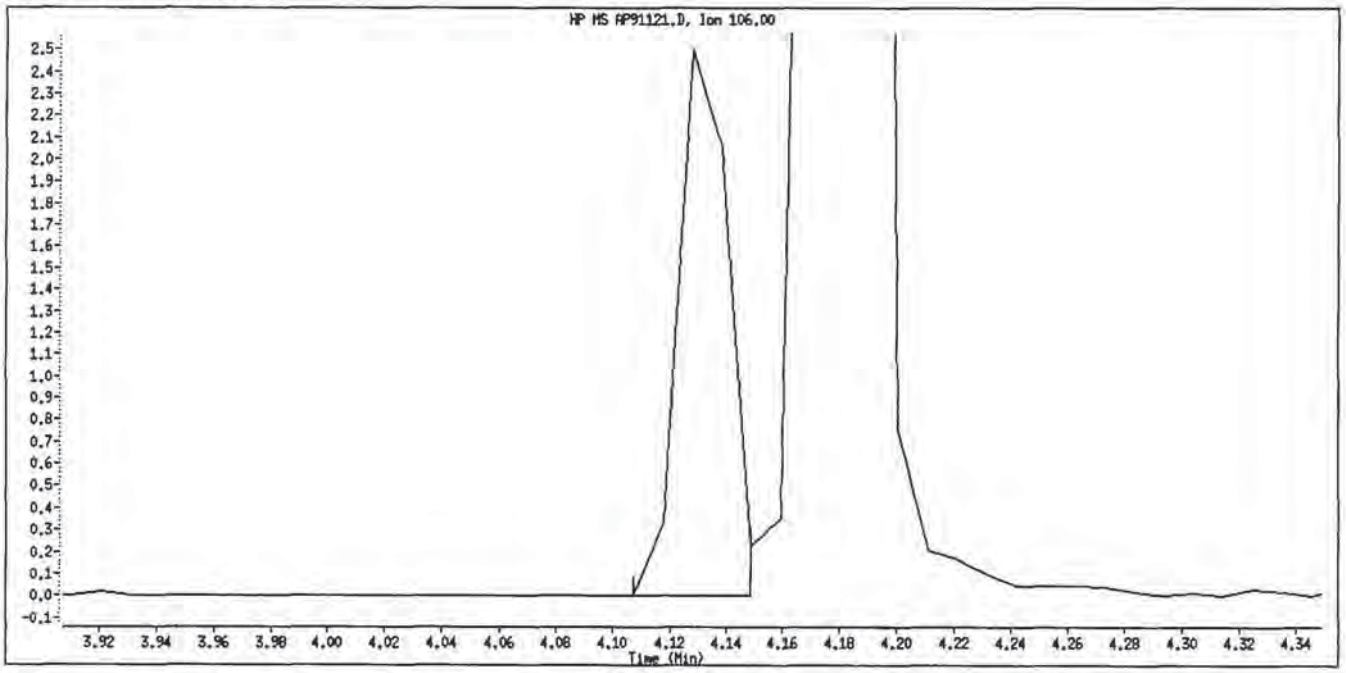
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	153414	40.0000	
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	704069	40.0000	
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	411309	40.0000	
* 4	Phenanthrene-d10	188	9.060	9.060	(1.000)	673135	40.0000	
* 5	Chrysene-d12	240	13.371	13.371	(1.000)	675114	40.0000	
* 6	Perylene-d12	264	15.734	15.734	(1.000)	689394	40.0000	
17	2-Picoline	93	1.972	1.972	(0.537)	278690	50.0000	43.55
18	n-Nitrosomethylethylamine	88	2.076	2.076	(0.565)	130201	50.0000	44.92
19	Methyl methanesulfonate	80	2.345	2.345	(0.639)	84990	50.0000	34.80
21	n-Nitrosodiethylamine	102	2.677	2.677	(0.729)	142347	50.0000	47.59
22	Ethyl methanesulfonate	79	2.967	2.967	(0.808)	200164	50.0000	47.10
20	Benzaldehyde	106	3.236	3.236	(0.881)	106101	50.0000	21.21
25	Pentachloroethane	117	3.371	3.371	(0.918)	98718	50.0000	49.44
35	Acetophenone	105	4.128	4.128	(0.812)	383262	50.0000	46.74
38	n-Nitrosopyrrolidine	100	4.128	4.128	(1.124)	165088	50.0000	50.74
39	3-Methylphenol	108	4.159	4.159	(1.133)	337953	50.0000	56.91
40	o-Toluidine	106	4.179	4.179	(1.138)	482497	50.0000	49.18 (M)
41	n-Nitrosomorpholine	56	4.148	4.148	(1.130)	194602	50.0000	43.34
43	N-Nitrosopiperidine	42	4.480	4.480	(0.882)	177805	50.0000	38.51
48	o,o,o-TEPT	198	4.874	4.874	(0.959)	130828	50.0000	53.06
53	a-,a-Dimethylphenethylamine	58	4.998	4.998	(0.984)	934529	50.0000	46.76 (M)
56	Hexachloropropene	213	5.247	5.247	(1.033)	145695	50.0000	60.40
58	p-Phenylenediamine	108	5.609	5.609	(1.104)	325769	50.0000	39.59
59	N-Nitroso-di-n-butylamine	84	5.641	5.641	(1.110)	210528	50.0000	50.81
55	2,6-Dichlorophenol	162	5.216	5.216	(1.027)	247513	50.0000	55.79
61	Safrole	162	5.837	5.837	(1.149)	234247	50.0000	53.26
65	1-Methylnaphthalene	142	6.045	6.045	(1.190)	643234	50.0000	52.84
67	1,2,4,5-Tetrachlorobenzene	216	6.159	6.159	(0.858)	217277	50.0000	50.24
68	Isosafrole#1	162	6.190	6.190	(0.863)	42709	50.0000	48.26
72	Isosafrole#2	162	6.449	6.449	(0.899)	246524	50.0000	50.19
64	1-Chloronaphthalene	162	6.521	6.521	(0.909)	547715	50.0000	48.95
62	Biphenyl	154	6.490	6.490	(0.905)	809122	50.0000	49.42
74	1,4-Naphthoquinone	158	6.708	6.708	(0.935)	231458	50.0000	50.76

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	6.812	6.812	(0.949)	110880	50.0000	71.16
78	1,4-Dinitrobenzene	168	6.946	6.946	(0.968)	122389	50.0000	60.85
160	1,2-Dinitrobenzene	168	7.091	7.091	(0.988)	85941	50.0000	59.93
85	Pentachlorobenzene	250	7.433	7.433	(1.036)	210801	50.0000	52.46
87	1-Naphtylamine	143	7.506	7.506	(1.046)	671993	50.0000	47.64
88	2,3,4,6-Tetrachlorophenol	232	7.620	7.620	(1.062)	152515	50.0000	60.73
89	2-Naphthylamine	143	7.599	7.599	(1.059)	722185	50.0000	48.93
90	2,3,5,6-Tetrachlorophenol	232	7.568	7.568	(1.055)	145448	50.0000	61.82
95	5-Nitro-o-toluidine	152	7.889	7.889	(1.100)	227655	50.0000	54.04
96	Thionazin	97	7.900	7.900	(1.101)	155305	50.0000	53.97
99	Diphenylamine	169	8.003	8.003	(0.883)	596484	50.0000	52.60
102	Sulfotepp	97	8.387	8.387	(0.926)	110996	50.0000	51.86
103	Diallate 1	86	8.449	8.449	(0.933)	266555	50.0000	45.92
104	1,3,5-Trinitrobenzene	120	8.449	8.449	(0.933)	41160	50.0000	74.09
105	Phorate	121	8.459	8.459	(2.304)	158402	50.0000	60.04
106	Diallate 2	86	8.553	8.553	(0.944)	53214	50.0000	46.99
107	Phenacetin	108	8.490	8.490	(0.937)	375640	50.0000	52.53
109	Dimethoate	87	8.687	8.687	(0.959)	247245	50.0000	52.30
111	4-Aminobiphenyl	169	8.832	8.832	(0.975)	716630	50.0000	50.09
112	Pentachloronitrobenzene	295	9.009	9.009	(0.994)	35117	50.0000	59.10
113	Pronamide	173	9.019	9.019	(0.995)	299527	50.0000	57.42
116	Disulfoton	88	9.185	9.185	(1.014)	360103	50.0000	48.80
117	2-sec-Butyl-4,6-dinitrophenol	211	9.205	9.205	(1.016)	172424	50.0000	78.33
119	Methyl Parathion	109	9.734	9.734	(2.651)	233609	50.0000	60.10
122	4-Nitroquinoline-1-oxide	190	10.304	10.304	(1.137)	104994	50.0000	79.72
123	Parathion	109	10.366	10.366	(1.144)	156747	50.0000	55.69
124	Methapyrilene	58	10.532	10.532	(1.162)	264860	50.0000	26.43
125	Isodrin	193	10.698	10.698	(0.800)	105839	50.0000	49.40
129	Aramite#1	185	11.713	11.713	(0.876)	55695	50.0000	69.77
130	Aramite#2	185	11.848	11.848	(0.886)	82199	50.0000	66.90
131	p-Dimthylaminoazobenzene	120	11.910	11.910	(0.891)	359311	50.0000	45.70
132	p-Chlorobenzilate	251	12.035	12.035	(1.328)	286425	50.0000	60.78
137	2-Acetylaminofluorene	181	12.936	12.936	(0.967)	490965	50.0000	66.62
143	Benzo(j)fluoranthene	252	15.185	15.185	(0.965)	850093	50.0000	51.81
146	7,12-Dimethylbenz(a)anthracene	256	15.206	15.206	(0.966)	424783	50.0000	47.18
149	3-Methylcholanthrene	268	16.242	16.242	(1.032)	517708	50.0000	54.77
150	Dibenz(a,j)acridine	279	17.040	17.040	(1.083)	740707	50.0000	52.79
M 154	Diallate (Total)	86				319769	50.0000	46.09
M 155	Isosafrole (Total)	162				289233	50.0000	49.89
M 156	Aramite (Total)	185				137894	50.0000	59.79
M 157	3 and 4-methylphenol	108				337953	50.0000	56.91
133	Kepone	272	12.418	12.418	(0.929)	42819	50.0000	25.35
135	Famphur	218	12.501	12.501	(0.935)	237968	50.0000	51.13

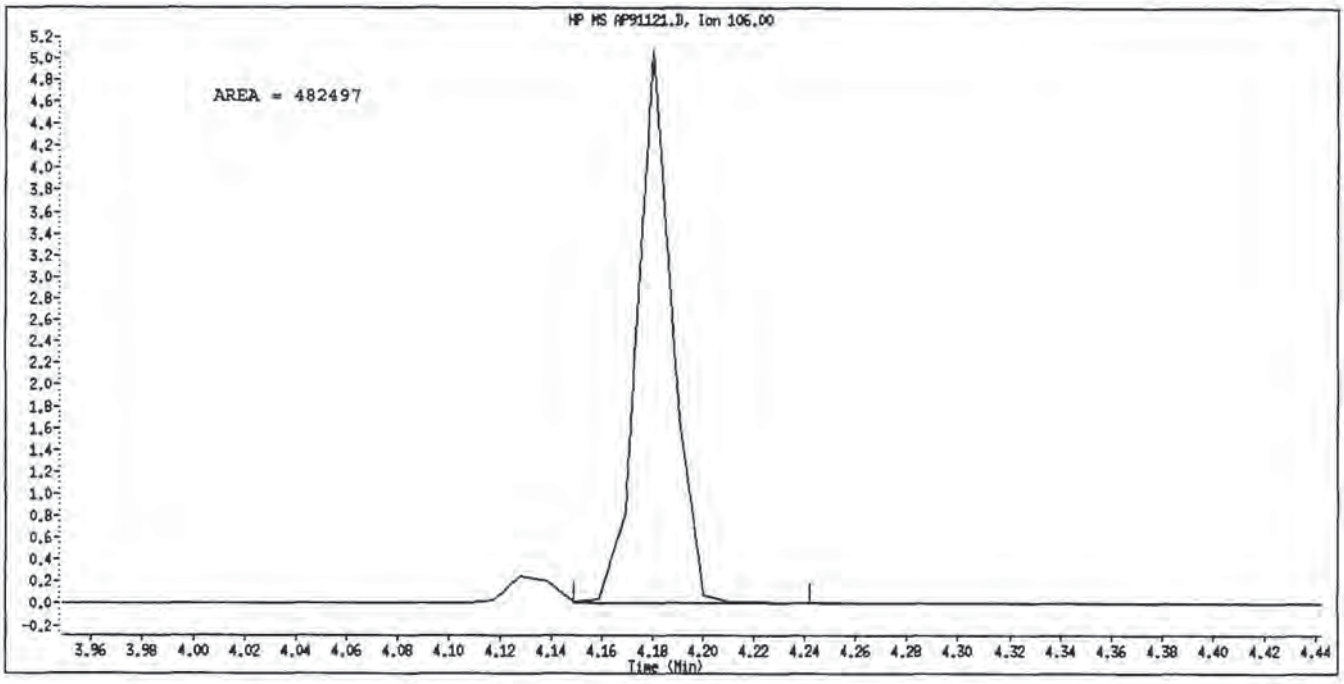
QC Flag Legend

M - Compound response manually integrated.

Data File Name: AP91121.D
Inj. Date and Time: 21-NOV-2010 12:15
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: o-Toluidine
CAS #: 95-53-4
Report Date: 11/21/2010



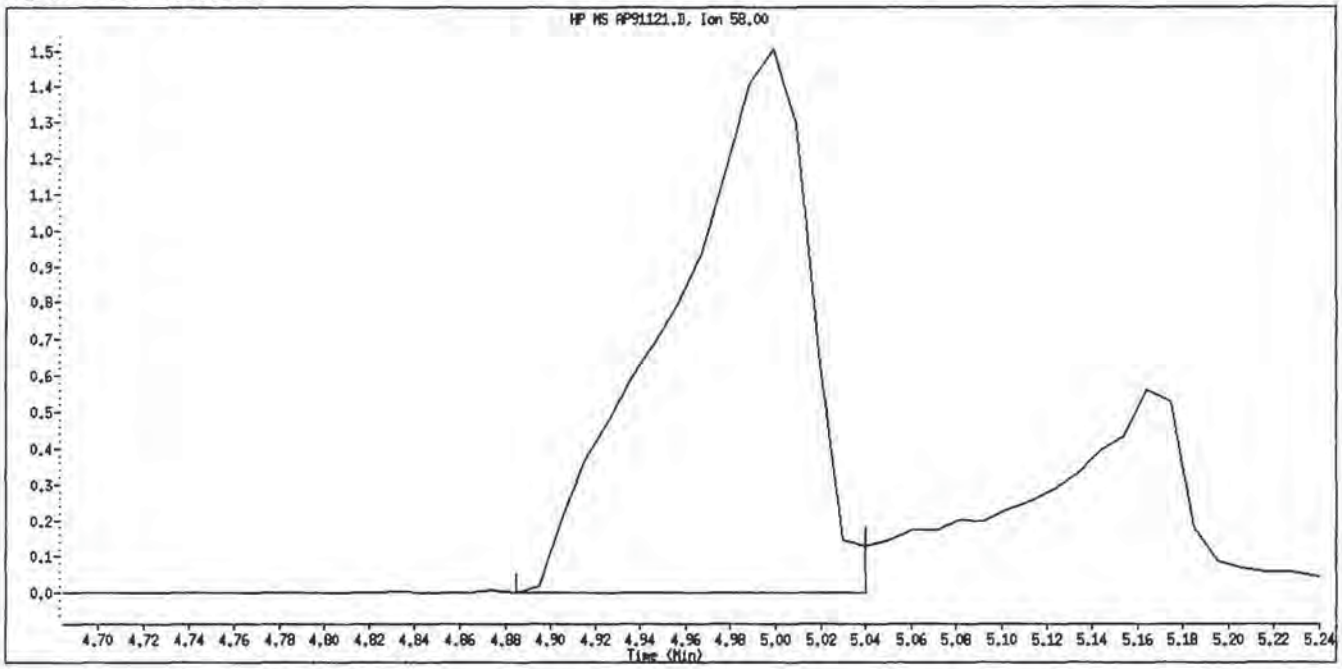
Original Integration



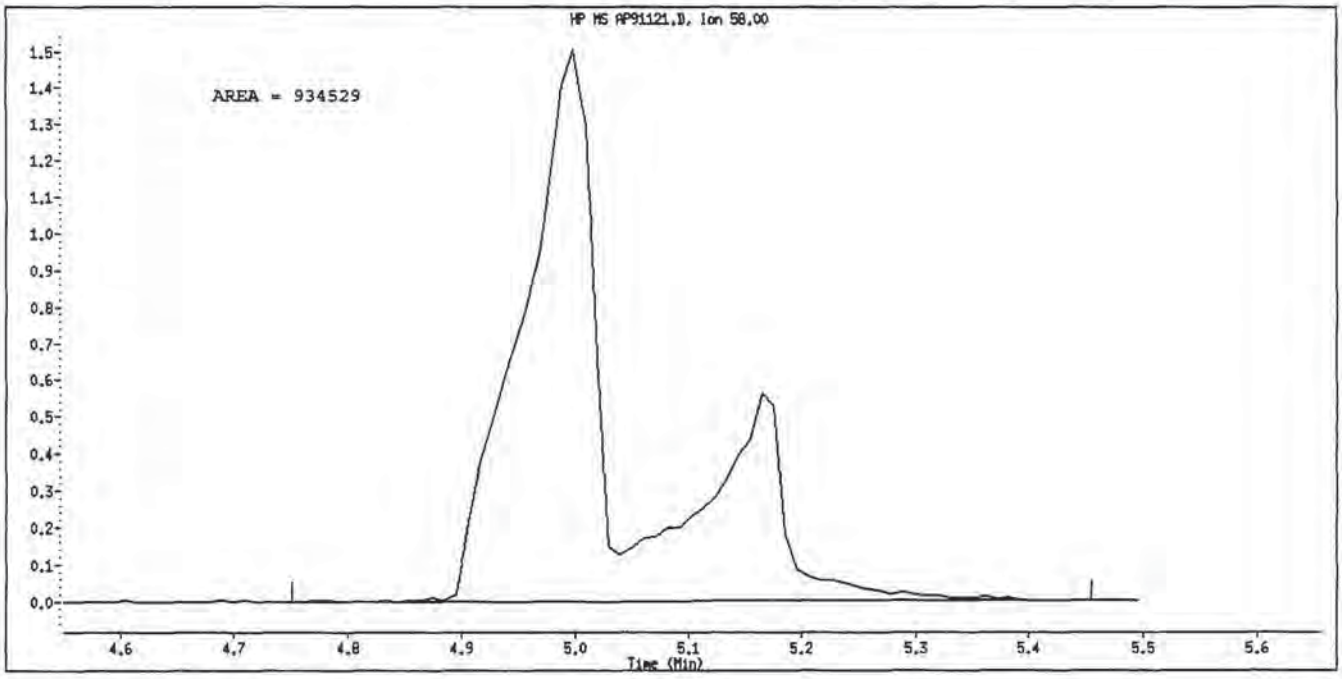
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

Data File Name: AP91121.D
Inj. Date and Time: 21-NOV-2010 12:15
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: a-,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 11/21/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\112110.B\AP91121.D
Lab Smp Id: AP9_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 21-NOV-2010 12:15
Operator : KT Inst ID: sv5.i
Smp Info : AP9_050 ug/ml CS-4;2;;4;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0324;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\112110.B\8270fap9.m
Meth Date : 21-Nov-2010 13:36 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 98 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	153414	40.0000	
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	704069	40.0000	
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	411309	40.0000	
* 4	Phenanthrene-d10	188	9.060	9.060	(1.000)	673135	40.0000	
* 5	Chrysene-d12	240	13.371	13.371	(1.000)	675114	40.0000	
* 6	Perylene-d12	264	15.734	15.734	(1.000)	689394	40.0000	
17	2-Picoline	93	1.972	1.972	(0.537)	278690	50.0000	43.55
18	n-Nitrosomethylethylamine	88	2.076	2.076	(0.565)	130201	50.0000	44.92
19	Methyl methanesulfonate	80	2.345	2.345	(0.639)	84990	50.0000	34.80
21	n-Nitrosodiethylamine	102	2.677	2.677	(0.729)	142347	50.0000	47.59
22	Ethyl methanesulfonate	79	2.967	2.967	(0.808)	200164	50.0000	47.10
20	Benzaldehyde	106	3.236	3.236	(0.881)	106101	50.0000	21.21
25	Pentachloroethane	117	3.371	3.371	(0.918)	98718	50.0000	49.44
35	Acetophenone	105	4.128	4.128	(0.812)	383262	50.0000	46.74
38	n-Nitrosopyrrolidine	100	4.128	4.128	(1.124)	165088	50.0000	50.74
39	3-Methylphenol	108	4.159	4.159	(1.133)	337953	50.0000	56.91
40	o-Toluidine	106	4.128	4.128	(1.124)	31156	50.0000	3.176
41	n-Nitrosomorpholine	56	4.148	4.148	(1.130)	194602	50.0000	43.34
43	N-Nitrosopiperidine	42	4.480	4.480	(0.882)	177805	50.0000	38.51
48	o,o,o-TEPT	198	4.874	4.874	(0.959)	130828	50.0000	53.06
53	a-,a-Dimethylphenethylamine	58	4.998	4.998	(0.984)	644763	50.0000	32.26
56	Hexachloropropene	213	5.247	5.247	(1.033)	145695	50.0000	60.40
58	p-Phenylenediamine	108	5.609	5.609	(1.104)	325769	50.0000	39.59
59	N-Nitroso-di-n-butylamine	84	5.641	5.641	(1.110)	210528	50.0000	50.81
55	2,6-Dichlorophenol	162	5.216	5.216	(1.027)	247513	50.0000	55.79
61	Safrole	162	5.837	5.837	(1.149)	234247	50.0000	53.26
65	1-Methylnaphthalene	142	6.045	6.045	(1.190)	643234	50.0000	52.84
67	1,2,4,5-Tetrachlorobenzene	216	6.159	6.159	(0.858)	217277	50.0000	50.24
68	Isosafrole#1	162	6.190	6.190	(0.863)	42709	50.0000	48.26
72	Isosafrole#2	162	6.449	6.449	(0.899)	246524	50.0000	50.19
64	1-Chloronaphthalene	162	6.521	6.521	(0.909)	547715	50.0000	48.95
62	Biphenyl	154	6.490	6.490	(0.905)	809122	50.0000	49.42
74	1,4-Naphthoquinone	158	6.708	6.708	(0.935)	231458	50.0000	50.76

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	6.812	6.812	(0.949)	110880	50.0000	71.16
78	1,4-Dinitrobenzene	168	6.946	6.946	(0.968)	122389	50.0000	60.85
160	1,2-Dinitrobenzene	168	7.091	7.091	(0.988)	85941	50.0000	59.93
85	Pentachlorobenzene	250	7.433	7.433	(1.036)	210801	50.0000	52.46
87	1-Naphtylamine	143	7.506	7.506	(1.046)	671993	50.0000	47.64
88	2,3,4,6-Tetrachlorophenol	232	7.620	7.620	(1.062)	152515	50.0000	60.73
89	2-Naphthylamine	143	7.599	7.599	(1.059)	722185	50.0000	48.93
90	2,3,5,6-Tetrachlorophenol	232	7.568	7.568	(1.055)	145448	50.0000	61.82
95	5-Nitro-o-toluidine	152	7.889	7.889	(1.100)	227655	50.0000	54.04
96	Thionazin	97	7.900	7.900	(1.101)	155305	50.0000	53.97
99	Diphenylamine	169	8.003	8.003	(0.883)	596484	50.0000	52.60
102	Sulfotepp	97	8.387	8.387	(0.926)	110996	50.0000	51.86
103	Diallate 1	86	8.449	8.449	(0.933)	266555	50.0000	45.92
104	1,3,5-Trinitrobenzene	120	8.449	8.449	(0.933)	41160	50.0000	74.09
105	Phorate	121	8.459	8.459	(2.304)	158402	50.0000	60.04
106	Diallate 2	86	8.553	8.553	(0.944)	53214	50.0000	46.99
107	Phenacetin	108	8.490	8.490	(0.937)	375640	50.0000	52.53
109	Dimethoate	87	8.687	8.687	(0.959)	247245	50.0000	52.30
111	4-Aminobiphenyl	169	8.832	8.832	(0.975)	716630	50.0000	50.09
112	Pentachloronitrobenzene	295	9.009	9.009	(0.994)	35117	50.0000	59.10
113	Pronamide	173	9.019	9.019	(0.995)	299527	50.0000	57.42
116	Disulfoton	88	9.185	9.185	(1.014)	360103	50.0000	48.80
117	2-sec-Butyl-4,6-dinitrophenol	211	9.205	9.205	(1.016)	172424	50.0000	78.33
119	Methyl Parathion	109	9.734	9.734	(2.651)	233609	50.0000	60.10
122	4-Nitroquinoline-1-oxide	190	10.304	10.304	(1.137)	104994	50.0000	79.72
123	Parathion	109	10.366	10.366	(1.144)	156747	50.0000	55.69
124	Methapyrilene	58	10.532	10.532	(1.162)	264860	50.0000	26.43
125	Isodrin	193	10.698	10.698	(0.800)	105839	50.0000	49.40
129	Aramite#1	185	11.713	11.713	(0.876)	55695	50.0000	69.77
130	Aramite#2	185	11.848	11.848	(0.886)	82199	50.0000	66.90
131	p-Dimthylaminoazobenzene	120	11.910	11.910	(0.891)	359311	50.0000	45.70
132	p-Chlorobenzilate	251	12.035	12.035	(1.328)	286425	50.0000	60.78
137	2-Acetylaminofluorene	181	12.936	12.936	(0.967)	490965	50.0000	66.62
143	Benzo(j)fluoranthene	252	15.185	15.185	(0.965)	850093	50.0000	51.81
146	7,12-Dimethylbenz(a)anthracene	256	15.206	15.206	(0.966)	424783	50.0000	47.18
149	3-Methylcholanthrene	268	16.242	16.242	(1.032)	517708	50.0000	54.77
150	Dibenz(a,j)acridine	279	17.040	17.040	(1.083)	740707	50.0000	52.79
M 154	Diallate (Total)	86				319769	50.0000	46.09
M 155	Isosafrole (Total)	162				289233	50.0000	49.89
M 156	Aramite (Total)	185				137894	50.0000	59.79
M 157	3 and 4-methylphenol	108				337953	50.0000	56.91
133	Kepone	272	12.418	12.418	(0.929)	42819	50.0000	25.35
135	Famphur	218	12.501	12.501	(0.935)	237968	50.0000	51.13

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP91121.D
Lab Smp Id: AP9_050 ug/ml CS-4
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\112110.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0324;0;8270F.M

Calibration Date: 19-NOV-2010
Calibration Time: 12:38
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	153414	17.84
2 Naphthalene-d8	576581	288291	1153162	704069	22.11
3 Acenaphthene-d10	314990	157495	629980	411309	30.58
4 Phenanthrene-d10	511426	255713	1022852	673135	31.62
5 Chrysene-d12	480980	240490	961960	675114	40.36
6 Perylene-d12	450650	225325	901300	689394	52.98

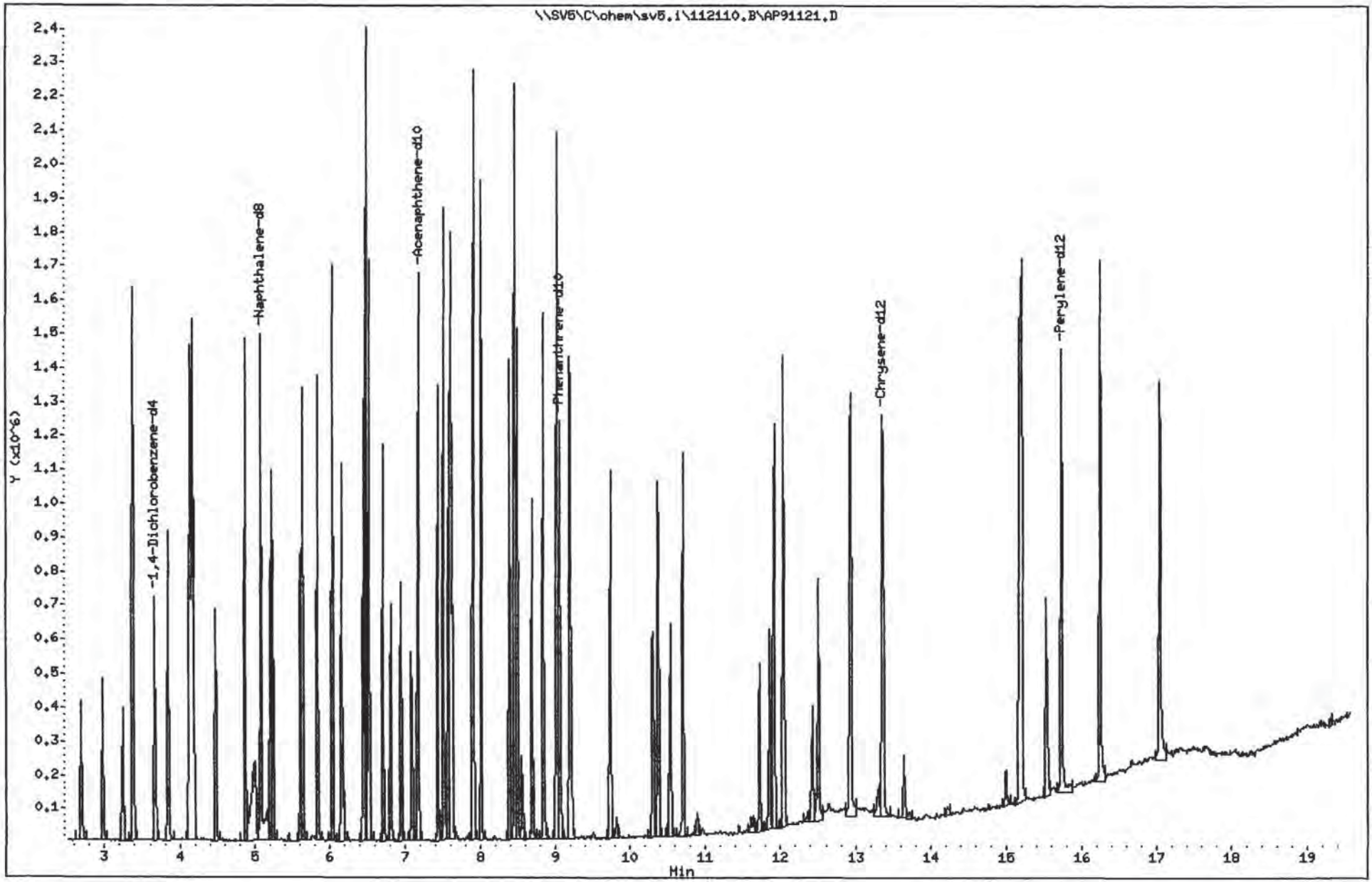
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.67	3.17	4.17	3.67	0.00
2 Naphthalene-d8	5.08	4.58	5.58	5.08	0.00
3 Acenaphthene-d10	7.17	6.67	7.67	7.17	0.00
4 Phenanthrene-d10	9.06	8.56	9.56	9.06	0.00
5 Chrysene-d12	13.37	12.87	13.87	13.37	0.00
6 Perylene-d12	15.73	15.23	16.23	15.73	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: \\SV5\C\ohem\sv5.i\112110.B\AP91121.D
Date : 21-NOV-2010 12:15
Client ID: 8270F,H
Sample Info: AP9_050 ug/ml CS-4;2;;4;;;;4

Instrument: sv5.i
Operator: KT
Column diameter: 2.00

Column phase:



Test America West Sacramento (916) 373 - 5600

TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.9577241	5.000	PASS
Benzidine	0.9141293	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	221711	12.8	20.5	PASS

****
*** PASSED ***
****

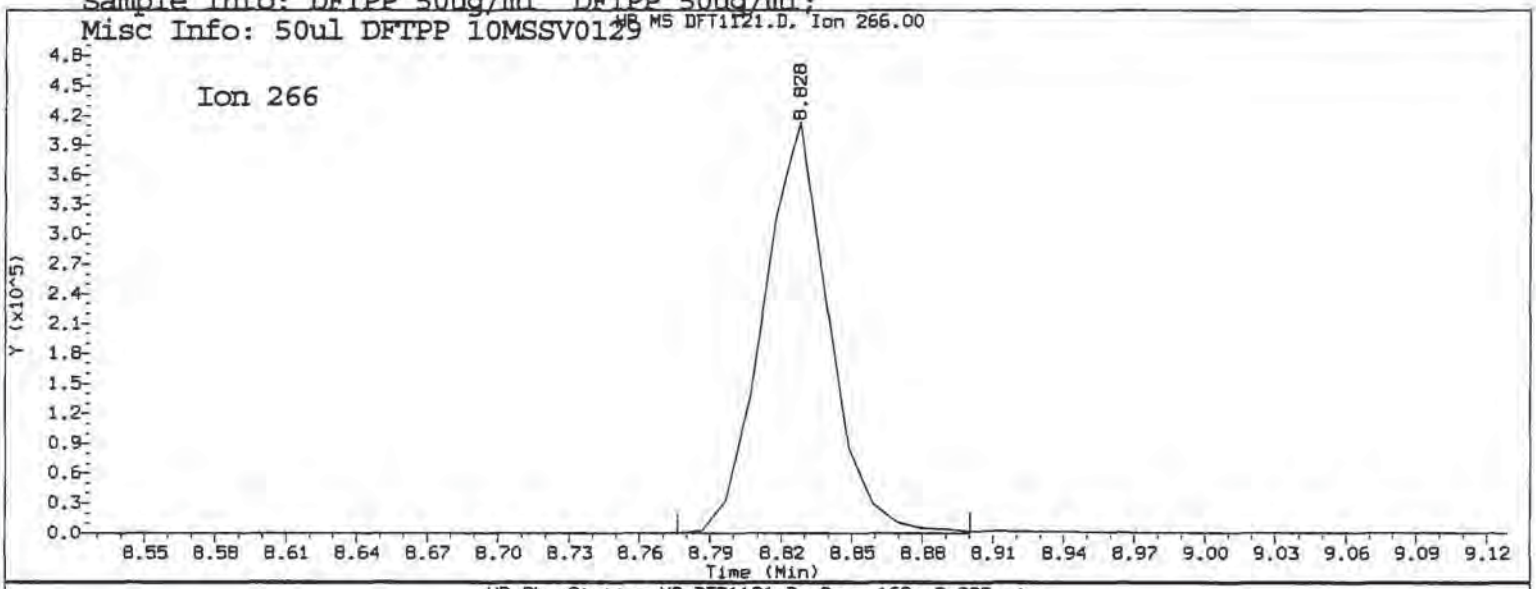
Sample //SV5/C/chem/sv5.i/112110.B/DFT1121.D/DFT1121.D

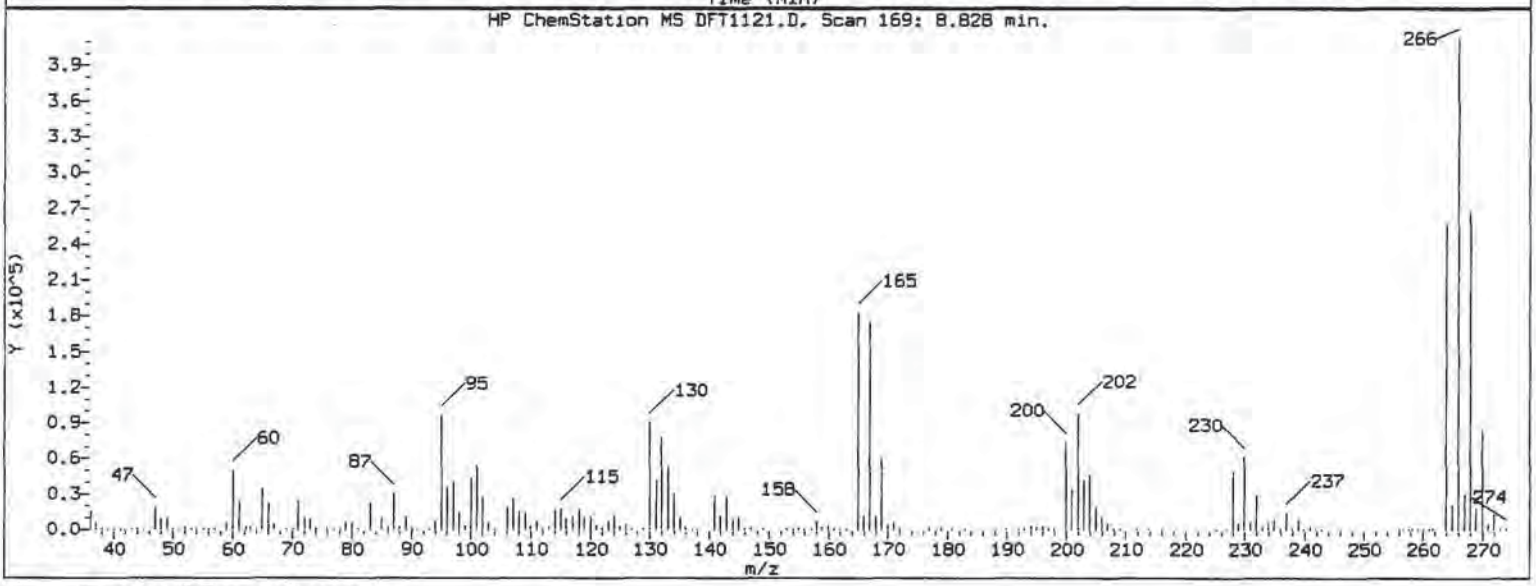
11/21/10

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/21/2010 13:39

Datafile Analyzed: //SV5/C/chem/sv5.i/112110.B/DFT1121.D/DFT1121.D
Method Used: \\SV5\C\chem\sv5.i\112110.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 21-NOV-2010 11:29 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129





Pentachlorophenol
==========
Exp. RT = 9.056
Found RT = 8.828

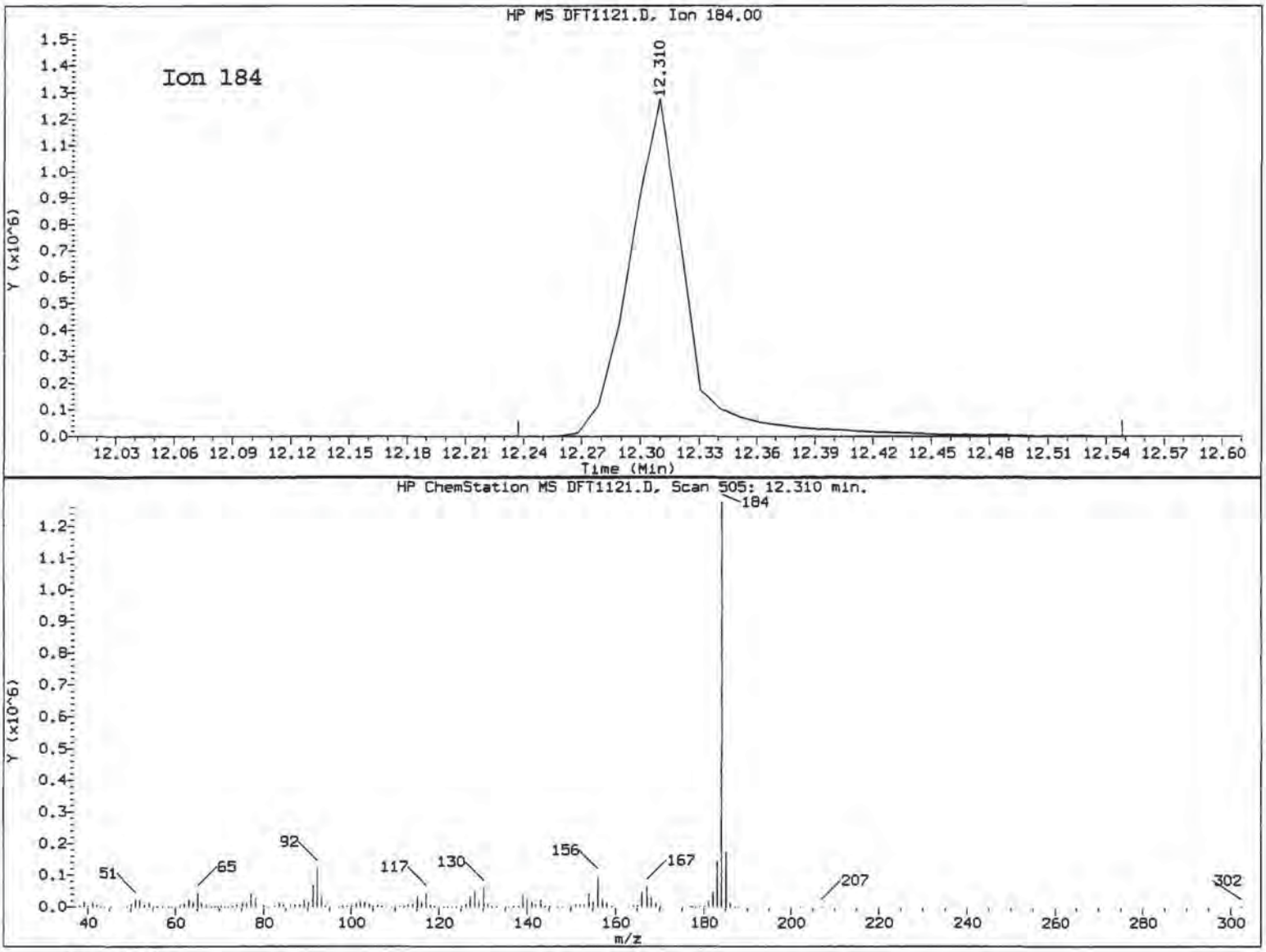
Time1 = 8.797514 Time2 = 8.827733 Time3 = 8.856675
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.958 Maximum Allowed = 5.0

Report Date: 11/21/2010 13:39

Datafile Analyzed: //SV5/C/chem/sv5.i/112110.B/DFT1121.D/DFT1121.D
Method Used: \\SV5\C\chem\sv5.i\112110.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 21-NOV-2010 11:29 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
=========
Exp. RT = 12.558
Found RT = 12.310

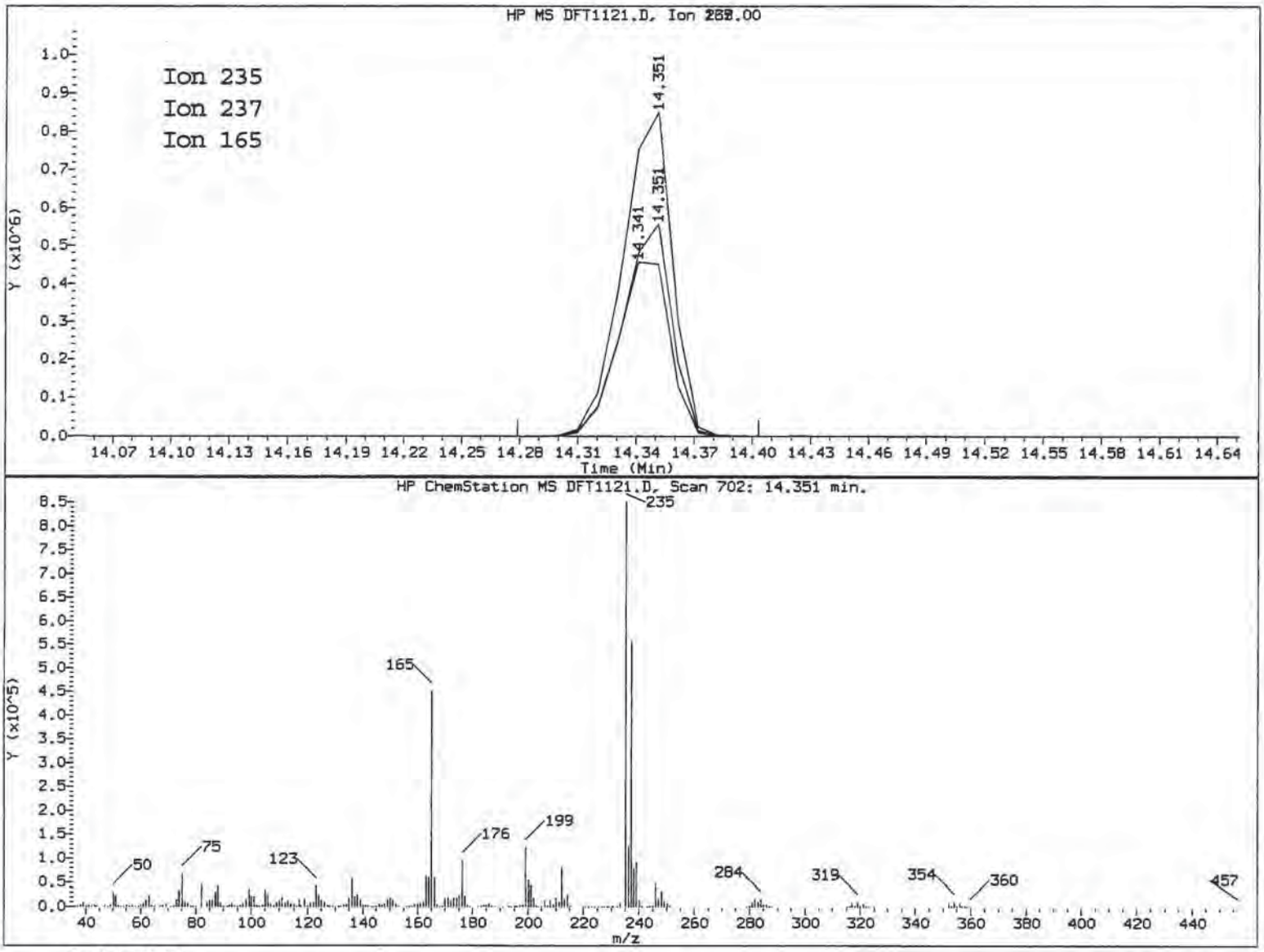
Time1 = 12.27898 Time2 = 12.3097 Time3 = 12.33778
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.914 Maximum Allowed = 3.0

Report Date: 11/21/2010 13:39

Datafile Analyzed: //SV5/C/chem/sv5.i/112110.B/DFT1121.D/DFT1121.D
Method Used: \\SV5\C\chem\sv5.i\112110.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 21-NOV-2010 11:29 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

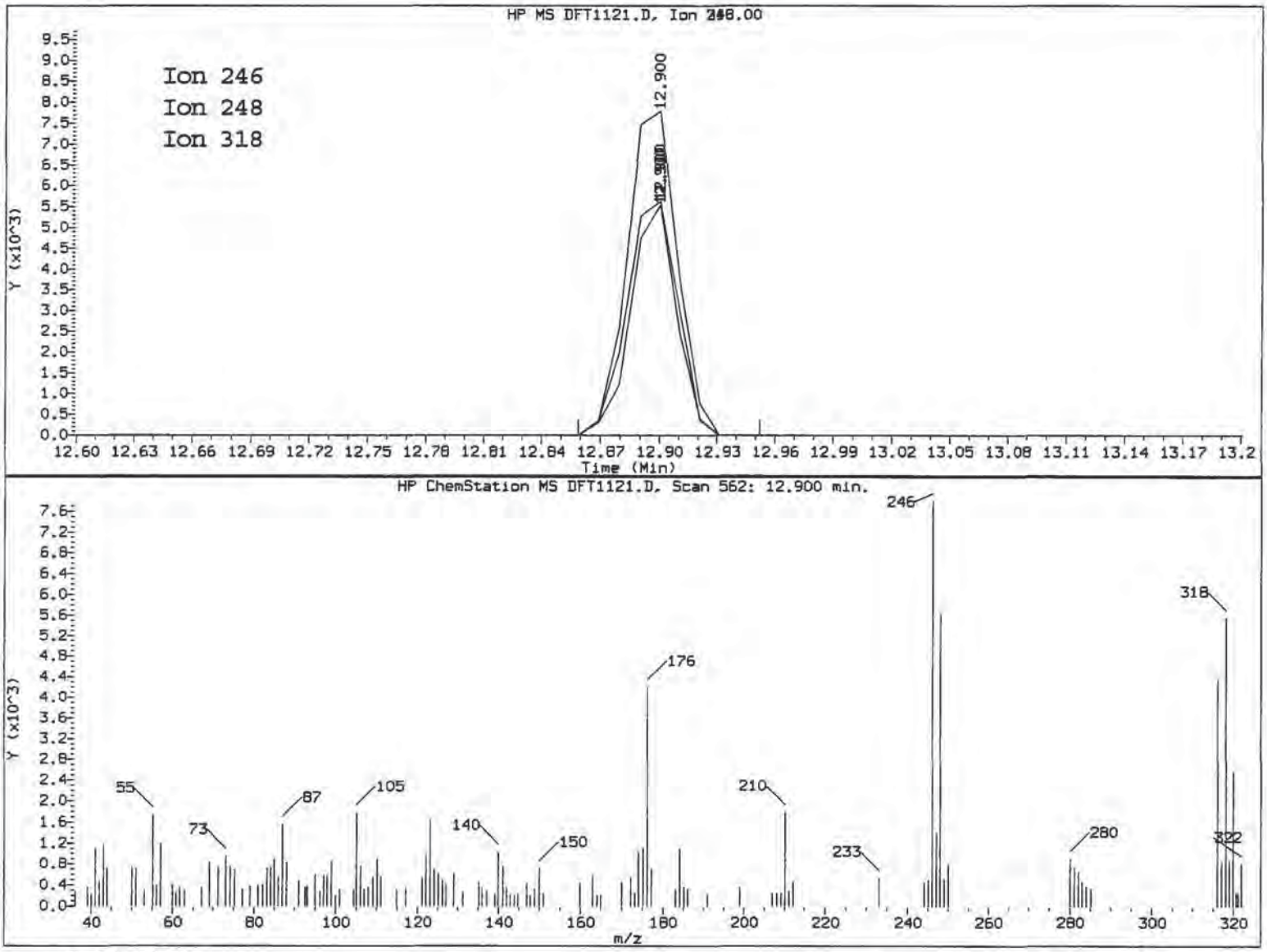


4,4'-DDT
========
Exp. RT = 14.590
Found RT = 14.351

Mass	Area	Ratio
235	1516833	100.00
237	977238	64.43
165	861175	56.77

Report Date: 11/21/2010 13:39

Datafile Analyzed: //SV5/C/chem/sv5.i/112110.B/DFT1121.D/DFT1121.D
Method Used: \\SV5\C\chem\sv5.i\112110.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 21-NOV-2010 11:29 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

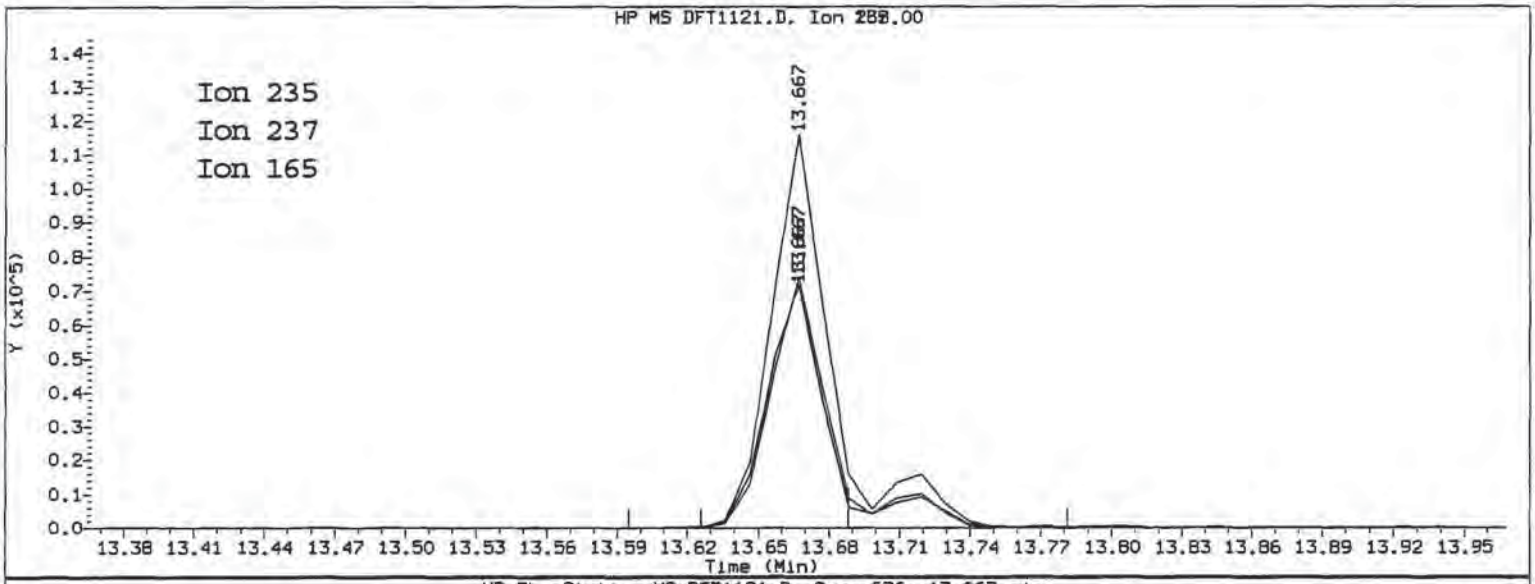


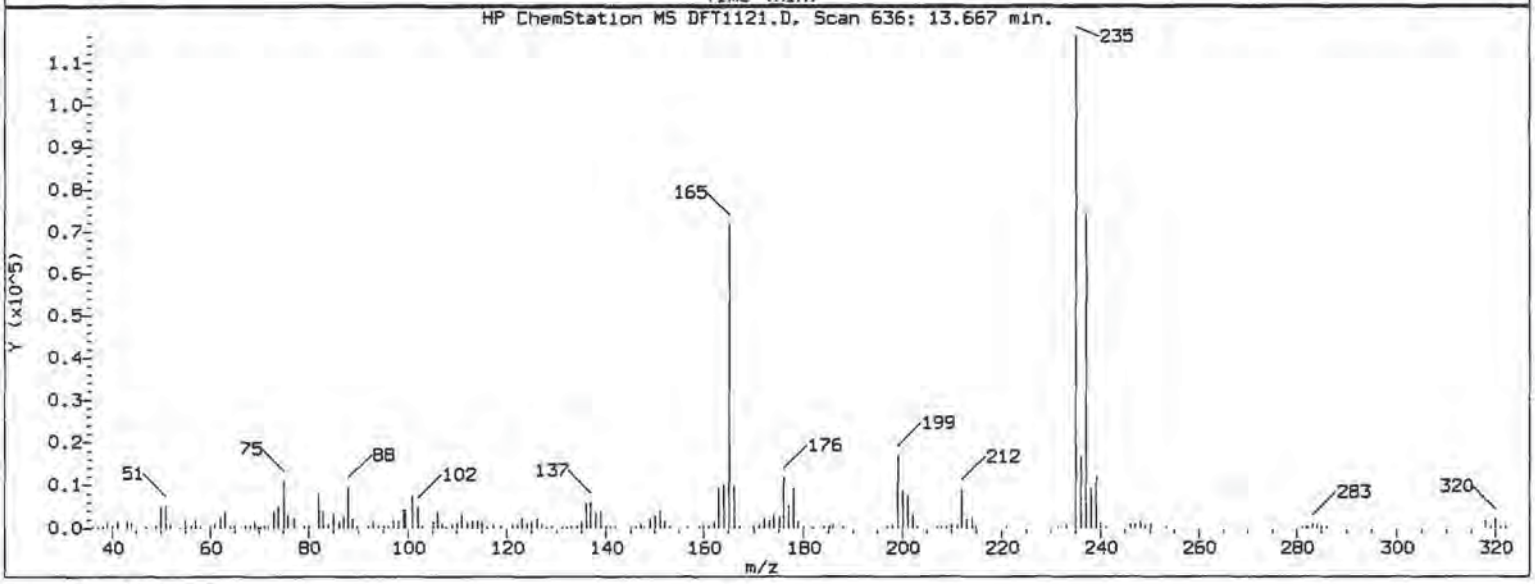
4,4'-DDE
========
 Exp. RT = 13.139
Found RT = 12.900

Mass	Area	Ratio
246	14063	100.00
248	10286	73.15
318	9097	64.69

Report Date: 11/21/2010 13:39

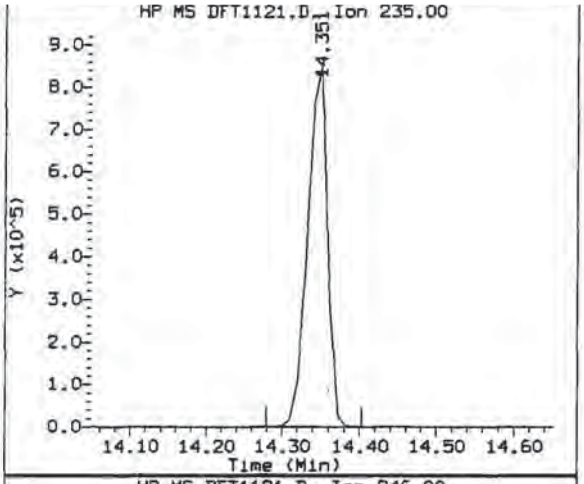
Datafile Analyzed: //SV5/C/chem/sv5.i/112110.B/DFT1121.D/DFT1121.D
Method Used: \\SV5\C\chem\sv5.i\112110.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 21-NOV-2010 11:29 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



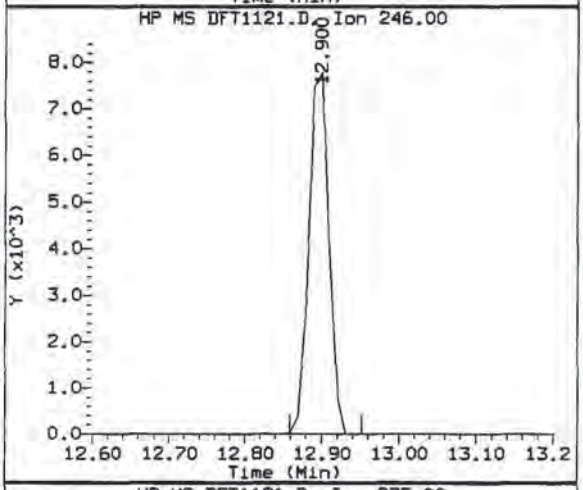


4,4'-DDD
========
Exp. RT = 13.906
Found RT = 13.667

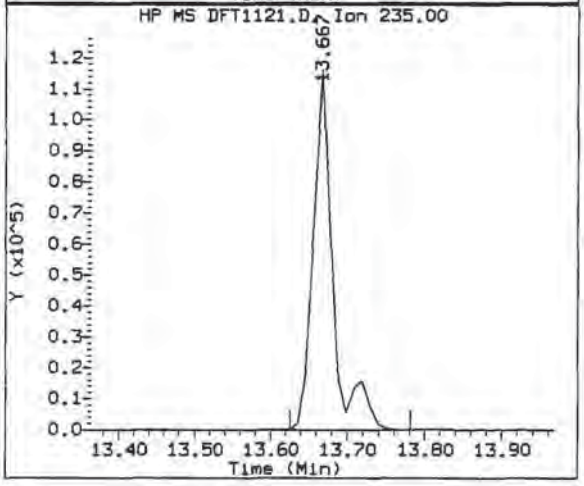
Mass	Area	Ratio
235	207648	100.00
237	132753	63.93
165	113946	54.87



Compound: 4,4'-DDT
Quant Mass: 235
RT: 14.351
Area: 1516833



Compound: 4,4'-DDE
Quant Mass: 246
RT: 12.900
Area: 14063



Compound: 4,4'-DDD
Quant Mass: 235
RT: 13.667
Area: 207648

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	221711	12.8	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\112110.B\DFT1121.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 21-NOV-2010 11:29
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\112110.B\DFTPP.m
Meth Date : 29-Oct-2010 10:57 onishim Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SV5

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
10.288	10.713	(0.000)	198	544192			0.00- 100.00	100.00
10.288	10.713	(0.000)	51	229824			30.00- 80.00	42.23
10.288	10.713	(0.000)	68	3518			0.00- 2.00	1.60
10.288	10.713	(0.000)	69	220544			0.00- 0.00	40.53
10.288	10.713	(0.000)	70	1182			0.00- 2.00	0.54
10.288	10.713	(0.000)	127	303872			25.00- 75.00	55.84
10.288	10.713	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
10.288	10.713	(0.000)	199	36304			5.00- 9.00	6.67
10.288	10.713	(0.000)	275	122200			10.00- 30.00	22.46
10.288	10.713	(0.000)	365	14488			0.75- 0.00	2.66
10.288	10.713	(0.000)	441	74608			0.01- 99.99	74.18
10.288	10.713	(0.000)	442	521344			40.00- 110.00	95.80
10.288	10.713	(0.000)	443	100576			15.00- 24.00	19.29

Data File: \\SV5\C\chem\sv5.i\112110.B\DFT1121.D

Date : 21-NOV-2010 11:29

Client ID:

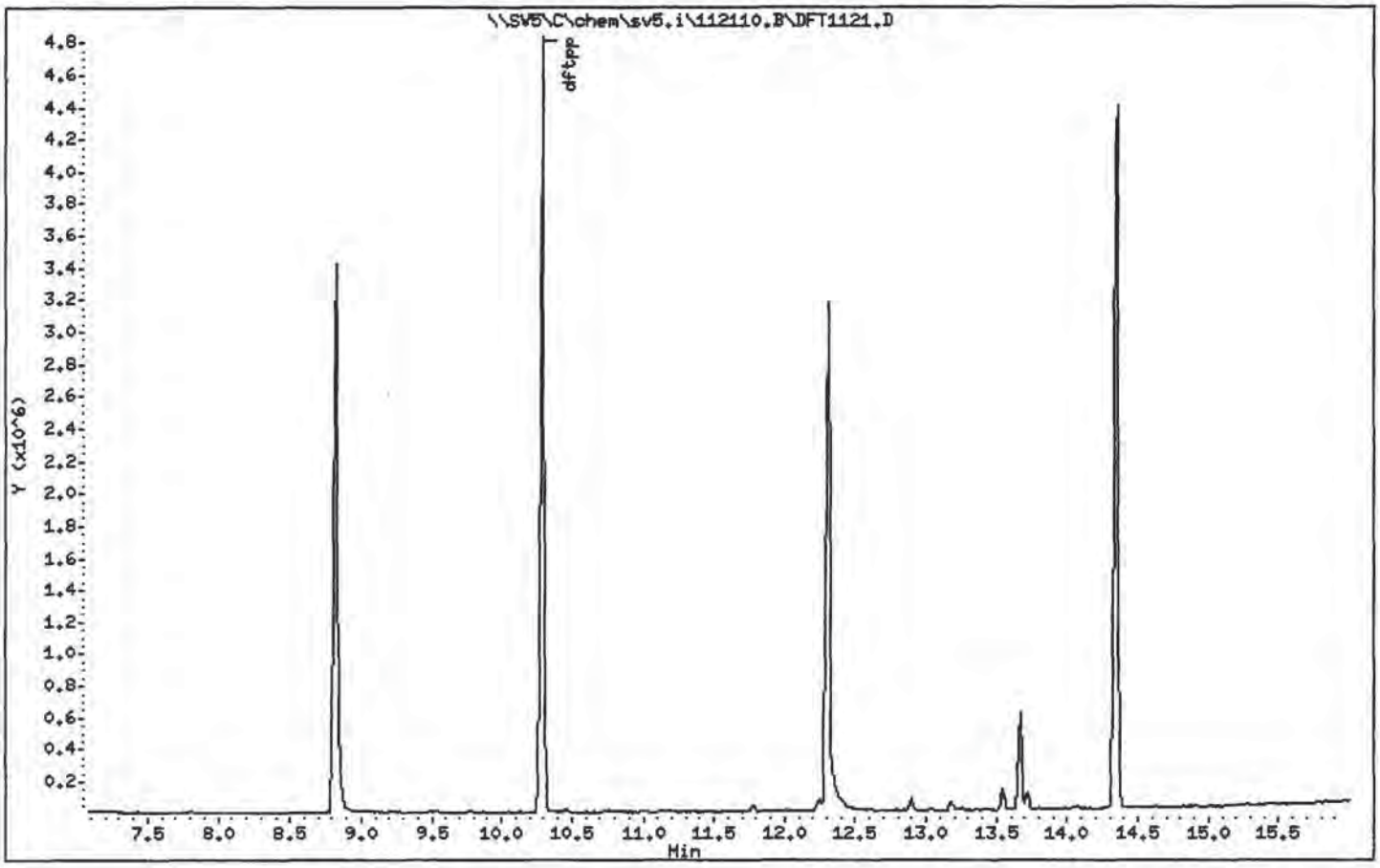
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\112110.B\DFT1121.D

Date : 21-NOV-2010 11:29

Client ID:

Instrument: sv5.i

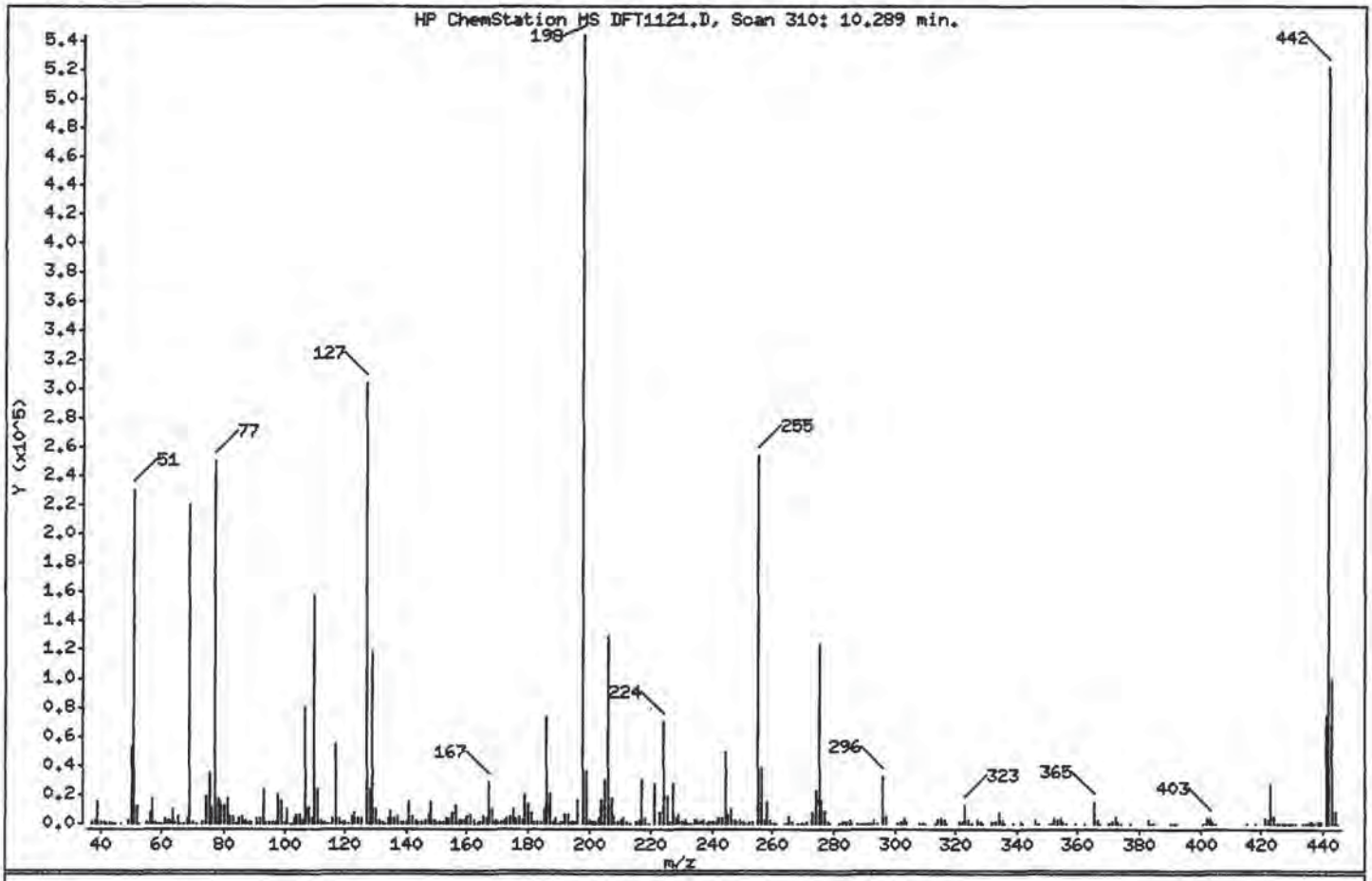
Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	42.23
68	Less than 2.00% of mass 69	0.65 (1.60)
69	Mass 69 relative abundance	40.53
70	Less than 2.00% of mass 69	0.22 (0.54)
127	25.00 - 75.00% of mass 198	55.84
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.67
275	10.00 - 30.00% of mass 198	22.46
365	Greater than 0.75% of mass 198	2.66
441	Present, but less than mass 443	13.71
442	40.00 - 110.00% of mass 198	95.80
443	15.00 - 24.00% of mass 442	18.48 (19.29)

Date : 21-NOV-2010 11:29

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1121.D
Spectrum: HP ChemStation MS DFT1121.D, Scan 310: 10.289 min.
Location of Maximum: 198.00
Number of points: 331

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	778	124.00	3837	206.10	128768	304.00	1326
38.10	2476	125.00	3722	207.10	16920	308.00	421
39.10	15542	127.00	303872	208.00	4422	308.90	416
40.00	1248	128.00	23160	209.00	1546	309.90	566
41.10	1286	129.00	118040	210.10	2026	313.10	292
41.90	234	130.00	9558	211.10	4163	314.10	1885
43.10	812	131.00	1878	212.20	650	315.00	3500
44.10	622	132.20	1196	213.10	509	316.00	2008
45.00	241	133.10	350	215.00	1450	317.10	582
47.00	201	134.00	3737	216.10	2783	321.00	1230
49.10	1967	135.00	8910	217.00	30400	322.10	951
50.10	52512	136.10	3398	218.00	3767	323.00	12237
51.10	229824	137.10	4907	219.00	394	324.10	2493
52.10	12192	138.10	960	221.00	27392	325.10	238
52.90	536	139.10	703	223.00	8071	326.90	2882
55.10	1266	140.00	1413	224.10	69504	328.10	1418
56.00	7486	141.00	15521	225.10	18920	329.00	346
57.00	17464	142.00	4954	226.10	1291	331.90	838
58.00	814	143.00	3030	227.00	27648	333.10	804
59.00	306	144.00	1166	228.00	3644	334.00	7071
60.10	349	145.00	904	229.00	6312	335.10	2430
61.00	3268	146.00	2326	230.10	1124	336.00	417
62.00	2811	147.00	6121	231.00	2253	339.10	370
63.10	9825	148.00	14733	232.00	359	341.00	1556
64.00	1652	149.10	2849	232.90	265	342.00	232
65.10	4971	149.90	899	234.00	2659	345.90	2336
66.00	527	151.10	1680	235.00	2223	347.10	593
67.20	384	151.90	1629	236.00	1227	350.90	381
68.10	3518	153.00	4258	237.00	2053	352.00	3678
69.00	220544	154.00	3630	238.10	226	353.00	2680
70.10	1182	155.00	7909	239.00	1286	354.10	3505
71.10	347	156.00	12136	240.10	751	354.90	922
73.00	1525	157.10	2393	241.10	1308	356.10	328
74.00	19312	158.00	2034	242.10	3211	359.00	290
75.00	34496	159.00	2086	243.10	3873	362.30	260

Data File: \\SV5\C\chem\sv5.i\112110.B\DFT1121.D

Date : 21-NOV-2010 11:29

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1121.D

Spectrum: HP ChemStation MS DFT1121.D, Scan 310: 10.289 min.

Location of Maximum: 198.00

Number of points: 331

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.10	10702	160.00	4670	244.10	50656	365.00	14488
77.10	250176	161.00	5920	245.10	6872	366.10	2019
78.10	17600	162.00	1896	246.00	10539	367.10	247
79.00	14935	163.10	340	247.00	2075	369.90	501
80.00	12404	163.90	968	248.00	647	371.10	1122
81.00	16904	165.00	4740	249.00	2125	372.00	5567
82.00	4588	166.10	4010	250.10	634	373.10	1338
83.00	4791	167.00	28672	250.90	341	374.00	220
84.00	542	168.00	10585	252.10	1039	377.10	223
85.00	3463	169.00	2180	253.10	1318	383.00	2040
86.00	4740	170.00	925	255.00	254208	383.90	421
87.00	2167	171.00	1071	256.00	38528	384.90	265
88.10	673	172.00	2486	257.10	3088	390.00	580
89.10	788	173.00	3356	258.00	14768	391.10	608
91.00	3189	174.00	5430	259.00	2812	391.90	452
92.00	3686	175.00	10576	260.10	493	400.90	618
93.00	23848	176.00	3501	260.80	405	402.00	3283
94.00	1797	177.00	4481	264.00	450	403.00	3858
95.10	822	178.10	2142	265.00	5405	404.00	1598
96.10	1162	179.00	19992	266.00	635	405.10	330
97.20	1030	180.00	13198	268.20	275	415.00	489
98.00	19984	181.00	6987	269.40	317	418.30	237
99.00	16632	182.00	1082	270.10	606	421.00	3651
100.00	1501	182.70	393	271.00	964	421.90	2801
101.00	10374	183.20	629	273.00	8046	423.00	27952
102.10	472	184.10	1525	274.00	22456	424.00	5224
103.00	4079	185.10	9636	275.00	122200	425.10	444
104.00	5660	186.10	74288	276.10	16472	426.00	371
105.00	6146	187.10	20976	277.00	9324	427.00	318
106.00	2582	188.10	1731	278.00	1485	427.60	233
107.00	79976	189.10	3272	278.90	300	428.70	272
108.00	11694	190.00	601	282.00	369	429.10	365
109.10	3594	191.00	1667	283.10	993	430.20	397
110.00	158016	192.00	5804	284.00	818	431.40	420
111.00	23824	193.00	6276	285.10	2000	433.80	305

Data File: \\SV5\C\chem\sv5.i\112110.B\DFT1121.D

Date : 21-NOV-2010 11:29

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1121.D
Spectrum: HP ChemStation MS DFT1121.D, Scan 310: 10.289 min.
Location of Maximum: 198.00
Number of points: 331

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	2857	194.10	1835	285.90	385	434.80	457
113.10	1228	194.70	978	287.90	216	435.70	948
114.10	326	195.10	948	288.90	504	436.60	704
114.80	602	196.10	16083	290.10	260	437.30	446
116.00	4364	198.00	544192	291.00	308	438.00	633
117.00	54968	199.00	36304	292.00	567	438.70	1064
118.00	4163	200.00	2297	293.00	2330	439.30	1473
119.10	662	201.10	1410	294.00	432	441.00	74608
119.90	1114	201.50	1839	296.00	32784	442.00	521344
120.90	305	202.10	1085	297.00	5123	443.00	100576
121.20	312	203.10	3631	301.00	488	444.10	8893
122.00	4951	204.00	16728	302.10	804	445.00	490
123.00	7407	205.10	30512	303.10	4186		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\112110.B\S112101.D
Lab Smp Id: MAC761AA G0K20000-0 Client Smp ID: 0324068
Inj Date : 21-NOV-2010 12:49
Operator : KT Inst ID: sv5.i
Smp Info : MAC761AA G0K20000-068B;0;;;;30;1000;5
Misc Info : 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\112110.B\8270f.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SACP307UM

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	95690	40.0000		(q)
*	2 Naphthalene-d8	136	5.081	5.081	(1.000)	413298	40.0000		
*	3 Acenaphthene-d10	164	7.174	7.174	(1.000)	216150	40.0000		
*	4 Phenanthrene-d10	188	9.050	9.050	(1.000)	339325	40.0000		
*	5 Chrysene-d12	240	13.361	13.371	(1.000)	311662	40.0000		
*	6 Perylene-d12	264	15.734	15.734	(1.000)	307667	40.0000		
$	7 2-Fluorophenol	112	2.469	2.459	(0.673)	135686	40.2285	1341	
$	8 Phenol-d5	99	3.350	3.350	(0.913)	172589	40.6919	1356	
$	11 Nitrobenzene-d5	82	4.293	4.293	(0.845)	141465	40.4119	1347	
$	12 2-Fluorobiphenyl	172	6.387	6.387	(0.890)	278079	39.9375	1331	
$	13 2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	43113	45.9014	1530	
$	14 Terphenyl-d14	244	11.630	11.630	(0.870)	318158	51.8264	1728	
	15 N-Nitrosodimethylamine	74	Compound Not Detected.						
	16 Pyridine	79	Compound Not Detected.						
	23 Aniline	93	Compound Not Detected.						
	24 Phenol	94	Compound Not Detected.						
	26 Bis(2-chloroethyl)ether	93	Compound Not Detected.						
	27 2-Chlorophenol	128	Compound Not Detected.						
	28 1,3-Dichlorobenzene	146	Compound Not Detected.						

11/22/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
29 1,4-Dichlorobenzene	146	Compound Not Detected.					
30 Benzyl Alcohol	108	Compound Not Detected.					
31 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
33 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
34 4-Methylphenol	108	Compound Not Detected.					
36 Hexachloroethane	117	Compound Not Detected.					
37 N-Nitrosodinpropylamine	70	Compound Not Detected.					
38 n-Nitrosopyrrolidine	100	Compound Not Detected.					
42 Nitrobenzene	77	Compound Not Detected.					
44 Isophorone	82	Compound Not Detected.					
45 2-Nitrophenol	139	Compound Not Detected.					
46 2,4-Dimethyphenol	107	Compound Not Detected.					
47 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
49 2,4-Dichlorophenol	162	Compound Not Detected.					
50 Benzoic Acid	122	Compound Not Detected.					
51 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
52 Naphthalene	128	Compound Not Detected.					
54 4-Chloroaniline	127	Compound Not Detected.					
55 2,6-Dichlorophenol	162	Compound Not Detected.					
57 Hexachlorobutadiene	225	Compound Not Detected.					
60 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
63 2-Methylnaphthalene	142	Compound Not Detected.					
66 Hexachlorocyclopentadiene	237	Compound Not Detected.					
69 2,4,6-Trichlorophenol	196	Compound Not Detected.					
70 2,4,5-Trichlorphenol	196	Compound Not Detected.					
71 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 Acenaphthylene	152	Compound Not Detected.					
79 2,6-Dinitrotoluene	165	Compound Not Detected.					
80 3-Nitroaniline	138	Compound Not Detected.					
81 Acenaphthene	153	Compound Not Detected.					
82 2,4-Dinitrophenol	184	Compound Not Detected.					
83 Dibenzofuran	168	Compound Not Detected.					
84 4-Nitrophenol	109	Compound Not Detected.					
86 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 Fluorene	166	Compound Not Detected.					
92 Diethylphthalate	149	Compound Not Detected.					
93 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
94 4-Nitroaniline	138	Compound Not Detected.					
97 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
98 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 Azobenzene	77	Compound Not Detected.					
101 4-Bromophenyl-phenylether	248	Compound Not Detected.					
108 Hexachlorobenzene	284	Compound Not Detected.					
110 Pentachlorophenol	266	Compound Not Detected.					
114 Phenanthrene	178	Compound Not Detected.					
115 Anthracene	178	Compound Not Detected.					
118 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
126 Fluoranthene	202	Compound Not Detected.					
127 Benzidine	184	Compound Not Detected.					
128 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
134	3,3'-dimethylbenzidine	212	Compound Not Detected.					
136	Butylbenzylphthalate	149	Compound Not Detected.					
138	Benzo(a)Anthracene	228	Compound Not Detected.					
139	Chrysene	228	Compound Not Detected.					
140	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
141	bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
142	Di-n-octylphthalate	149	Compound Not Detected.					
144	Benzo(b)fluoranthene	252	Compound Not Detected.					
145	Benzo(k)fluoranthene	252	Compound Not Detected.					
147	Benzo(e)pyrene	252	Compound Not Detected.					
148	Benzo(a)pyrene	252	Compound Not Detected.					
151	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
152	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
153	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 157	3 and 4-methylphenol	108	Compound Not Detected.					

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC761AA G0K20000-0 Client Smp ID: 0324068
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\sv5\c\chem\sv5.i\112110.B\8270f.m
Misc Info: 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	1667	1341	80.46	45-115
$ 8 Phenol-d5	1667	1356	81.38	44-117
$ 11 Nitrobenzene-d5	1667	1347	80.82	40-118
$ 12 2-Fluorobiphenyl	1667	1331	79.87	46-124
$ 13 2,4,6-Tribromophen	1667	1530	91.80	41-122
$ 14 Terphenyl-d14	1667	1728	103.65	44-120

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\112110.B\S112101.D
Lab Smp Id: MAC761AA G0K20000-0 Client Smp ID: 0324068
Inj Date : 21-NOV-2010 12:49
Operator : KT Inst ID: sv5.i
Smp Info : MAC761AA G0K20000-068B;0;;;;30;1000;5
Misc Info : 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\112110.B\8270F.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	95690	40.0000		(q)
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	413298	40.0000		
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	216150	40.0000		
* 4	Phenanthrene-d10	188	9.050	9.050	(1.000)	339325	40.0000		
* 5	Chrysene-d12	240	13.361	13.371	(1.000)	311662	40.0000		
* 6	Perylene-d12	264	15.734	15.734	(1.000)	307667	40.0000		
$ 7	2-Fluorophenol	112	2.469	2.459	(0.673)	135686	40.2285	1341	
$ 8	Phenol-d5	99	3.350	3.350	(0.913)	172589	40.6919	1356	
$ 11	Nitrobenzene-d5	82	4.293	4.293	(0.845)	141465	40.4119	1347	
$ 12	2-Fluorobiphenyl	172	6.387	6.387	(0.890)	278079	39.9375	1331	
$ 13	2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	43113	45.9014	1530	
$ 14	Terphenyl-d14	244	11.630	11.630	(0.870)	318158	51.8264	1728	
15	N-Nitrosodimethylamine	74	Compound Not Detected.						
16	Pyridine	79	Compound Not Detected.						
23	Aniline	93	Compound Not Detected.						
24	Phenol	94	Compound Not Detected.						
26	Bis(2-chloroethyl)ether	93	Compound Not Detected.						
27	2-Chlorophenol	128	Compound Not Detected.						
28	1,3-Dichlorobenzene	146	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
29	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	Benzyl Alcohol	108	Compound Not Detected.					
31	1,2-Dichlorobenzene	146	Compound Not Detected.					
32	2-Methylphenol	108	Compound Not Detected.					
33	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
34	4-Methylphenol	108	Compound Not Detected.					
36	Hexachloroethane	117	Compound Not Detected.					
37	N-Nitrosodinpropylamine	70	4.293	4.169	(1.169)	17361	7.17254	239.1(Q)
38	n-Nitrosopyrrolidine	100	Compound Not Detected.					
42	Nitrobenzene	77	Compound Not Detected.					
44	Isophorone	82	Compound Not Detected.					
45	2-Nitrophenol	139	Compound Not Detected.					
46	2,4-Dimethyphenol	107	Compound Not Detected.					
47	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
49	2,4-Dichlorophenol	162	Compound Not Detected.					
50	Benzoic Acid	122	Compound Not Detected.					
51	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
52	Naphthalene	128	Compound Not Detected.					
54	4-Chloroaniline	127	Compound Not Detected.					
55	2,6-Dichlorophenol	162	Compound Not Detected.					
57	Hexachlorobutadiene	225	Compound Not Detected.					
60	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
63	2-Methylnaphthalene	142	Compound Not Detected.					
66	Hexachlorocyclopentadiene	237	Compound Not Detected.					
69	2,4,6-Trichlorophenol	196	Compound Not Detected.					
70	2,4,5-Trichlorphenol	196	Compound Not Detected.					
71	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
77	Acenaphthylene	152	Compound Not Detected.					
79	2,6-Dinitrotoluene	165	7.174	7.019	(1.000)	27999	17.1589	572.0(Q)
80	3-Nitroaniline	138	Compound Not Detected.					
81	Acenaphthene	153	Compound Not Detected.					
82	2,4-Dinitrophenol	184	Compound Not Detected.					
83	Dibenzofuran	168	Compound Not Detected.					
84	4-Nitrophenol	109	Compound Not Detected.					
86	2,4-Dinitrotoluene	165	7.174	7.475	(1.000)	27999	13.0734	435.8(Q)
91	Fluorene	166	Compound Not Detected.					
92	Diethylphthalate	149	Compound Not Detected.					
93	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
94	4-Nitroaniline	138	Compound Not Detected.					
97	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
98	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	Azobenzene	77	Compound Not Detected.					
101	4-Bromophenyl-phenylether	248	Compound Not Detected.					
108	Hexachlorobenzene	284	Compound Not Detected.					
110	Pentachlorophenol	266	Compound Not Detected.					
114	Phenanthrene	178	Compound Not Detected.					
115	Anthracene	178	Compound Not Detected.					
118	Carbazole	167	Compound Not Detected.					
120	Di-n-Butylphthalate	149	Compound Not Detected.					
126	Fluoranthene	202	Compound Not Detected.					
127	Benzidine	184	Compound Not Detected.					
128	Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
134	3,3'-dimethylbenzidine	212	Compound Not Detected.					
136	Butylbenzylphthalate	149	Compound Not Detected.					
138	Benzo(a)Anthracene	228	Compound Not Detected.					
139	Chrysene	228	Compound Not Detected.					
140	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
141	bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
142	Di-n-octylphthalate	149	Compound Not Detected.					
144	Benzo(b)fluoranthene	252	Compound Not Detected.					
145	Benzo(k)fluoranthene	252	Compound Not Detected.					
147	Benzo(e)pyrene	252	Compound Not Detected.					
148	Benzo(a)pyrene	252	Compound Not Detected.					
151	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
152	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
153	Benzo(g,h,i)perylene	276	Compound Not Detected.					
M 157	3 and 4-methylphenol	108	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S112101.D
Lab Smp Id: MAC761AA G0K20000-0
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M

Calibration Date: 21-NOV-2010
Calibration Time: 11:50
Client Smp ID: 0324068
Level: LOW
Sample Type: SOL

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	95690	-21.97
2 Naphthalene-d8	530514	265257	1061028	413298	-22.09
3 Acenaphthene-d10	282538	141269	565076	216150	-23.50
4 Phenanthrene-d10	462722	231361	925444	339325	-26.67
5 Chrysene-d12	435850	217925	871700	311662	-28.49
6 Perylene-d12	422284	211142	844568	307667	-27.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.67	3.17	4.17	3.67	0.00
2 Naphthalene-d8	5.08	4.58	5.58	5.08	0.00
3 Acenaphthene-d10	7.17	6.67	7.67	7.17	0.00
4 Phenanthrene-d10	9.05	8.55	9.55	9.05	0.00
5 Chrysene-d12	13.37	12.87	13.87	13.36	-0.08
6 Perylene-d12	15.73	15.23	16.23	15.73	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.

TestAmerica West Sacramento

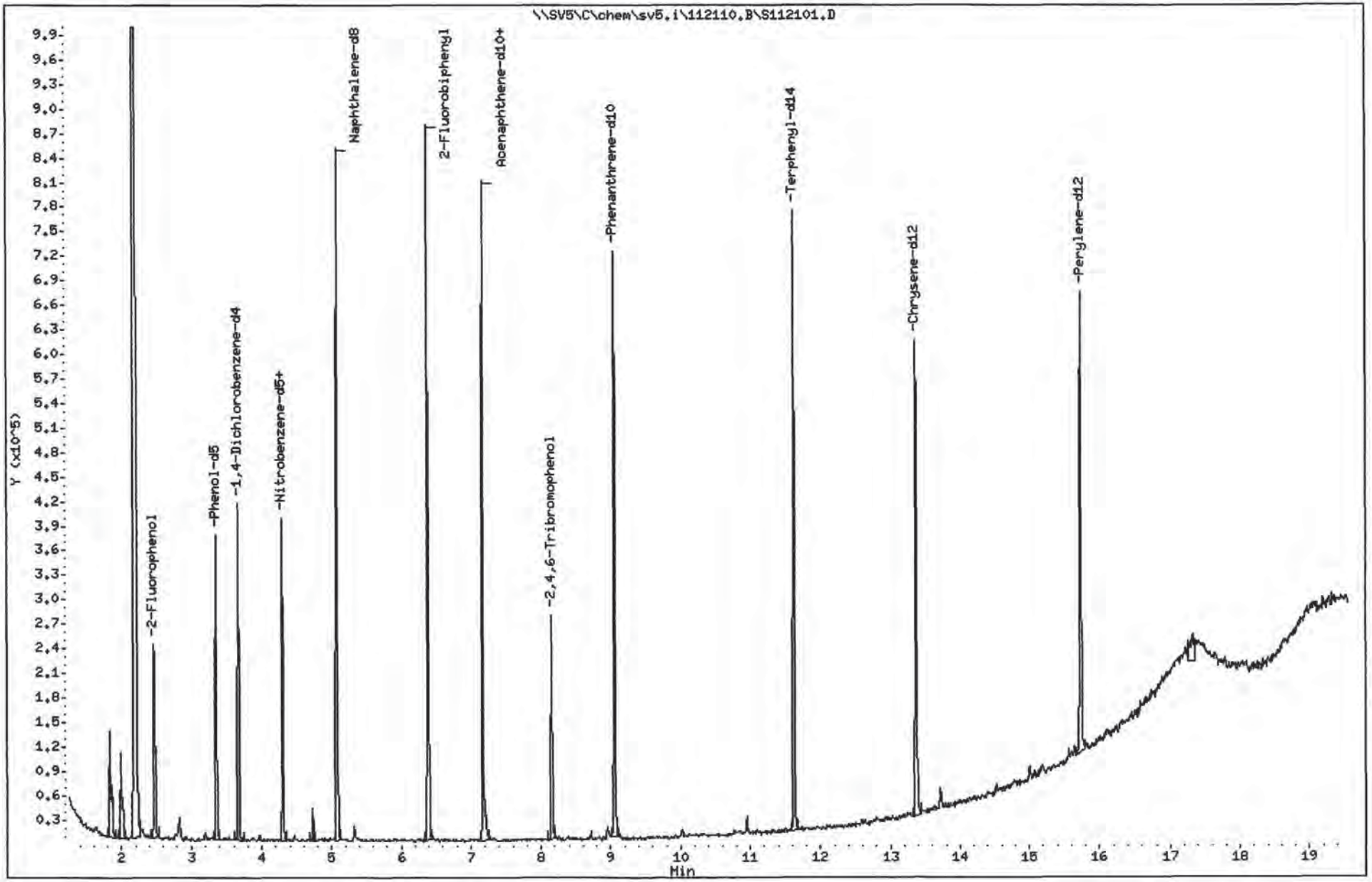
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC761AA G0K20000-0 Client Smp ID: 0324068
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	1667	1341	80.46	45-115
$ 8 Phenol-d5	1667	1356	81.38	44-117
$ 11 Nitrobenzene-d5	1667	1347	80.82	40-118
$ 12 2-Fluorobiphenyl	1667	1331	79.87	46-124
$ 13 2,4,6-Tribromophen	1667	1530	91.80	41-122
$ 14 Terphenyl-d14	1667	1728	103.65	44-120

Data File: \\SV5\C\chem\sv5.i\112110.B\S112101.D
Date : 21-NOV-2010 12:49
Client ID: 0324068
Sample Info: HAC761AA G0K20000-068B;0;;;;30;1000;5
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i
Operator: KT
Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\112110.B\S112101.D

Date : 21-NOV-2010 12:49

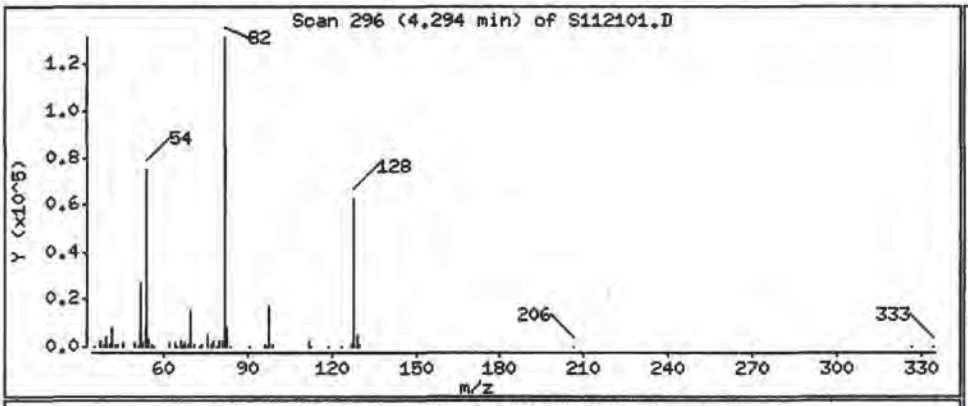
Client ID: 0324068 Instrument: sv5.i

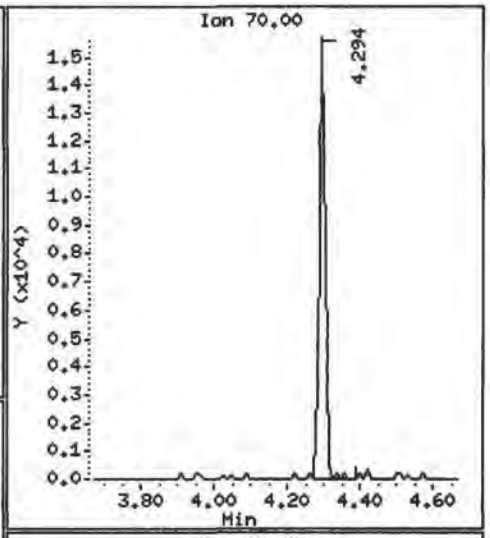
Sample Info: MAC761AA G0K20000-068B;0;;;;30;1000;5

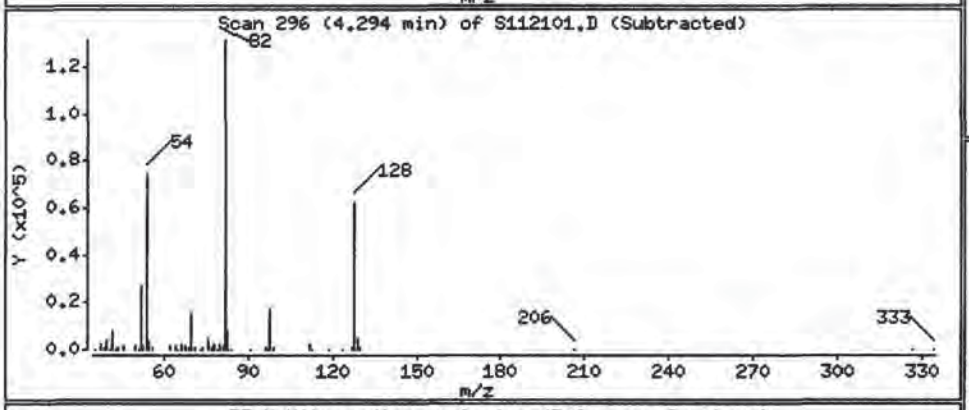
Volume Injected (uL): 1.0 Operator: KT

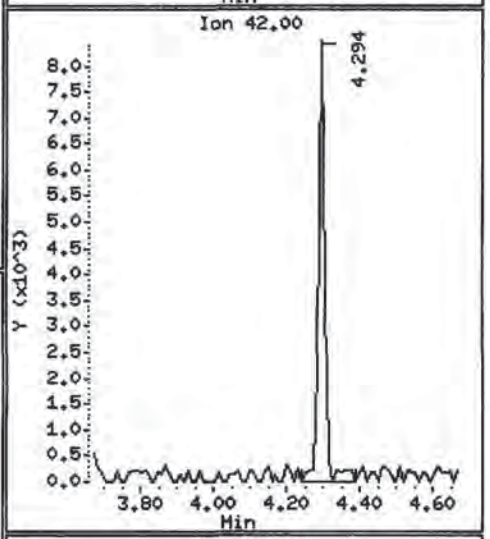
Column phase: Column diameter: 2.00

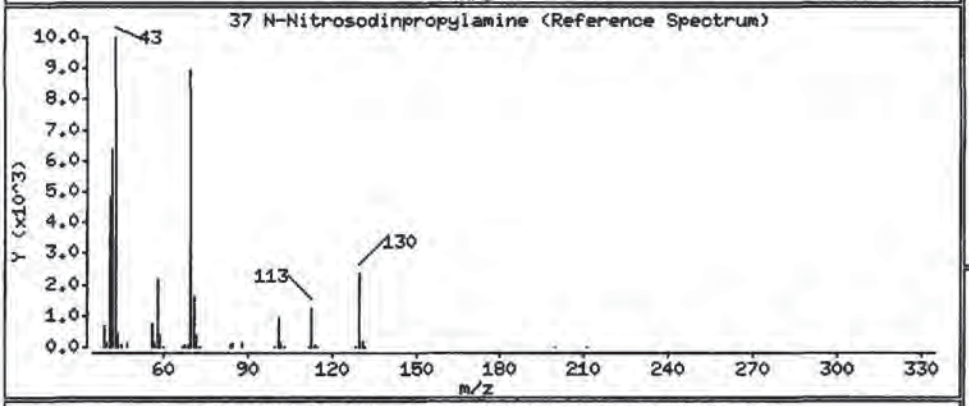
37 N-Nitrosodinpropylamine Concentration: 239.1 ug/Kg

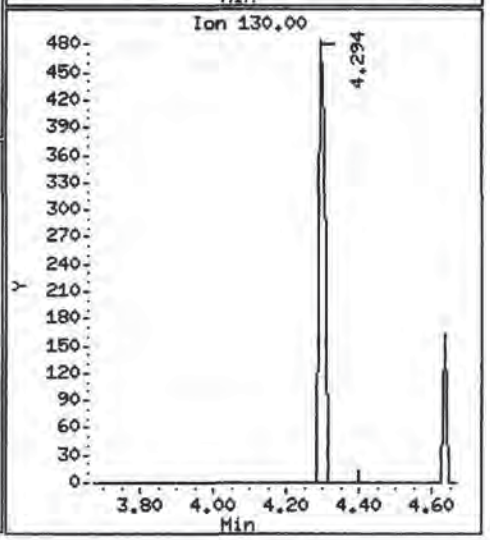


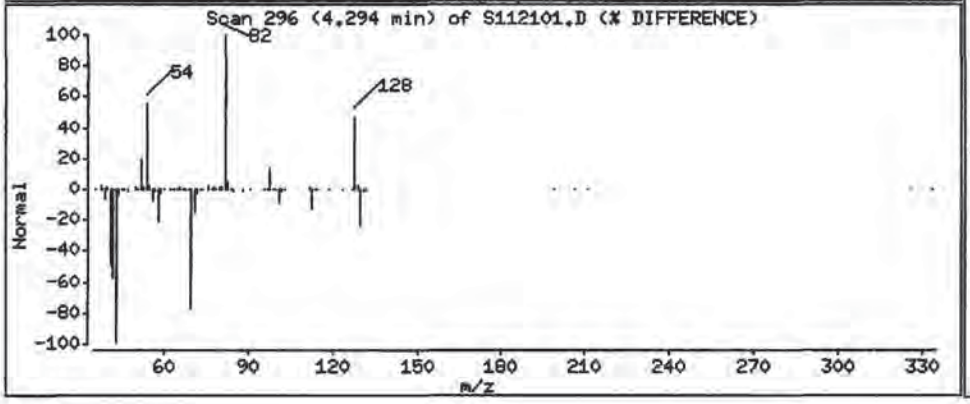












Data File: \\SV5\C\chem\sv5.i\112110.B\S112101.D

Date : 21-NOV-2010 12:49

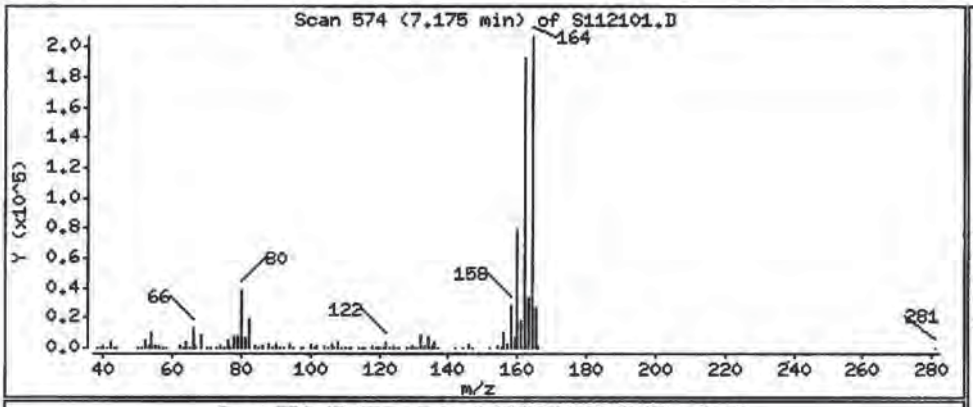
Client ID: 0324068 Instrument: sv5.i

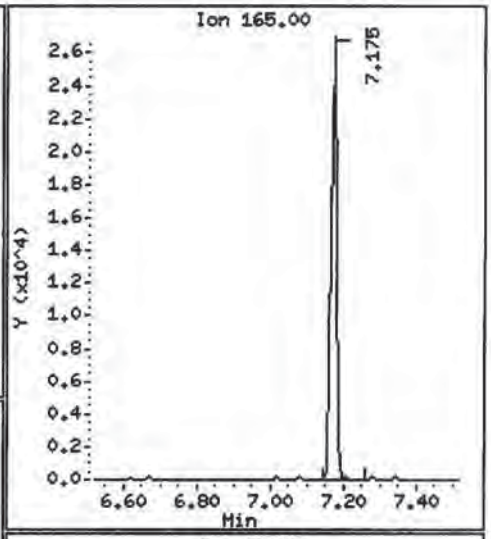
Sample Info: MAC761AA G0K20000-068B;0;;;;30;1000;5

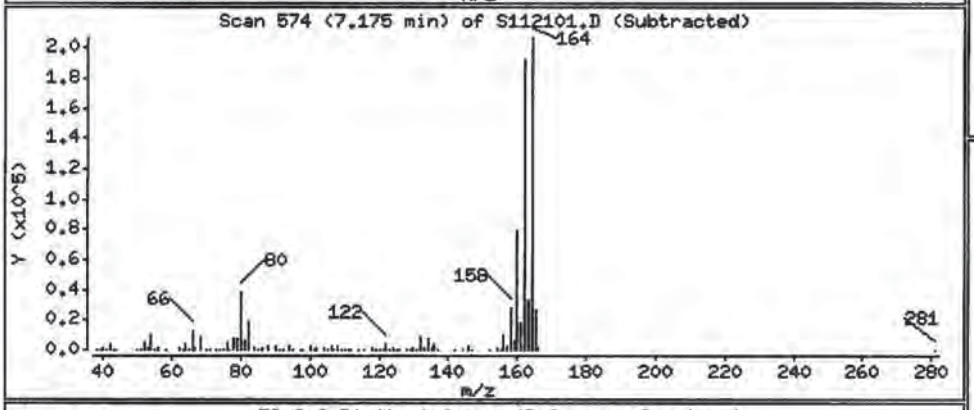
Volume Injected (uL): 1.0 Operator: KT

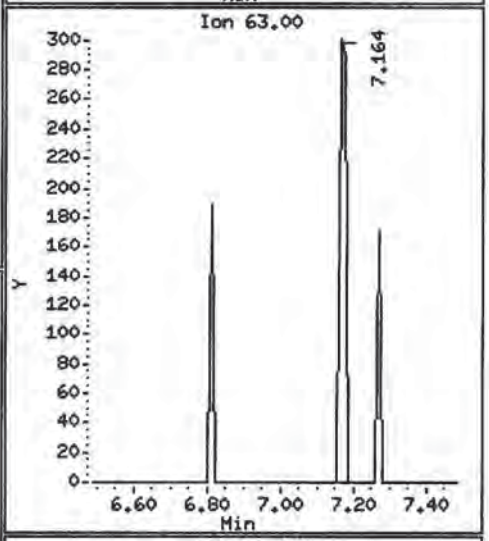
Column phase: Column diameter: 2.00

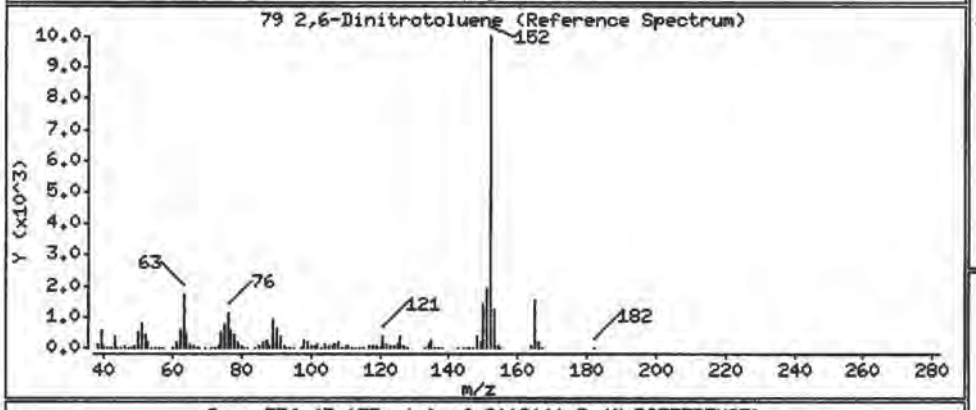
79 2,6-Dinitrotoluene Concentration: 572.0 ug/Kg

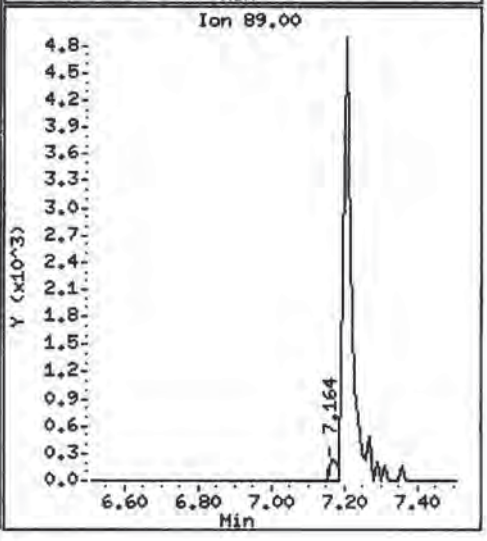


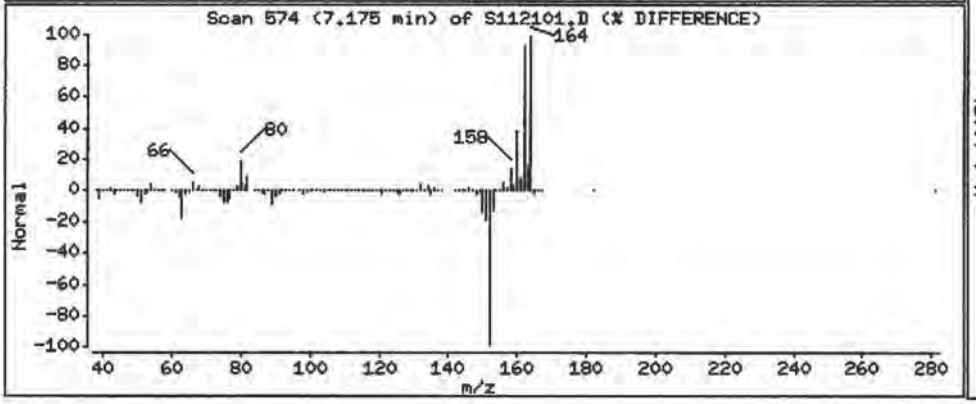












Data File: \\SV5\C\chem\sv5.i\112110.B\S112101.D

Date : 21-NOV-2010 12:49

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC761AA G0K20000-068B:0:::::30:1000:5

Volume Injected (uL): 1.0

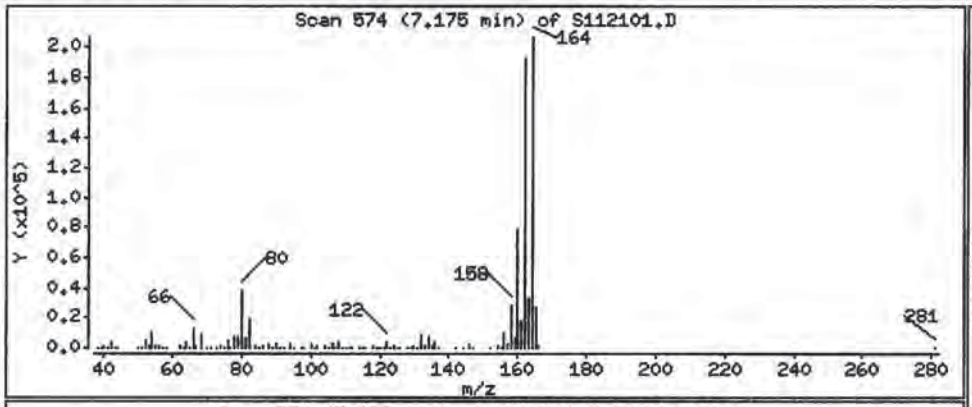
Operator: KT

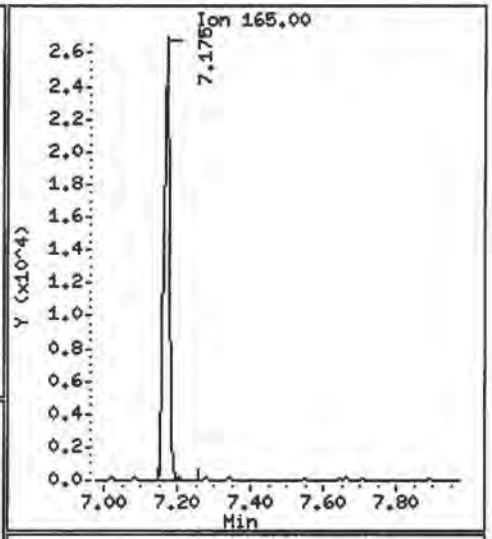
Column phase:

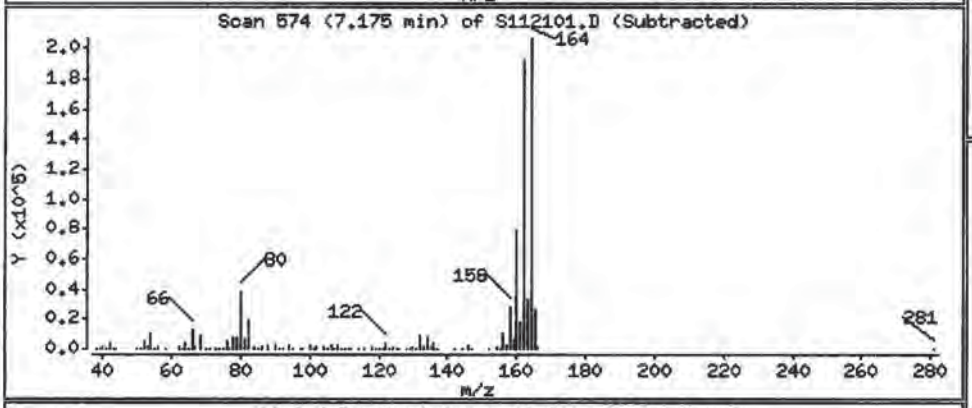
Column diameter: 2.00

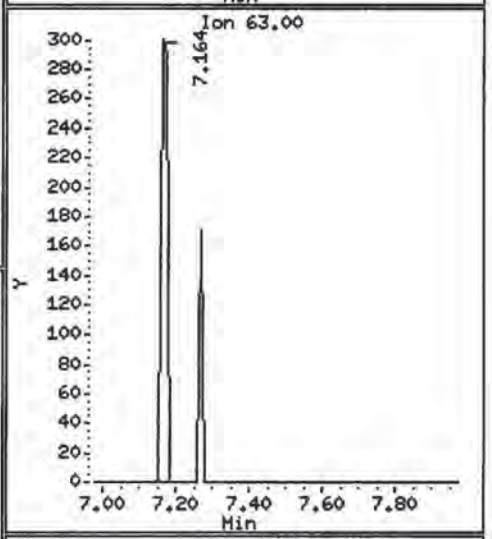
86 2,4-Dinitrotoluene

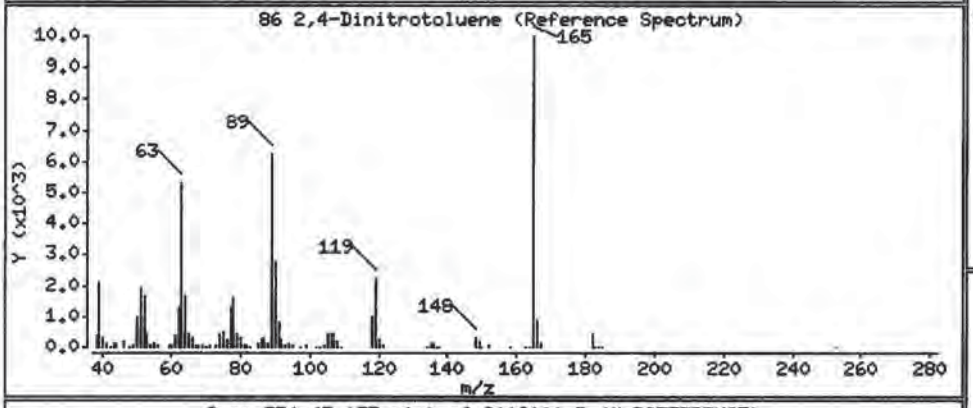
Concentration: 435.8 ug/Kg

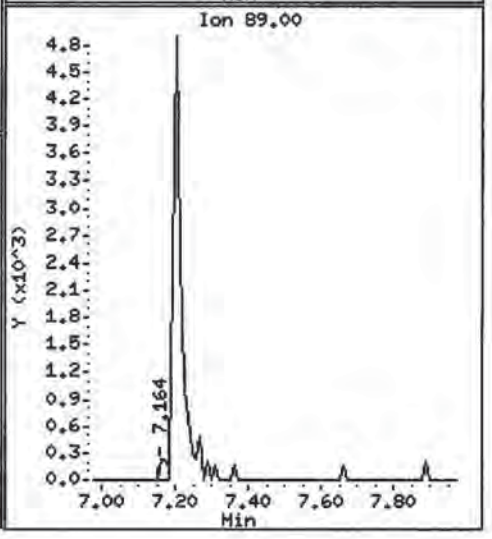


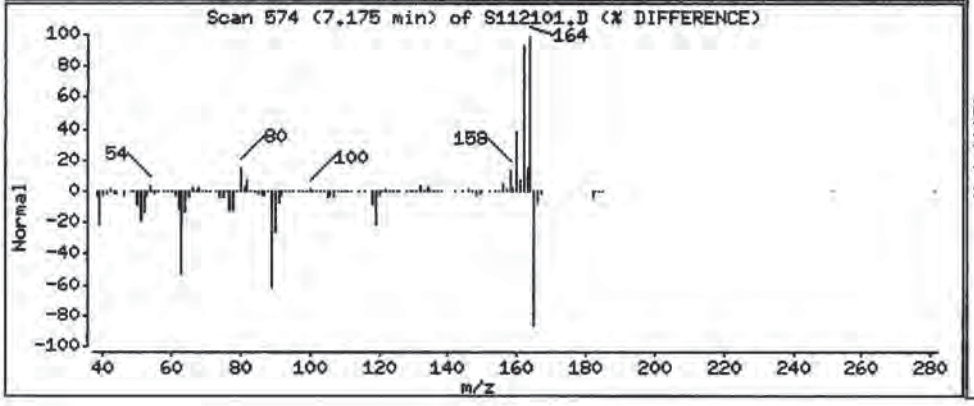












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\112110.B\S112102.D
Lab Smp Id: MAC761AC G0K20000-0
Inj Date : 21-NOV-2010 13:14
Operator : KT Inst ID: sv5.i
Smp Info : MAC761AC G0K20000-068C;3;LCS;;;30;1000;2
Misc Info : 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\112110.B\8270f.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SACP307UM

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	99010	40.0000	(q)
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	422709	40.0000	
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	218617	40.0000	
* 4	Phenanthrene-d10	188	9.050	9.050	(1.000)	353424	40.0000	
* 5	Chrysene-d12	240	13.371	13.371	(1.000)	353503	40.0000	
* 6	Perylene-d12	264	15.734	15.734	(1.000)	348481	40.0000	
$ 7	2-Fluorophenol	112	2.470	2.459	(0.673)	155399	44.5281	1484
$ 8	Phenol-d5	99	3.350	3.350	(0.913)	202100	46.0520	1535
$ 11	Nitrobenzene-d5	82	4.293	4.293	(0.845)	159733	44.6146	1487
$ 12	2-Fluorobiphenyl	172	6.387	6.387	(0.890)	342181	48.5892	1620
$ 13	2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	48929	51.5057	1717
$ 14	Terphenyl-d14	244	11.630	11.630	(0.870)	359820	51.6755	1722
15	N-Nitrosodimethylamine	74	1.433	1.433	(0.390)	170144	74.5903	2486(M)
16	Pyridine	79	1.444	1.454	(0.393)	231999	60.8182	2027(QM)
23	Aniline	93	3.371	3.371	(0.918)	328203	58.7550	1958(q)
24	Phenol	94	3.361	3.361	(0.915)	436260	86.5116	2884(q)
26	Bis(2-chloroethyl)ether	93	3.433	3.433	(0.935)	307545	86.9723	2899
27	2-Chlorophenol	128	3.485	3.485	(0.949)	336557	86.9472	2898
28	1,3-Dichlorobenzene	146	3.630	3.630	(0.989)	347568	82.4348	2748

11/22/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
29	1,4-Dichlorobenzene	146	3.682	3.682	(1.003)	361971	82.1008	2737
30	Benzyl Alcohol	108	3.837	3.848	(1.045)	235218	90.4157	3014
31	1,2-Dichlorobenzene	146	3.879	3.889	(1.056)	342965	84.6172	2820
32	2-Methylphenol	108	3.993	3.993	(1.087)	309399	87.4030	2913
33	2,2'-oxybis(1-Chloropropane)	45	4.014	4.014	(1.093)	496910	88.2947	2943
34	4-Methylphenol	108	4.159	4.159	(1.133)	670765	178.395	5946(A)
36	Hexachloroethane	117	4.211	4.210	(1.147)	123765	82.4603	2749
37	N-Nitrosodinpropylamine	70	4.169	4.169	(1.135)	223318	89.1681	2972
38	n-Nitrosopyrrolidine	100	Compound Not Detected.					
42	Nitrobenzene	77	4.314	4.314	(0.849)	313488	89.5771	2986
44	Isophorone	82	4.584	4.583	(0.902)	612082	90.9563	3032
45	2-Nitrophenol	139	4.677	4.677	(0.920)	194203	93.5323	3118
46	2,4-Dimethyphenol	107	4.749	4.749	(0.935)	308244	83.5497	2785
47	Bis(2-chloroethoxy)methane	93	4.853	4.853	(0.955)	347129	84.4241	2814
49	2,4-Dichlorophenol	162	4.946	4.946	(0.973)	270699	94.8375	3161
50	Benzoic Acid	122	4.863	4.874	(0.957)	117877	57.7228	1924
51	1,2,4-Trichlorobenzene	180	5.040	5.039	(0.992)	264527	85.5912	2853
52	Naphthalene	128	5.102	5.102	(1.004)	988844	84.7246	2824
54	4-Chloroaniline	127	5.205	5.205	(1.024)	318500	69.6250	2321
55	2,6-Dichlorophenol	162	Compound Not Detected.					
57	Hexachlorobutadiene	225	5.330	5.330	(1.049)	134379	88.8446	2961
60	4-Chloro-3-Methylphenol	107	5.806	5.806	(1.143)	309089	96.9661	3232
63	2-Methylnaphthalene	142	5.910	5.910	(1.163)	644927	87.9651	2932
66	Hexachlorocyclopentadiene	237	6.190	6.190	(0.863)	155313	95.2145	3174
69	2,4,6-Trichlorophenol	196	6.293	6.304	(0.877)	179558	102.946	3432
70	2,4,5-Trichlorphenol	196	6.345	6.345	(0.884)	200601	106.758	3559
71	2-Chloronaphthalene	162	6.490	6.490	(0.905)	576814	93.7531	3125
73	2-Nitroaniline	65	6.667	6.666	(0.929)	199440	106.954	3565
76	Dimethylphthalate	163	6.946	6.946	(0.968)	708101	99.9644	3332
77	Acenaphthylene	152	6.988	6.988	(0.974)	1103184	102.964	3432
79	2,6-Dinitrotoluene	165	7.019	7.019	(0.978)	168416	102.047	3402
80	3-Nitroaniline	138	7.164	7.164	(0.999)	198326	96.2771	3209
81	Acenaphthene	153	7.205	7.216	(1.004)	658621	96.5702	3219
82	2,4-Dinitrophenol	184	7.288	7.288	(1.016)	52076	53.3445	1778
83	Dibenzofuran	168	7.402	7.402	(1.032)	899307	99.3556	3312
84	4-Nitrophenol	109	7.413	7.413	(1.033)	97708	114.350	3812(q)
86	2,4-Dinitrotoluene	165	7.475	7.475	(1.042)	230583	106.450	3548
91	Fluorene	166	7.817	7.817	(1.090)	741758	98.9638	3299
92	Diethylphthalate	149	7.806	7.806	(1.088)	721238	99.4458	3315
93	4-Chlorophenyl-phenylether	204	7.848	7.848	(1.094)	313808	100.698	3356
94	4-Nitroaniline	138	7.910	7.910	(1.103)	215740	105.654	3522
97	4,6-Dinitro-2-methylphenol	198	7.972	7.972	(0.881)	89741	69.5234	2317
98	N-Nitrosodiphenylamine	169	8.003	8.003	(0.884)	500047	93.3467	3112
100	Azobenzene	77	8.034	8.034	(0.888)	677376	97.4628	3249
101	4-Bromophenyl-phenylether	248	8.470	8.470	(0.936)	171528	99.4194	3314
108	Hexachlorobenzene	284	8.646	8.646	(0.955)	189214	98.2041	3273
110	Pentachlorophenol	266	8.905	8.905	(0.984)	103903	87.1965	2906
114	Phenanthrene	178	9.081	9.081	(1.003)	1043070	93.6377	3121
115	Anthracene	178	9.143	9.154	(1.010)	1091515	98.0798	3269
118	Carbazole	167	9.413	9.413	(1.040)	1000783	98.4411	3281
120	Di-n-Butylphthalate	149	10.107	10.117	(1.117)	1290321	105.486	3516
126	Fluoranthene	202	10.905	10.915	(1.205)	1068213	107.020	3567
127	Benzidine	184	Compound Not Detected.					
128	Pyrene	202	11.268	11.268	(0.843)	1074566	97.2526	3242
134	3,3'-dimethylbenzidine	212	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
136	Butylbenzylphthalate	149	12.605	12.604	(0.943)	552896	99.8383	3328
138	Benzo(a)Anthracene	228	13.340	13.340	(0.998)	947638	100.639	3355
139	Chrysene	228	13.413	13.413	(1.003)	931917	96.7482	3225
140	3,3'-Dichlorobenzidine	252	13.392	13.402	(1.002)	252527	71.0994	2370
141	bis(2-ethylhexyl)Phthalate	149	13.724	13.734	(1.026)	780331	102.295	3410
142	Di-n-octylphthalate	149	14.781	14.781	(1.105)	1293728	106.099	3537
144	Benzo(b)fluoranthene	252	15.154	15.164	(0.963)	874628	110.872	3696
145	Benzo(k)fluoranthene	252	15.195	15.195	(0.966)	944952	93.3148	3110
147	Benzo(e)pyrene	252	Compound Not Detected.					
148	Benzo(a)pyrene	252	15.641	15.651	(0.994)	794259	88.8103	2960
151	Indeno(1,2,3-cd)pyrene	276	17.278	17.289	(1.098)	810572	112.058	3735
152	Dibenzo(a,h)anthracene	278	17.330	17.330	(1.101)	856405	105.977	3532
153	Benzo(g,h,i)perylene	276	17.672	17.672	(1.123)	872002	99.6661	3322
M 157	3 and 4-methylphenol	108				670765	178.395	5946

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC761AC G0K20000-0
Level: LOW Operator: KT
Data Type: MS DATA SampleType: LCS
SpikeList File: A13QLD4.SPK Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\sv5\c\chem\sv5.i\112110.B\8270f.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
15	N-Nitrosodimethyla	3333	2486	74.59	20-115
24	Phenol	3333	2884	86.51	40-100
26	Bis(2-chloroethyl)	3333	2899	86.97	40-105
27	2-Chlorophenol	3333	2898	86.95	45-105
28	1,3-Dichlorobenzen	3333	2748	82.43	40-100
29	1,4-Dichlorobenzen	3333	2737	82.10	35-105
30	Benzyl Alcohol	3333	3014	90.42	20-125
31	1,2-Dichlorobenzen	3333	2820	84.62	45-95
32	2-Methylphenol	3333	2913	87.40	40-105
33	2,2'-oxybis(1-Chlo	3333	2943	88.29	20-115
34	4-Methylphenol	6667	5946	89.20	60-100
36	Hexachloroethane	3333	2749	82.46	35-110
37	N-Nitrosodinpropyl	3333	2972	89.17	40-115
42	Nitrobenzene	3333	2986	89.58	40-115
44	Isophorone	3333	3032	90.96	45-115
45	2-Nitrophenol	3333	3118	93.53	40-110
46	2,4-Dimethyphenol	3333	2785	83.55	30-105
47	Bis(2-chloroethoxy	3333	2814	84.42	45-110
49	2,4-Dichlorophenol	3333	3161	94.84	45-110
50	Benzoic Acid	3333	1924	57.72	0-110
51	1,2,4-Trichloroben	3333	2853	85.59	30-110
52	Naphthalene	3333	2824	84.72	40-105
54	4-Chloroaniline	3333	2321	69.63	10-95
57	Hexachlorobutadien	3333	2961	88.84	40-115
60	4-Chloro-3-Methylp	3333	3232	96.97	45-115
63	2-Methylnaphthalen	3333	2932	87.97	45-105
69	2,4,6-Trichlorophe	3333	3432	102.95	45-110
70	2,4,5-Trichlorphen	3333	3559	106.76	50-110
71	2-Chloronaphthalen	3333	3125	93.75	45-105
73	2-Nitroaniline	3333	3565	106.95	45-120
76	Dimethylphthalate	3333	3332	99.96	50-110
77	Acenaphthylene	3333	3432	102.96	45-105
79	2,6-Dinitrotoluene	3333	3402	102.05	50-110
80	3-Nitroaniline	3333	3209	96.28	25-110
81	Acenaphthene	3333	3219	96.57	45-110
82	2,4-Dinitrophenol	3333	1778	53.34	15-130
83	Dibenzofuran	3333	3312	99.36	50-105
84	4-Nitrophenol	3333	3812	114.35	15-140
86	2,4-Dinitrotoluene	3333	3548	106.45	50-115
91	Fluorene	3333	3299	98.96	50-110

TestAmerica West Sacramento

RECOVERY REPORT

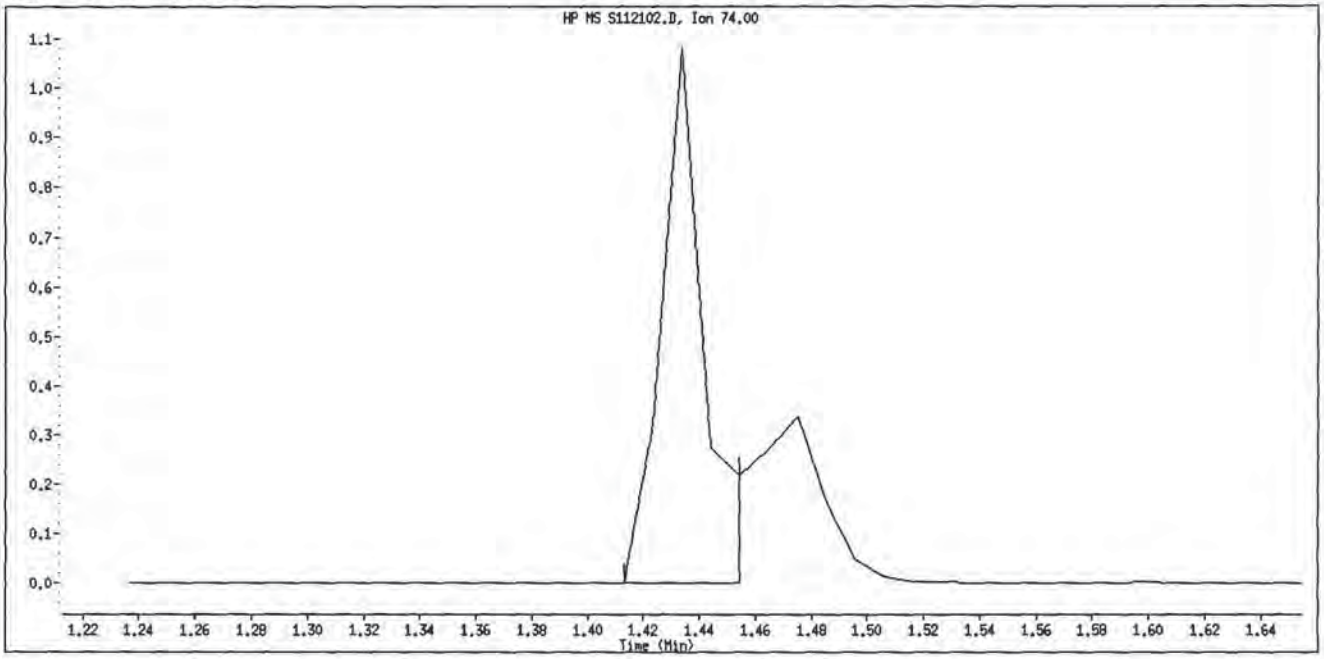
Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC761AC G0K20000-0
Level: LOW Operator: KT
Data Type: MS DATA SampleType: LCS
SpikeList File: A13QLD4.SPK Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\sv5\c\chem\sv5.i\112110.B\8270f.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
15	N-Nitrosodimethyla	3333	2486	74.59	20-115
24	Phenol	3333	2884	86.51	40-100
26	Bis(2-chloroethyl)	3333	2899	86.97	40-105
27	2-Chlorophenol	3333	2898	86.95	45-105
28	1,3-Dichlorobenzen	3333	2748	82.43	40-100
29	1,4-Dichlorobenzen	3333	2737	82.10	35-105
30	Benzyl Alcohol	3333	3014	90.42	20-125
31	1,2-Dichlorobenzen	3333	2820	84.62	45-95
32	2-Methylphenol	3333	2913	87.40	40-105
33	2,2'-oxybis(1-Chlo	3333	2943	88.29	20-115
34	4-Methylphenol	6667	5946	89.20	60-100
36	Hexachloroethane	3333	2749	82.46	35-110
37	N-Nitrosodinpropyl	3333	2972	89.17	40-115
42	Nitrobenzene	3333	2986	89.58	40-115
44	Isophorone	3333	3032	90.96	45-115
45	2-Nitrophenol	3333	3118	93.53	40-110
46	2,4-Dimethyphenol	3333	2785	83.55	30-105
47	Bis(2-chloroethoxy	3333	2814	84.42	45-110
49	2,4-Dichlorophenol	3333	3161	94.84	45-110
50	Benzoic Acid	3333	1924	57.72	0-110
51	1,2,4-Trichloroben	3333	2853	85.59	30-110
52	Naphthalene	3333	2824	84.72	40-105
54	4-Chloroaniline	3333	2321	69.63	10-95
57	Hexachlorobutadien	3333	2961	88.84	40-115
60	4-Chloro-3-Methylp	3333	3232	96.97	45-115
63	2-Methylnaphthalen	3333	2932	87.97	45-105
69	2,4,6-Trichlorophe	3333	3432	102.95	45-110
70	2,4,5-Trichlorphen	3333	3559	106.76	50-110
71	2-Chloronaphthalen	3333	3125	93.75	45-105
73	2-Nitroaniline	3333	3565	106.95	45-120
76	Dimethylphthalate	3333	3332	99.96	50-110
77	Acenaphthylene	3333	3432	102.96	45-105
79	2,6-Dinitrotoluene	3333	3402	102.05	50-110
80	3-Nitroaniline	3333	3209	96.28	25-110
81	Acenaphthene	3333	3219	96.57	45-110
82	2,4-Dinitrophenol	3333	1778	53.34	15-130
83	Dibenzofuran	3333	3312	99.36	50-105
84	4-Nitrophenol	3333	3812	114.35	15-140
86	2,4-Dinitrotoluene	3333	3548	106.45	50-115
91	Fluorene	3333	3299	98.96	50-110

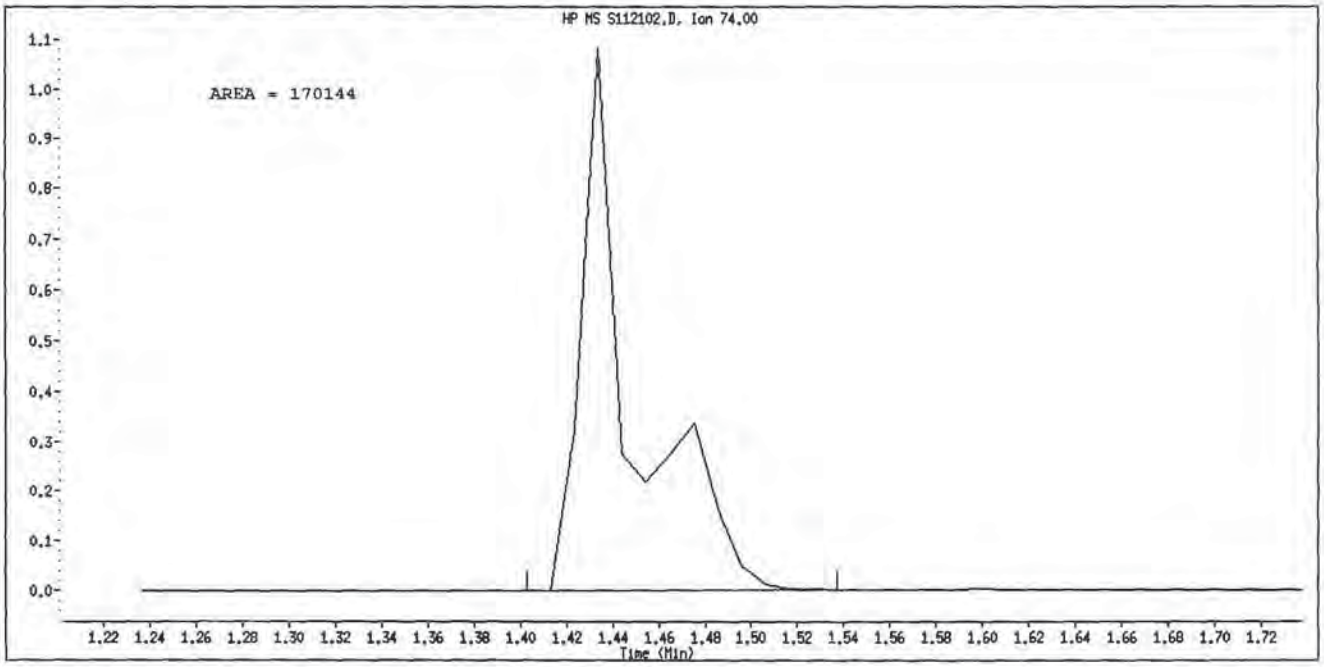
SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
92 Diethylphthalate	3333	3315	99.45	50-115
93 4-Chlorophenyl-phe	3333	3356	100.70	45-110
94 4-Nitroaniline	3333	3522	105.65	35-115
97 4,6-Dinitro-2-meth	3333	2317	69.52	30-135
98 N-Nitrosodiphenyla	3333	3112	93.35	50-115
100 Azobenzene	3333	3249	97.46	67-109
101 4-Bromophenyl-phen	3333	3314	99.42	45-115
108 Hexachlorobenzene	3333	3273	98.20	45-120
110 Pentachlorophenol	3333	2906	87.20	25-120
114 Phenanthrene	3333	3121	93.64	50-110
115 Anthracene	3333	3269	98.08	55-105
118 Carbazole	3333	3281	98.44	45-115
120 Di-n-Butylphthalat	3333	3516	105.49	55-115
126 Fluoranthene	3333	3567	107.02	55-115
128 Pyrene	3333	3242	97.25	45-125
136 Butylbenzylphthala	3333	3328	99.84	50-125
138 Benzo(a)Anthracene	3333	3355	100.64	50-110
139 Chrysene	3333	3225	96.75	55-110
140 3,3'-Dichlorobenzi	3333	2370	71.10	10-130
141 bis(2-ethylhexyl)P	3333	3410	102.29	45-125
142 Di-n-octylphthalat	3333	3537	106.10	40-130
144 Benzo(b)fluoranthe	3333	3696	110.87	45-115
145 Benzo(k)fluoranthe	3333	3110	93.31	45-125
148 Benzo(a)pyrene	3333	2960	88.81	50-110
151 Indeno(1,2,3-cd)py	3333	3735	112.06	40-120
152 Dibenzo(a,h)anthra	3333	3532	105.98	40-125
153 Benzo(g,h,i)peryle	3333	3322	99.67	40-125
M 157 3 and 4-methylphen	6667	5946	89.20	40-105

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	1667	1484	89.06	45-115
$ 8 Phenol-d5	1667	1535	92.10	44-117
$ 11 Nitrobenzene-d5	1667	1487	89.23	40-118
$ 12 2-Fluorobiphenyl	1667	1620	97.18	46-124
$ 13 2,4,6-Tribromophen	1667	1717	103.01	41-122
$ 14 Terphenyl-d14	1667	1722	103.35	44-120

Data File Name: S112102.D
Inj. Date and Time: 21-NOV-2010 13:14
Instrument ID: sv5.i
Client ID:
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 11/22/2010



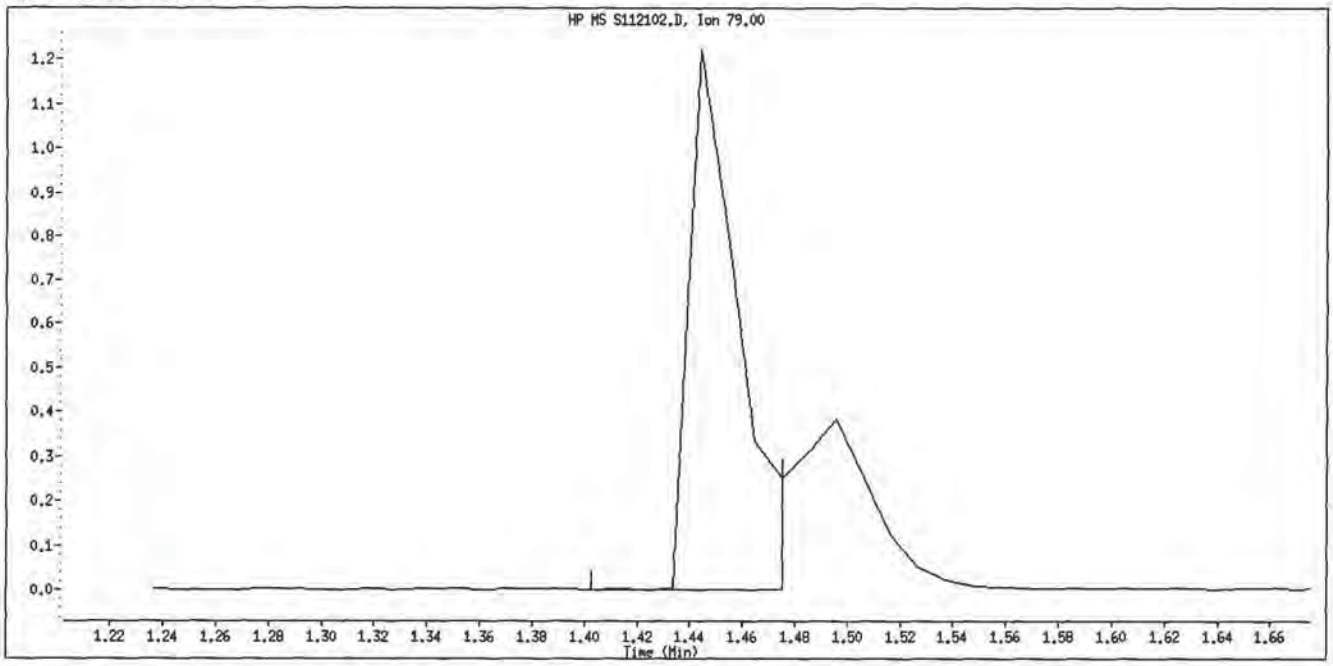
Original Integration



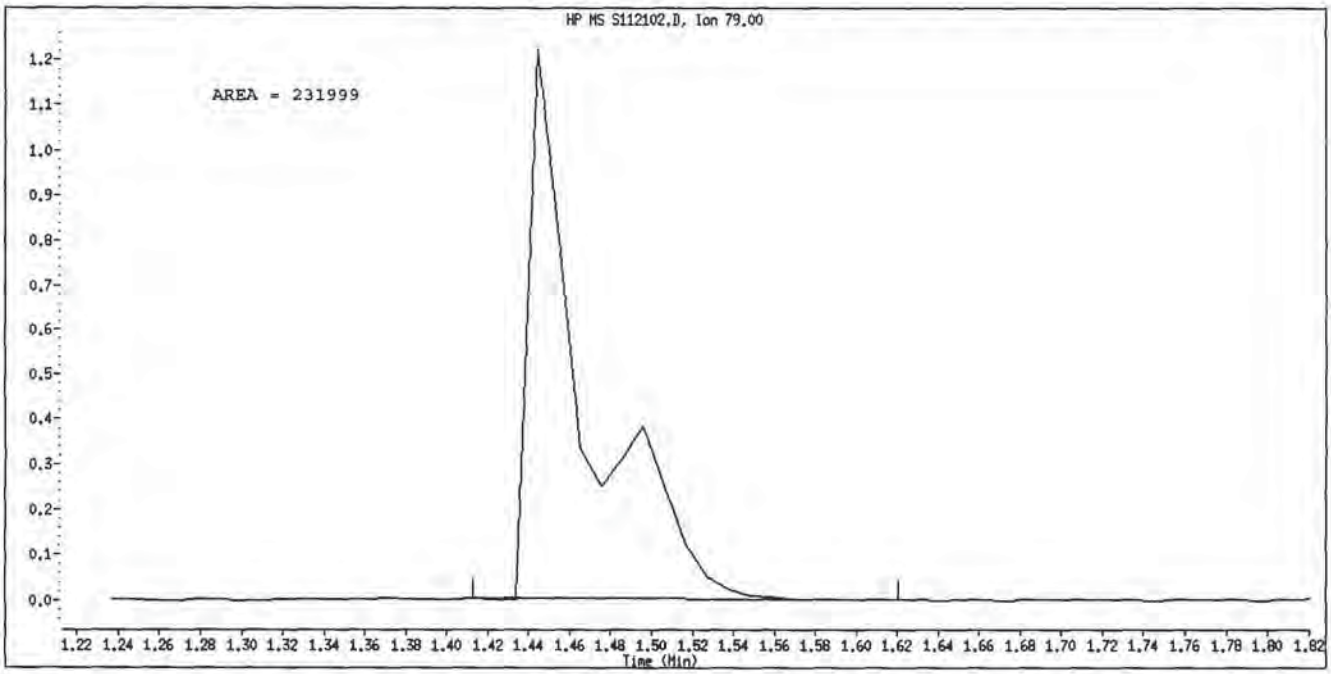
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: S112102.D
Inj. Date and Time: 21-NOV-2010 13:14
Instrument ID: sv5.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 11/22/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\112110.B\S112102.D
Lab Smp Id: MAC761AC G0K20000-0
Inj Date : 21-NOV-2010 13:14
Operator : KT Inst ID: sv5.i
Smp Info : MAC761AC G0K20000-068C;3;LCS;;;30;1000;2
Misc Info : 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\112110.B\8270F.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)	
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	99010	40.0000		(q)
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	422709	40.0000		
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	218617	40.0000		
* 4	Phenanthrene-d10	188	9.050	9.050	(1.000)	353424	40.0000		
* 5	Chrysene-d12	240	13.371	13.371	(1.000)	353503	40.0000		
* 6	Perylene-d12	264	15.734	15.734	(1.000)	348481	40.0000		
$ 7	2-Fluorophenol	112	2.470	2.459	(0.673)	155399	44.5281	1484	
$ 8	Phenol-d5	99	3.350	3.350	(0.913)	202100	46.0520	1535	
$ 11	Nitrobenzene-d5	82	4.293	4.293	(0.845)	159733	44.6146	1487	
$ 12	2-Fluorobiphenyl	172	6.387	6.387	(0.890)	342181	48.5892	1620	
$ 13	2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	48929	51.5057	1717	
$ 14	Terphenyl-d14	244	11.630	11.630	(0.870)	359820	51.6755	1722	
15	N-Nitrosodimethylamine	74	1.433	1.433	(0.390)	111243	48.7684	1626	(Q)
16	Pyridine	79	1.444	1.454	(0.393)	155219	40.6904	1356	
23	Aniline	93	3.371	3.371	(0.918)	328203	58.7550	1958	(q)
24	Phenol	94	3.361	3.361	(0.915)	436260	86.5116	2884	(q)
26	Bis(2-chloroethyl)ether	93	3.433	3.433	(0.935)	307545	86.9723	2899	
27	2-Chlorophenol	128	3.485	3.485	(0.949)	336557	86.9472	2898	
28	1,3-Dichlorobenzene	146	3.630	3.630	(0.989)	347568	82.4348	2748	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
29	1,4-Dichlorobenzene	146	3.682	3.682	(1.003)	361971	82.1008	2737
30	Benzyl Alcohol	108	3.837	3.848	(1.045)	235218	90.4157	3014
31	1,2-Dichlorobenzene	146	3.879	3.889	(1.056)	342965	84.6172	2820
32	2-Methylphenol	108	3.993	3.993	(1.087)	309399	87.4030	2913
33	2,2'-oxybis(1-Chloropropane)	45	4.014	4.014	(1.093)	496910	88.2947	2943
34	4-Methylphenol	108	4.159	4.159	(1.133)	670765	178.395	5946(A)
36	Hexachloroethane	117	4.211	4.210	(1.147)	123765	82.4603	2749
37	N-Nitrosodinpropylamine	70	4.169	4.169	(1.135)	223318	89.1681	2972
38	n-Nitrosopyrrolidine	100	Compound Not Detected.					
42	Nitrobenzene	77	4.314	4.314	(0.849)	313488	89.5771	2986
44	Isophorone	82	4.584	4.583	(0.902)	612082	90.9563	3032
45	2-Nitrophenol	139	4.677	4.677	(0.920)	194203	93.5323	3118
46	2,4-Dimethyphenol	107	4.749	4.749	(0.935)	308244	83.5497	2785
47	Bis(2-chloroethoxy)methane	93	4.853	4.853	(0.955)	347129	84.4241	2814
49	2,4-Dichlorophenol	162	4.946	4.946	(0.973)	270699	94.8375	3161
50	Benzoic Acid	122	4.863	4.874	(0.957)	117877	57.7228	1924
51	1,2,4-Trichlorobenzene	180	5.040	5.039	(0.992)	264527	85.5912	2853
52	Naphthalene	128	5.102	5.102	(1.004)	988844	84.7246	2824
54	4-Chloroaniline	127	5.205	5.205	(1.024)	318500	69.6250	2321
55	2,6-Dichlorophenol	162	4.946	5.222	(0.973)	270699	101.635	3388
57	Hexachlorobutadiene	225	5.330	5.330	(1.049)	134379	88.8446	2961
60	4-Chloro-3-Methylphenol	107	5.806	5.806	(1.143)	309089	96.9661	3232
63	2-Methylnaphthalene	142	5.910	5.910	(1.163)	644927	87.9651	2932
66	Hexachlorocyclopentadiene	237	6.190	6.190	(0.863)	155313	95.2145	3174
69	2,4,6-Trichlorophenol	196	6.293	6.304	(0.877)	179558	102.946	3432
70	2,4,5-Trichlorphenol	196	6.345	6.345	(0.884)	200601	106.758	3559
71	2-Chloronaphthalene	162	6.490	6.490	(0.905)	576814	93.7531	3125
73	2-Nitroaniline	65	6.667	6.666	(0.929)	199440	106.954	3565
76	Dimethylphthalate	163	6.946	6.946	(0.968)	708101	99.9644	3332
77	Acenaphthylene	152	6.988	6.988	(0.974)	1103184	102.964	3432
79	2,6-Dinitrotoluene	165	7.019	7.019	(0.978)	168416	102.047	3402
80	3-Nitroaniline	138	7.164	7.164	(0.999)	198326	96.2771	3209
81	Acenaphthene	153	7.205	7.216	(1.004)	658621	96.5702	3219
82	2,4-Dinitrophenol	184	7.288	7.288	(1.016)	52076	53.3445	1778
83	Dibenzofuran	168	7.402	7.402	(1.032)	899307	99.3556	3312
84	4-Nitrophenol	109	7.413	7.413	(1.033)	97708	114.350	3812(q)
86	2,4-Dinitrotoluene	165	7.475	7.475	(1.042)	230583	106.450	3548
91	Fluorene	166	7.817	7.817	(1.090)	741758	98.9638	3299
92	Diethylphthalate	149	7.806	7.806	(1.088)	721238	99.4458	3315
93	4-Chlorophenyl-phenylether	204	7.848	7.848	(1.094)	313808	100.698	3356
94	4-Nitroaniline	138	7.910	7.910	(1.103)	215740	105.654	3522
97	4,6-Dinitro-2-methylphenol	198	7.972	7.972	(0.881)	89741	69.5234	2317
98	N-Nitrosodiphenylamine	169	8.003	8.003	(0.884)	500047	93.3467	3112
100	Azobenzene	77	8.034	8.034	(0.888)	677376	97.4628	3249
101	4-Bromophenyl-phenylether	248	8.470	8.470	(0.936)	171528	99.4194	3314
108	Hexachlorobenzene	284	8.646	8.646	(0.955)	189214	98.2041	3273
110	Pentachlorophenol	266	8.905	8.905	(0.984)	103903	87.1965	2906
114	Phenanthrene	178	9.081	9.081	(1.003)	1043070	93.6377	3121
115	Anthracene	178	9.143	9.154	(1.010)	1091515	98.0798	3269
118	Carbazole	167	9.413	9.413	(1.040)	1000783	98.4411	3281
120	Di-n-Butylphthalate	149	10.107	10.117	(1.117)	1290321	105.486	3516
126	Fluoranthene	202	10.905	10.915	(1.205)	1068213	107.020	3567
127	Benzidine	184	Compound Not Detected.					
128	Pyrene	202	11.268	11.268	(0.843)	1074566	97.2526	3242
134	3,3'-dimethylbenzidine	212	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
136 Butylbenzylphthalate	149	12.605	12.604	(0.943)	552896	99.8383	3328
138 Benzo(a)Anthracene	228	13.340	13.340	(0.998)	947638	100.639	3355
139 Chrysene	228	13.413	13.413	(1.003)	931917	96.7482	3225
140 3,3'-Dichlorobenzidine	252	13.392	13.402	(1.002)	252527	71.0994	2370
141 bis(2-ethylhexyl)Phthalate	149	13.724	13.734	(1.026)	780331	102.295	3410
142 Di-n-octylphthalate	149	14.781	14.781	(1.105)	1293728	106.099	3537
144 Benzo(b)fluoranthene	252	15.154	15.164	(0.963)	874628	110.872	3696
145 Benzo(k)fluoranthene	252	15.195	15.195	(0.966)	944952	93.3148	3110
147 Benzo(e)pyrene	252	15.641	15.579	(0.994)	792758	96.3687	3212
148 Benzo(a)pyrene	252	15.641	15.651	(0.994)	794259	88.8103	2960
151 Indeno(1,2,3-cd)pyrene	276	17.278	17.289	(1.098)	810572	112.058	3735
152 Dibenzo(a,h)anthracene	278	17.330	17.330	(1.101)	856405	105.977	3532
153 Benzo(g,h,i)perylene	276	17.672	17.672	(1.123)	872002	99.6661	3322
M 157 3 and 4-methylphenol	108				670765	178.395	5946

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S112102.D
Lab Smp Id: MAC761AC G0K20000-0
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

Calibration Date: 21-NOV-2010
Calibration Time: 11:50
Level: LOW
Sample Type: SOL

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	99010	-19.26
2 Naphthalene-d8	530514	265257	1061028	422709	-20.32
3 Acenaphthene-d10	282538	141269	565076	218617	-22.62
4 Phenanthrene-d10	462722	231361	925444	353424	-23.62
5 Chrysene-d12	435850	217925	871700	353503	-18.89
6 Perylene-d12	422284	211142	844568	348481	-17.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.67	3.17	4.17	3.67	0.00
2 Naphthalene-d8	5.08	4.58	5.58	5.08	0.00
3 Acenaphthene-d10	7.17	6.67	7.67	7.17	0.00
4 Phenanthrene-d10	9.05	8.55	9.55	9.05	0.00
5 Chrysene-d12	13.37	12.87	13.87	13.37	0.00
6 Perylene-d12	15.73	15.23	16.23	15.73	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.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC761AC G0K20000-0
Level: LOW Operator: KT
Data Type: MS DATA SampleType: LCS
SpikeList File: A13QLD4.SPK Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
15 N-Nitrosodimethyla	3333	1626	48.77	20-115
24 Phenol	3333	2884	86.51	40-100
26 Bis(2-chloroethyl)	3333	2899	86.97	40-105
27 2-Chlorophenol	3333	2898	86.95	45-105
28 1,3-Dichlorobenzen	3333	2748	82.43	40-100
29 1,4-Dichlorobenzen	3333	2737	82.10	35-105
30 Benzyl Alcohol	3333	3014	90.42	20-125
31 1,2-Dichlorobenzen	3333	2820	84.62	45-95
32 2-Methylphenol	3333	2913	87.40	40-105
33 2,2'-oxybis(1-Chlo	3333	2943	88.29	20-115
34 4-Methylphenol	6667	5946	89.20	60-100
36 Hexachloroethane	3333	2749	82.46	35-110
37 N-Nitrosodinpropyl	3333	2972	89.17	40-115
42 Nitrobenzene	3333	2986	89.58	40-115
44 Isophorone	3333	3032	90.96	45-115
45 2-Nitrophenol	3333	3118	93.53	40-110
46 2,4-Dimethyphenol	3333	2785	83.55	30-105
47 Bis(2-chloroethoxy	3333	2814	84.42	45-110
49 2,4-Dichlorophenol	3333	3161	94.84	45-110
50 Benzoic Acid	3333	1924	57.72	0-110
51 1,2,4-Trichloroben	3333	2853	85.59	30-110
52 Naphthalene	3333	2824	84.72	40-105
54 4-Chloroaniline	3333	2321	69.63	10-95
57 Hexachlorobutadien	3333	2961	88.84	40-115
60 4-Chloro-3-Methylp	3333	3232	96.97	45-115
63 2-Methylnaphthalen	3333	2932	87.97	45-105
69 2,4,6-Trichlorophe	3333	3432	102.95	45-110
70 2,4,5-Trichlorphen	3333	3559	106.76	50-110
71 2-Chloronaphthalen	3333	3125	93.75	45-105
73 2-Nitroaniline	3333	3565	106.95	45-120
76 Dimethylphthalate	3333	3332	99.96	50-110
77 Acenaphthylene	3333	3432	102.96	45-105
79 2,6-Dinitrotoluene	3333	3402	102.05	50-110
80 3-Nitroaniline	3333	3209	96.28	25-110
81 Acenaphthene	3333	3219	96.57	45-110
82 2,4-Dinitrophenol	3333	1778	53.34	15-130
83 Dibenzofuran	3333	3312	99.36	50-105
84 4-Nitrophenol	3333	3812	114.35	15-140
86 2,4-Dinitrotoluene	3333	3548	106.45	50-115
91 Fluorene	3333	3299	98.96	50-110

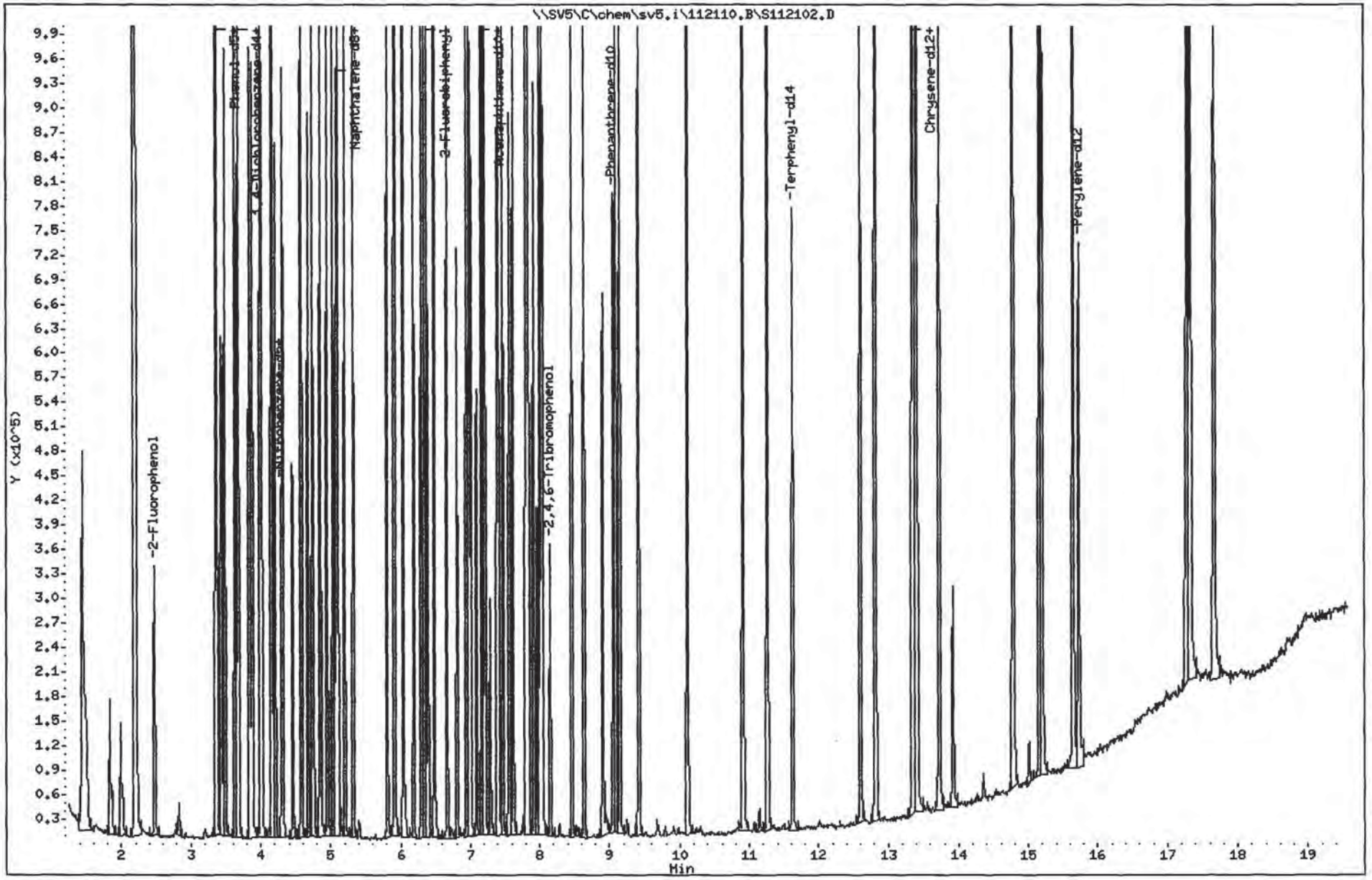
	SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
92	Diethylphthalate	3333	3315	99.45	50-115
93	4-Chlorophenyl-phe	3333	3356	100.70	45-110
94	4-Nitroaniline	3333	3522	105.65	35-115
97	4,6-Dinitro-2-meth	3333	2317	69.52	30-135
98	N-Nitrosodiphenyla	3333	3112	93.35	50-115
100	Azobenzene	3333	3249	97.46	67-109
101	4-Bromophenyl-phen	3333	3314	99.42	45-115
108	Hexachlorobenzene	3333	3273	98.20	45-120
110	Pentachlorophenol	3333	2906	87.20	25-120
114	Phenanthrene	3333	3121	93.64	50-110
115	Anthracene	3333	3269	98.08	55-105
118	Carbazole	3333	3281	98.44	45-115
120	Di-n-Butylphthalat	3333	3516	105.49	55-115
126	Fluoranthene	3333	3567	107.02	55-115
128	Pyrene	3333	3242	97.25	45-125
136	Butylbenzylphthala	3333	3328	99.84	50-125
138	Benzo(a)Anthracene	3333	3355	100.64	50-110
139	Chrysene	3333	3225	96.75	55-110
140	3,3'-Dichlorobenzi	3333	2370	71.10	10-130
141	bis(2-ethylhexyl)P	3333	3410	102.29	45-125
142	Di-n-octylphthalat	3333	3537	106.10	40-130
144	Benzo(b)fluoranthe	3333	3696	110.87	45-115
145	Benzo(k)fluoranthe	3333	3110	93.31	45-125
148	Benzo(a)pyrene	3333	2960	88.81	50-110
151	Indeno(1,2,3-cd)py	3333	3735	112.06	40-120
152	Dibenzo(a,h)anthra	3333	3532	105.98	40-125
153	Benzo(g,h,i)peryle	3333	3322	99.67	40-125
M 157	3 and 4-methylphen	6667	5946	89.20	40-105

	SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7	2-Fluorophenol	1667	1484	89.06	45-115
$ 8	Phenol-d5	1667	1535	92.10	44-117
$ 11	Nitrobenzene-d5	1667	1487	89.23	40-118
$ 12	2-Fluorobiphenyl	1667	1620	97.18	46-124
$ 13	2,4,6-Tribromophen	1667	1717	103.01	41-122
$ 14	Terphenyl-d14	1667	1722	103.35	44-120

Data File: \\SV5\C\chem\sv5.i\112110.B\S112102.D
Date : 21-NOV-2010 13:14
Client ID:
Sample Info: HAC761AC G0K20000-068C;3;LCS;;;;30;1000;2
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\112110.B\S112109.D
Lab Smp Id: MAC5P1AC G0K200425- Client Smp ID: 0324068
Inj Date : 21-NOV-2010 16:09
Operator : KT Inst ID: sv5.i
Smp Info : MAC5P1AC G0K200425-6;0;;;;31.35;1000;5
Misc Info : 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\112110.B\8270f.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SACP307UM

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	31.350	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
*	1 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	100995	40.0000		(Q)
*	2 Naphthalene-d8	136	5.081	5.081	(1.000)	421100	40.0000		
*	3 Acenaphthene-d10	164	7.174	7.174	(1.000)	214855	40.0000		
*	4 Phenanthrene-d10	188	9.050	9.050	(1.000)	346712	40.0000		
*	5 Chrysene-d12	240	13.361	13.371	(1.000)	334092	40.0000		
*	6 Perylene-d12	264	15.734	15.734	(1.000)	327803	40.0000		
$	7 2-Fluorophenol	112	2.470	2.459	(0.673)	141917	39.8657	1272	
$	8 Phenol-d5	99	3.350	3.350	(0.913)	183730	41.0432	1309	
$	11 Nitrobenzene-d5	82	4.293	4.293	(0.845)	135608	38.0210	1213	
$	12 2-Fluorobiphenyl	172	6.387	6.387	(0.890)	295936	42.7583	1364	
$	13 2,4,6-Tribromophenol	330	8.148	8.159	(1.136)	44976	48.1735	1537	
$	14 Terphenyl-d14	244	11.620	11.630	(0.870)	339184	51.5420	1644	
	15 N-Nitrosodimethylamine	74	Compound Not Detected.						
	16 Pyridine	79	Compound Not Detected.						
	23 Aniline	93	Compound Not Detected.						
	24 Phenol	94	Compound Not Detected.						
	26 Bis(2-chloroethyl)ether	93	Compound Not Detected.						
	27 2-Chlorophenol	128	Compound Not Detected.						
	28 1,3-Dichlorobenzene	146	Compound Not Detected.						

11/22/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
29	1,4-Dichlorobenzene	146	Compound Not Detected.					
30	Benzyl Alcohol	108	Compound Not Detected.					
31	1,2-Dichlorobenzene	146	Compound Not Detected.					
32	2-Methylphenol	108	Compound Not Detected.					
33	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
34	4-Methylphenol	108	Compound Not Detected.					
36	Hexachloroethane	117	Compound Not Detected.					
37	N-Nitrosodinpropylamine	70	Compound Not Detected.					
38	n-Nitrosopyrrolidine	100	Compound Not Detected.					
42	Nitrobenzene	77	Compound Not Detected.					
44	Isophorone	82	Compound Not Detected.					
45	2-Nitrophenol	139	Compound Not Detected.					
46	2,4-Dimethyphenol	107	Compound Not Detected.					
47	Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
49	2,4-Dichlorophenol	162	Compound Not Detected.					
50	Benzoic Acid	122	Compound Not Detected.					
51	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
52	Naphthalene	128	Compound Not Detected.					
54	4-Chloroaniline	127	Compound Not Detected.					
55	2,6-Dichlorophenol	162	Compound Not Detected.					
57	Hexachlorobutadiene	225	Compound Not Detected.					
60	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
63	2-Methylnaphthalene	142	Compound Not Detected.					
66	Hexachlorocyclopentadiene	237	Compound Not Detected.					
69	2,4,6-Trichlorophenol	196	Compound Not Detected.					
70	2,4,5-Trichlorphenol	196	Compound Not Detected.					
71	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
77	Acenaphthylene	152	Compound Not Detected.					
79	2,6-Dinitrotoluene	165	Compound Not Detected.					
80	3-Nitroaniline	138	Compound Not Detected.					
81	Acenaphthene	153	Compound Not Detected.					
82	2,4-Dinitrophenol	184	Compound Not Detected.					
83	Dibenzofuran	168	Compound Not Detected.					
84	4-Nitrophenol	109	Compound Not Detected.					
86	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	Fluorene	166	Compound Not Detected.					
92	Diethylphthalate	149	Compound Not Detected.					
93	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
94	4-Nitroaniline	138	Compound Not Detected.					
97	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
98	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	Azobenzene	77	Compound Not Detected.					
101	4-Bromophenyl-phenylether	248	Compound Not Detected.					
108	Hexachlorobenzene	284	Compound Not Detected.					
110	Pentachlorophenol	266	Compound Not Detected.					
114	Phenanthrene	178	9.081	9.081	(1.003)	268340	24.5556	783.3
115	Anthracene	178	9.143	9.154	(1.010)	46613	4.26957	136.2
118	Carbazole	167	Compound Not Detected.					
120	Di-n-Butylphthalate	149	Compound Not Detected.					
126	Fluoranthene	202	10.905	10.915	(1.205)	238865	24.3941	778.1
127	Benzidine	184	Compound Not Detected.					
128	Pyrene	202	11.257	11.268	(0.843)	301472	28.8697	920.9
134	3,3'-dimethylbenzidine	212	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
136	Butylbenzylphthalate	149	Compound Not Detected.					
138	Benzo(a)Anthracene	228	13.330	13.340	(0.998)	106379	11.9538	381.3
139	Chrysene	228	13.403	13.413	(1.003)	117206	12.8749	410.7
140	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
141	bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
142	Di-n-octylphthalate	149	Compound Not Detected.					
144	Benzo(b)fluoranthene	252	15.144	15.164	(0.962)	77795	10.4837	334.4(QM)
145	Benzo(k)fluoranthene	252	15.175	15.195	(0.964)	86857	9.11826	290.8(qM)
147	Benzo(e)pyrene	252	15.558	15.579	(0.989)	57787	7.46778	238.2
148	Benzo(a)pyrene	252	15.641	15.651	(0.994)	90257	10.7287	342.2
151	Indeno(1,2,3-cd)pyrene	276	17.268	17.289	(1.097)	58990	8.66955	276.5
152	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
153	Benzo(g,h,i)perylene	276	17.651	17.672	(1.122)	53507	6.50140	207.4
M 157	3 and 4-methylphenol	108	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

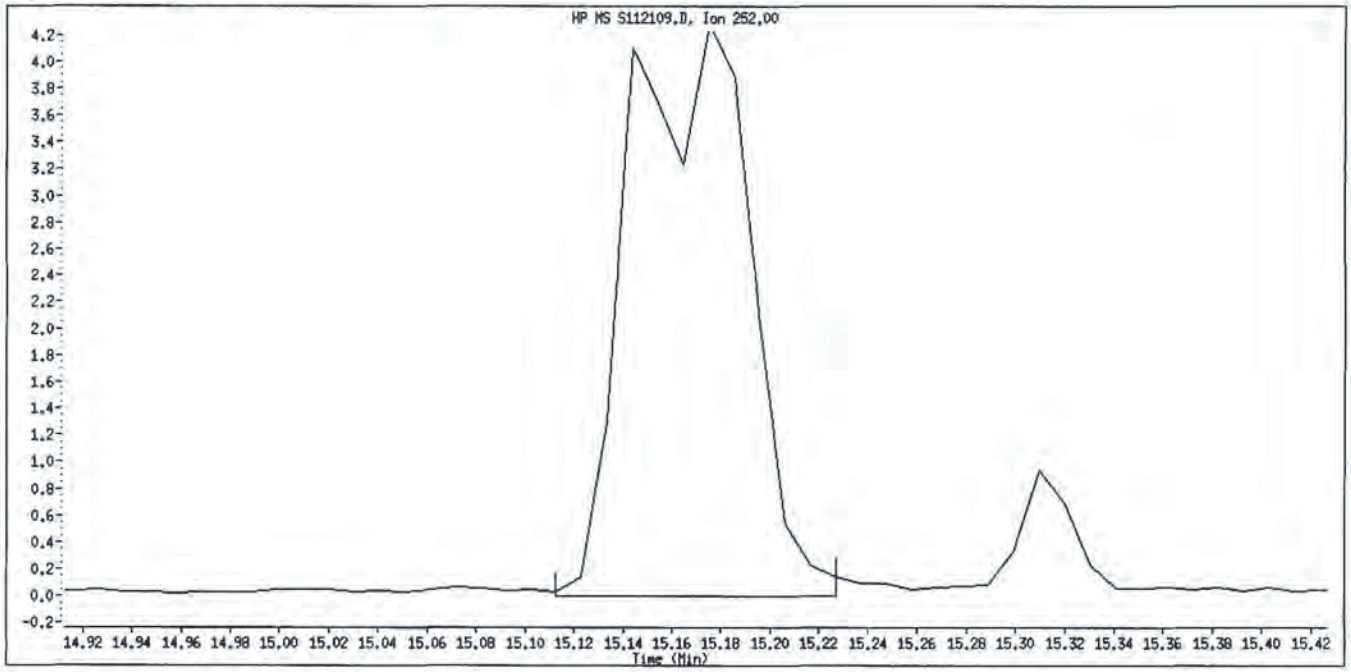
TestAmerica West Sacramento

RECOVERY REPORT

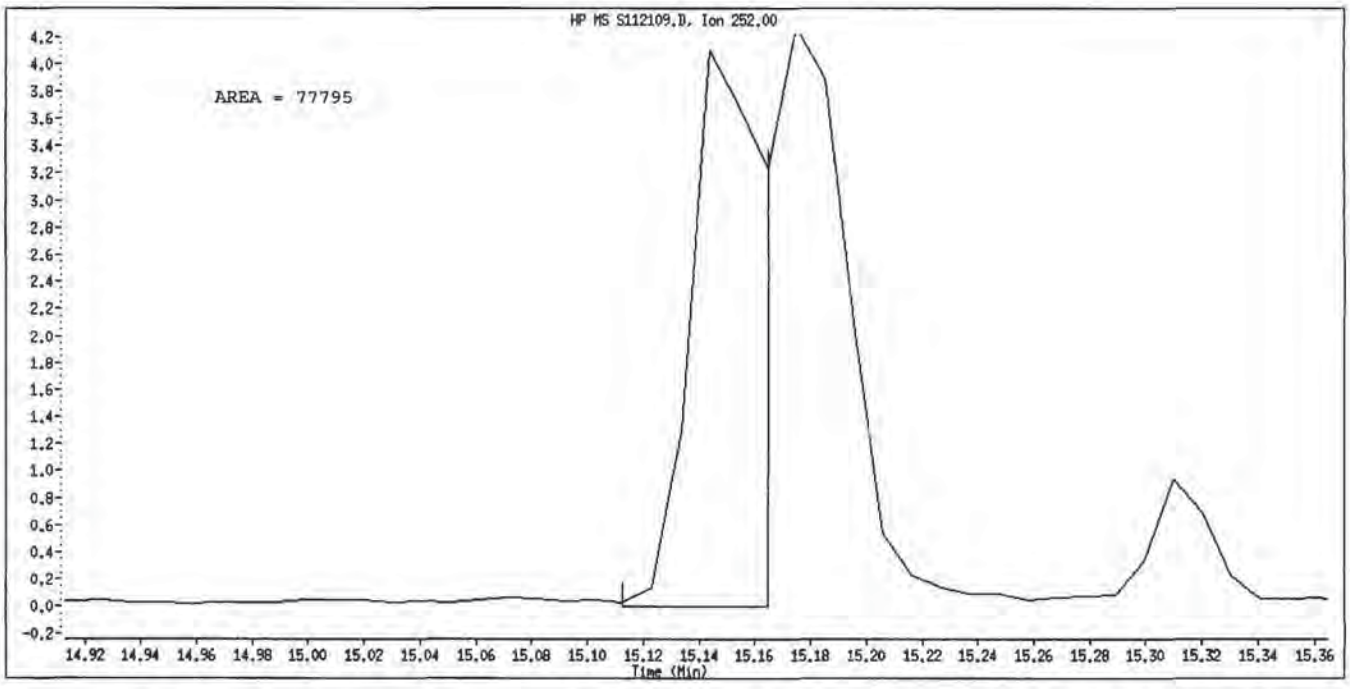
Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC5P1AC G0K200425- Client Smp ID: 0324068
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\sv5\c\chem\sv5.i\112110.B\8270f.m
Misc Info: 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	1595	1272	79.73	45-115
$ 8 Phenol-d5	1595	1309	82.09	44-117
$ 11 Nitrobenzene-d5	1595	1213	76.04	40-118
$ 12 2-Fluorobiphenyl	1595	1364	85.52	46-124
$ 13 2,4,6-Tribromophen	1595	1537	96.35	41-122
$ 14 Terphenyl-d14	1595	1644	103.08	44-120

Data File Name: S112109.D
Inj. Date and Time: 21-NOV-2010 16:09
Instrument ID: sv5.i
Client ID: 0324068
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 11/22/2010



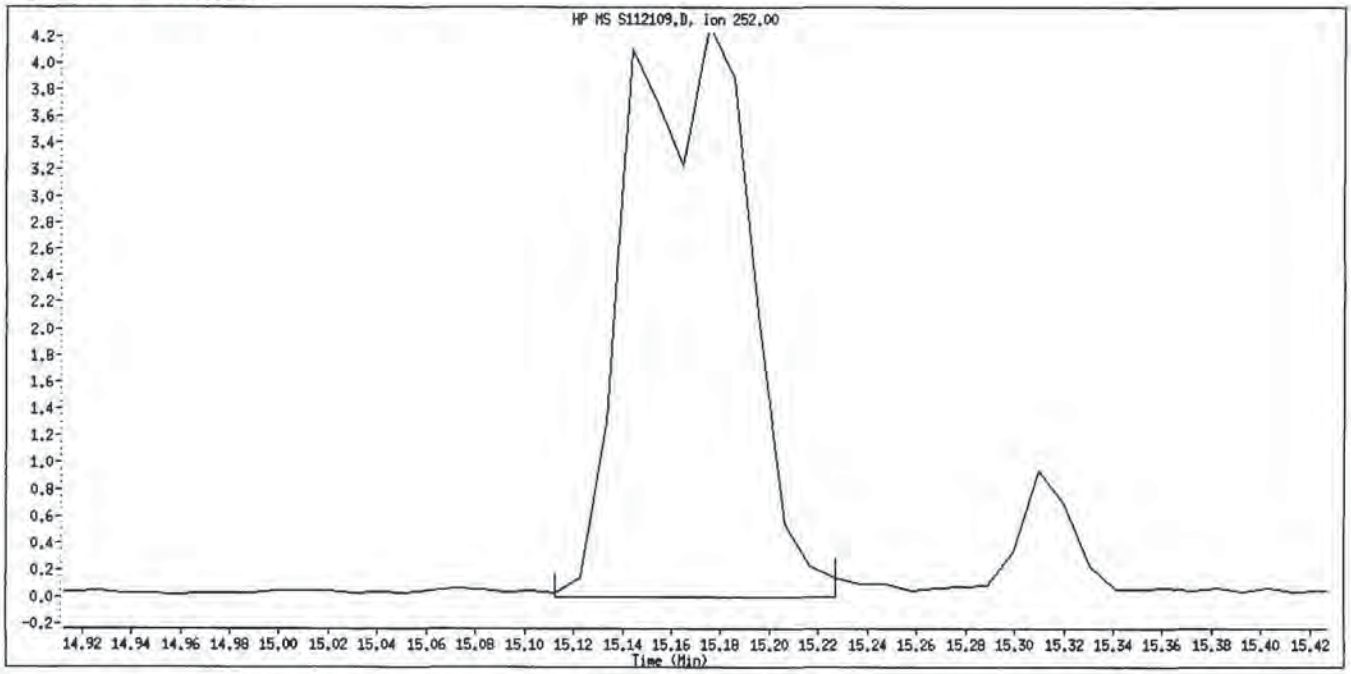
Original Integration



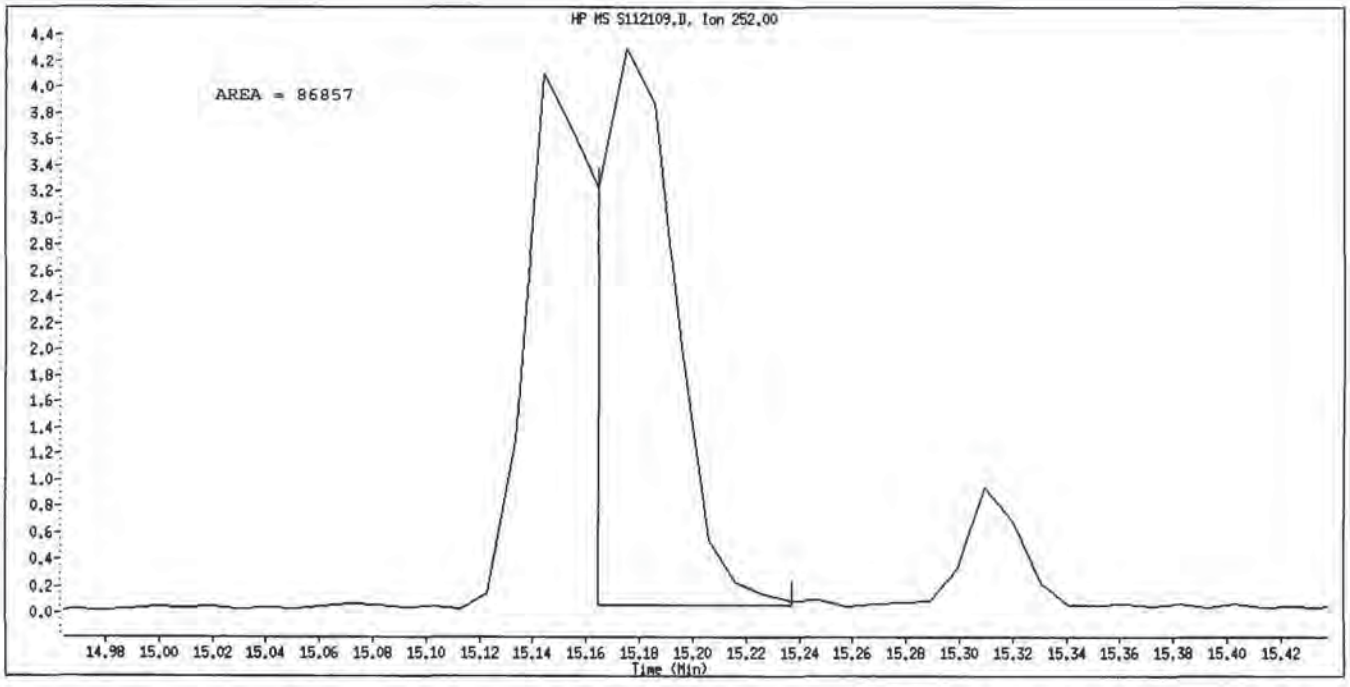
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: S112109.D
Inj. Date and Time: 21-NOV-2010 16:09
Instrument ID: sv5.i
Client ID: 0324068
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 11/22/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\112110.B\S112109.D
Lab Smp Id: MAC5P1AC G0K200425- Client Smp ID: 0324068
Inj Date : 21-NOV-2010 16:09
Operator : KT Inst ID: sv5.i
Smp Info : MAC5P1AC G0K200425-6;0;;;;31.35;1000;5
Misc Info : 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\112110.B\8270F.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	31.350	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)	
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	100995	40.0000		(Q)
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	421100	40.0000		
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	214855	40.0000		
* 4	Phenanthrene-d10	188	9.050	9.050	(1.000)	346712	40.0000		
* 5	Chrysene-d12	240	13.361	13.371	(1.000)	334092	40.0000		
* 6	Perylene-d12	264	15.734	15.734	(1.000)	327803	40.0000		
$ 7	2-Fluorophenol	112	2.470	2.459	(0.673)	141917	39.8657	1272	
$ 8	Phenol-d5	99	3.350	3.350	(0.913)	183730	41.0432	1309	
$ 11	Nitrobenzene-d5	82	4.293	4.293	(0.845)	135608	38.0210	1213	
$ 12	2-Fluorobiphenyl	172	6.387	6.387	(0.890)	295936	42.7583	1364	
$ 13	2,4,6-Tribromophenol	330	8.148	8.159	(1.136)	44976	48.1735	1537	
$ 14	Terphenyl-d14	244	11.620	11.630	(0.870)	339184	51.5420	1644	
15	N-Nitrosodimethylamine	74	Compound Not Detected.						
16	Pyridine	79	Compound Not Detected.						
23	Aniline	93	Compound Not Detected.						
24	Phenol	94	Compound Not Detected.						
26	Bis(2-chloroethyl)ether	93	Compound Not Detected.						
27	2-Chlorophenol	128	Compound Not Detected.						
28	1,3-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
29 1,4-Dichlorobenzene	146	Compound Not Detected.					
30 Benzyl Alcohol	108	Compound Not Detected.					
31 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
33 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
34 4-Methylphenol	108	Compound Not Detected.					
36 Hexachloroethane	117	Compound Not Detected.					
37 N-Nitrosodinpropylamine	70	4.293	4.169	(1.169)	17380	6.80323	217.0(Q)
38 n-Nitrosopyrrolidine	100	Compound Not Detected.					
42 Nitrobenzene	77	Compound Not Detected.					
44 Isophorone	82	Compound Not Detected.					
45 2-Nitrophenol	139	Compound Not Detected.					
46 2,4-Dimethyphenol	107	Compound Not Detected.					
47 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
49 2,4-Dichlorophenol	162	Compound Not Detected.					
50 Benzoic Acid	122	Compound Not Detected.					
51 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
52 Naphthalene	128	Compound Not Detected.					
54 4-Chloroaniline	127	Compound Not Detected.					
55 2,6-Dichlorophenol	162	Compound Not Detected.					
57 Hexachlorobutadiene	225	Compound Not Detected.					
60 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
63 2-Methylnaphthalene	142	Compound Not Detected.					
66 Hexachlorocyclopentadiene	237	Compound Not Detected.					
69 2,4,6-Trichlorophenol	196	Compound Not Detected.					
70 2,4,5-Trichlorphenol	196	Compound Not Detected.					
71 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
77 Acenaphthylene	152	Compound Not Detected.					
79 2,6-Dinitrotoluene	165	7.164	7.019	(0.999)	27785	17.1304	546.4(Q)
80 3-Nitroaniline	138	Compound Not Detected.					
81 Acenaphthene	153	Compound Not Detected.					
82 2,4-Dinitrophenol	184	Compound Not Detected.					
83 Dibenzofuran	168	Compound Not Detected.					
84 4-Nitrophenol	109	Compound Not Detected.					
86 2,4-Dinitrotoluene	165	7.164	7.475	(0.999)	27785	13.0517	416.3(Q)
91 Fluorene	166	Compound Not Detected.					
92 Diethylphthalate	149	Compound Not Detected.					
93 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
94 4-Nitroaniline	138	Compound Not Detected.					
97 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
98 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 Azobenzene	77	Compound Not Detected.					
101 4-Bromophenyl-phenylether	248	Compound Not Detected.					
108 Hexachlorobenzene	284	Compound Not Detected.					
110 Pentachlorophenol	266	Compound Not Detected.					
114 Phenanthrene	178	9.081	9.081	(1.003)	268340	24.5556	783.3
115 Anthracene	178	9.143	9.154	(1.010)	46613	4.26957	136.2
118 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
126 Fluoranthene	202	10.905	10.915	(1.205)	238865	24.3941	778.1
127 Benzidine	184	Compound Not Detected.					
128 Pyrene	202	11.257	11.268	(0.843)	301472	28.8697	920.9
134 3,3'-dimethylbenzidine	212	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
136	Butylbenzylphthalate	149	Compound Not Detected.					
138	Benzo(a)Anthracene	228	13.330	13.340	(0.998)	106379	11.9538	381.3
139	Chrysene	228	13.403	13.413	(1.003)	117206	12.8749	410.7
140	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
141	bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
142	Di-n-octylphthalate	149	Compound Not Detected.					
144	Benzo(b)fluoranthene	252	15.144	15.164	(0.962)	146319	19.7180	629.0
145	Benzo(k)fluoranthene	252	15.144	15.195	(0.962)	146319	15.3606	490.0
147	Benzo(e)pyrene	252	15.558	15.579	(0.989)	57787	7.46778	238.2
148	Benzo(a)pyrene	252	15.641	15.651	(0.994)	90257	10.7287	342.2
151	Indeno(1,2,3-cd)pyrene	276	17.268	17.289	(1.097)	58990	8.66955	276.5
152	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
153	Benzo(g,h,i)perylene	276	17.651	17.672	(1.122)	53507	6.50140	207.4
M 157	3 and 4-methylphenol	108	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S112109.D
Lab Smp Id: MAC5P1AC G0K200425-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M

Calibration Date: 21-NOV-2010
Calibration Time: 11:50
Client Smp ID: 0324068
Level: LOW
Sample Type: SOL

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	100995	-17.64
2 Naphthalene-d8	530514	265257	1061028	421100	-20.62
3 Acenaphthene-d10	282538	141269	565076	214855	-23.96
4 Phenanthrene-d10	462722	231361	925444	346712	-25.07
5 Chrysene-d12	435850	217925	871700	334092	-23.35
6 Perylene-d12	422284	211142	844568	327803	-22.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.67	3.17	4.17	3.67	0.00
2 Naphthalene-d8	5.08	4.58	5.58	5.08	0.00
3 Acenaphthene-d10	7.17	6.67	7.67	7.17	0.00
4 Phenanthrene-d10	9.05	8.55	9.55	9.05	0.00
5 Chrysene-d12	13.37	12.87	13.87	13.36	-0.08
6 Perylene-d12	15.73	15.23	16.23	15.73	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.

TestAmerica West Sacramento

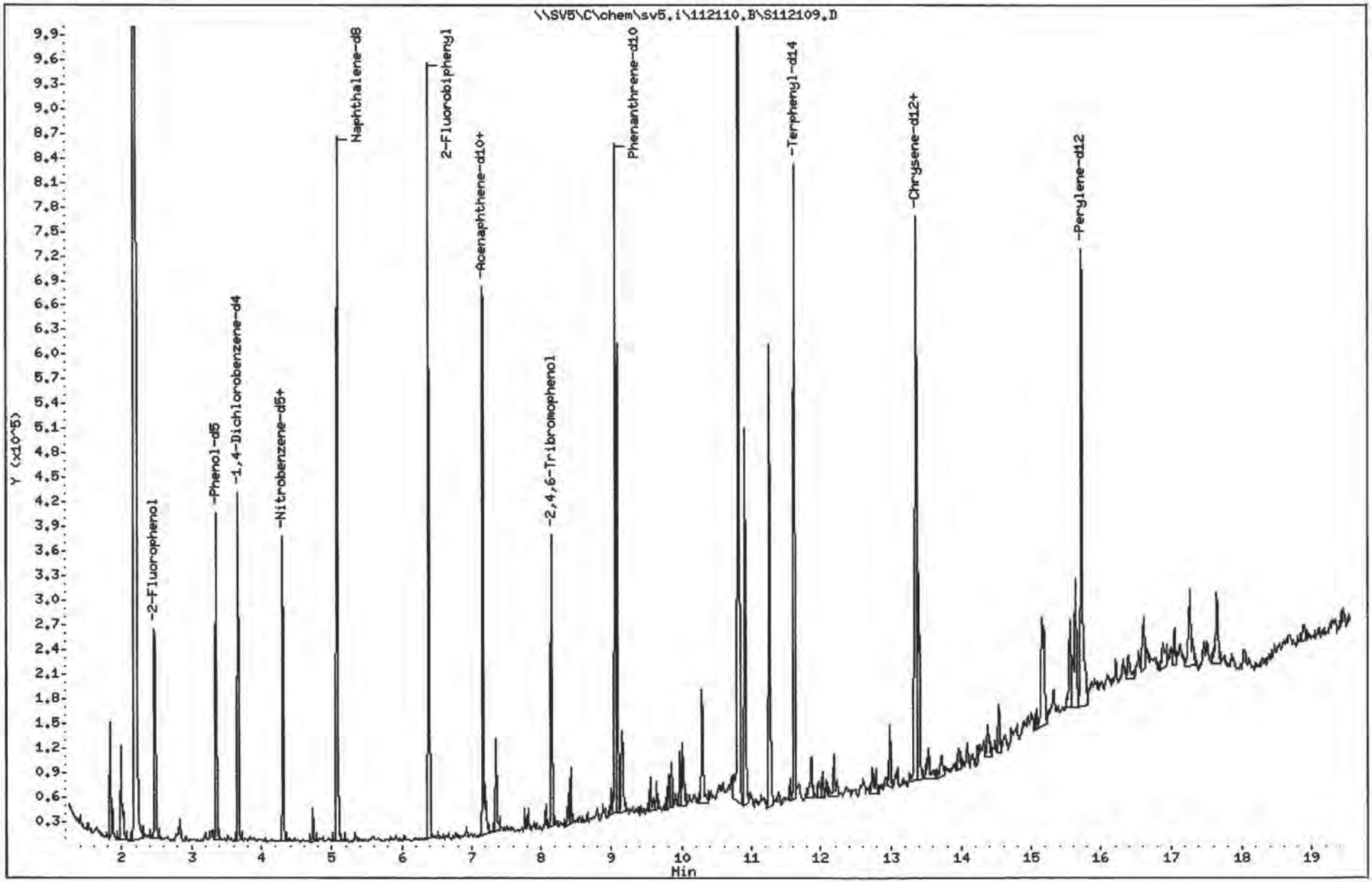
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC5P1AC G0K200425- Client Smp ID: 0324068
Level: LOW Operator: KT
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;;0;0324068;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	1595	1272	79.73	45-115
$ 8 Phenol-d5	1595	1309	82.09	44-117
$ 11 Nitrobenzene-d5	1595	1213	76.04	40-118
$ 12 2-Fluorobiphenyl	1595	1364	85.52	46-124
$ 13 2,4,6-Tribromophen	1595	1537	96.35	41-122
$ 14 Terphenyl-d14	1595	1644	103.08	44-120

Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D
Date : 21-NOV-2010 16:09
Client ID: 0324068
Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i
Operator: KT
Column diameter: 2.00



Test America West Sacramento (916) 373 - 5600

Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

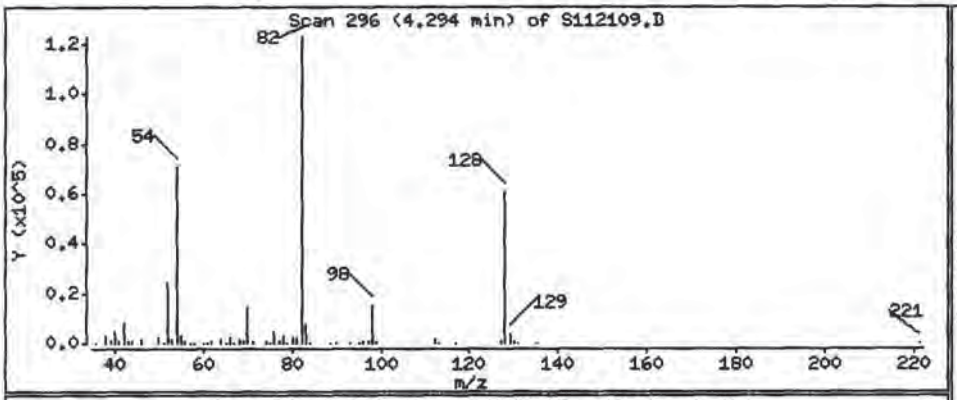
Client ID: 0324068 Instrument: sv5.i

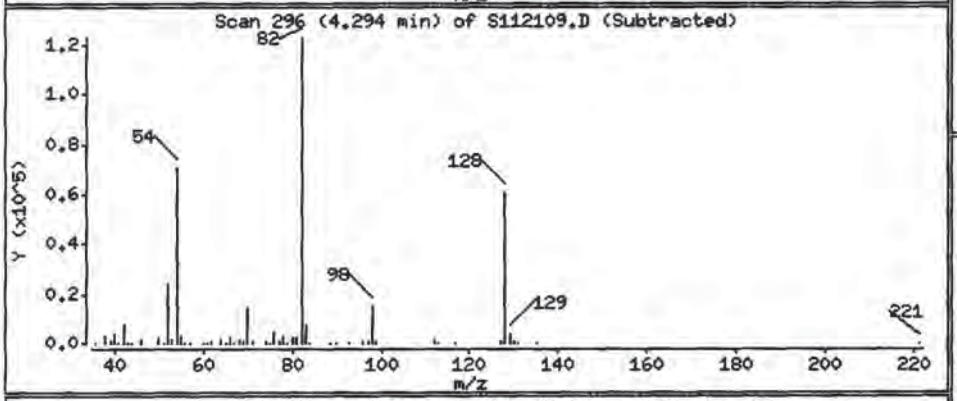
Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5

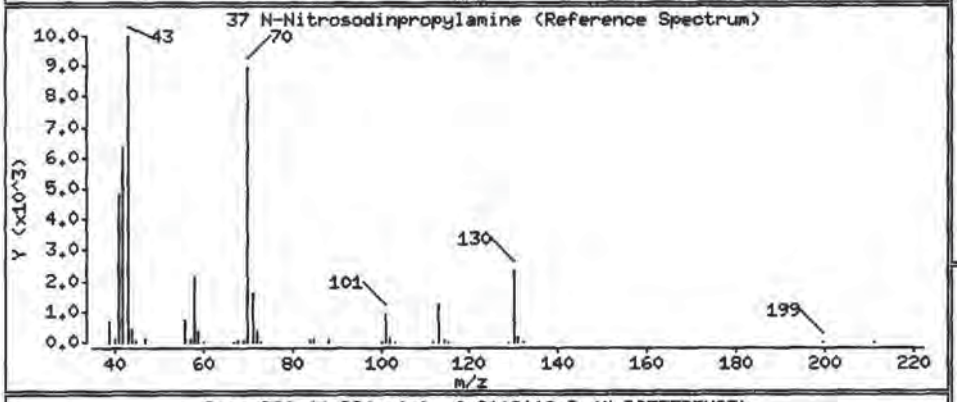
Volume Injected (uL): 1.0 Operator: KT

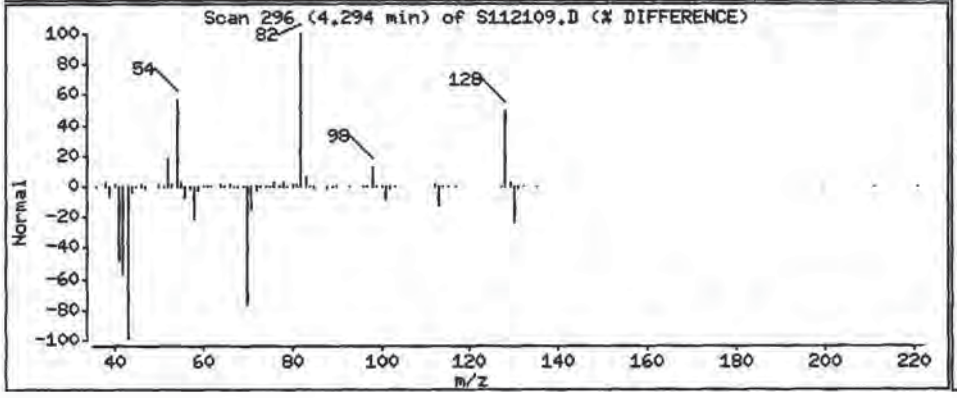
Column phase: Column diameter: 2.00

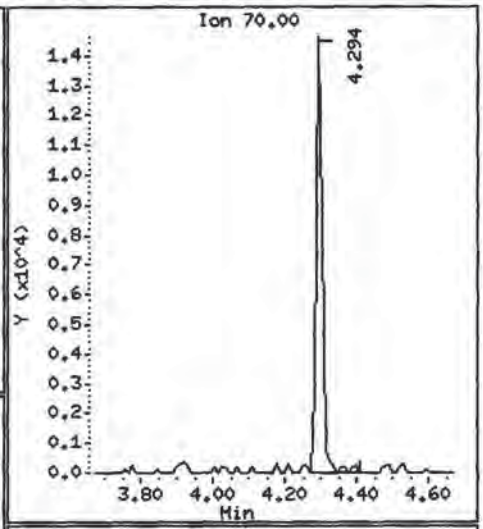
37 N-Nitrosodinpropylamine Concentration: 217.0 ug/Kg

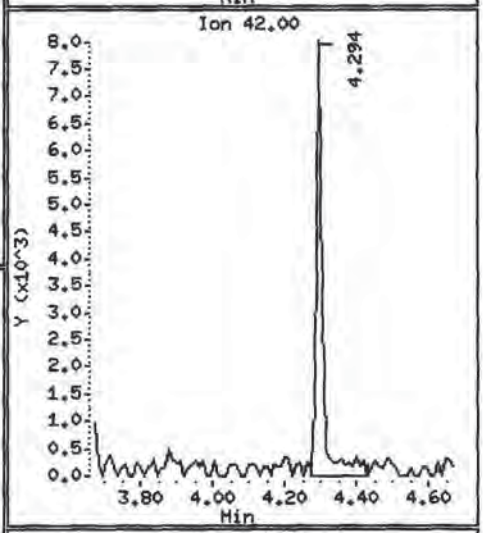


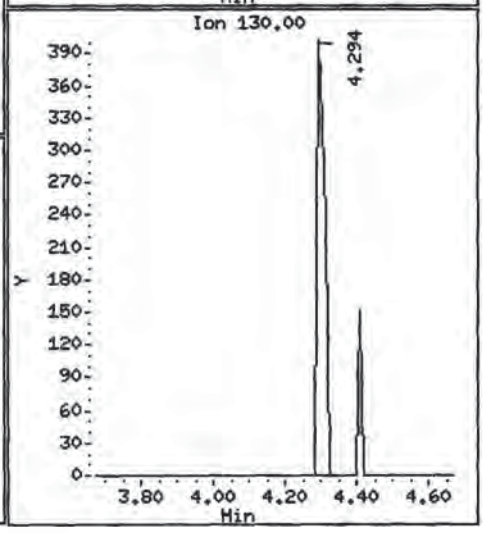












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5

Volume Injected (uL): 1.0

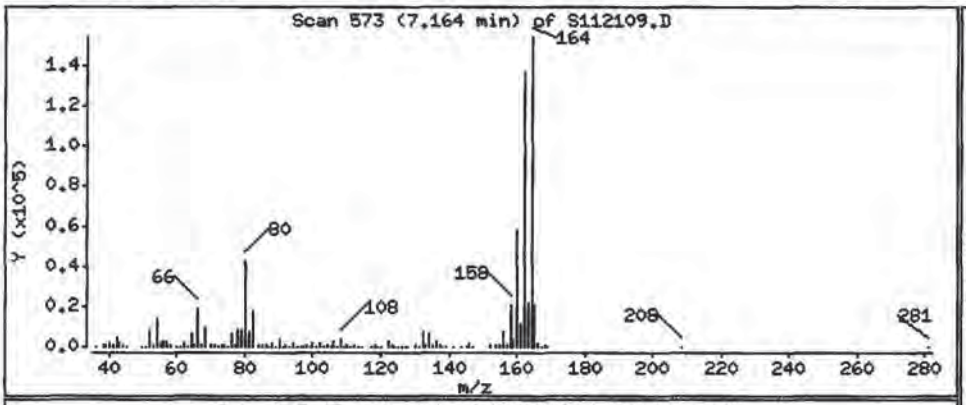
Operator: KT

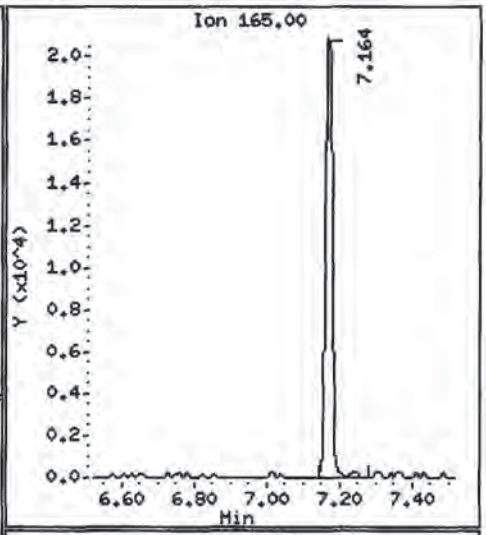
Column phase:

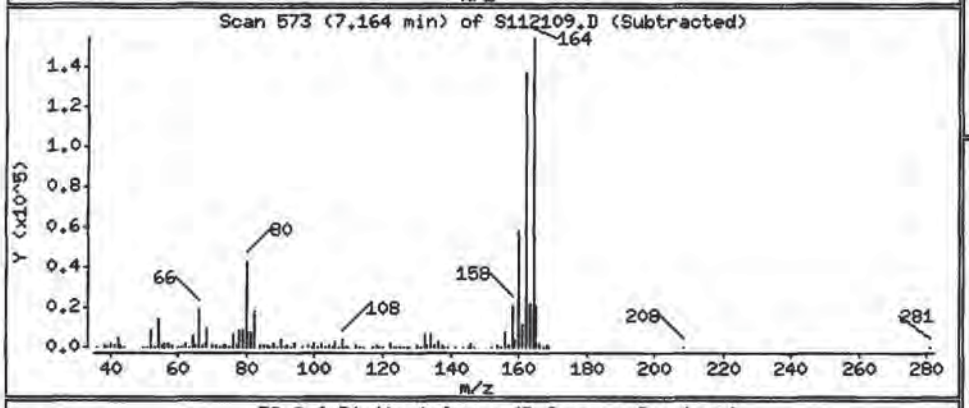
Column diameter: 2.00

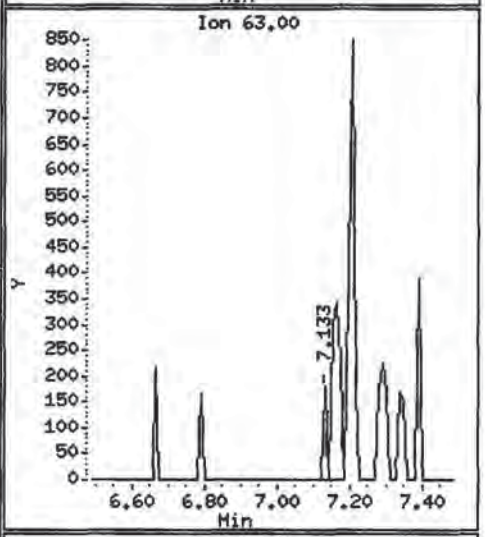
79 2,6-Dinitrotoluene

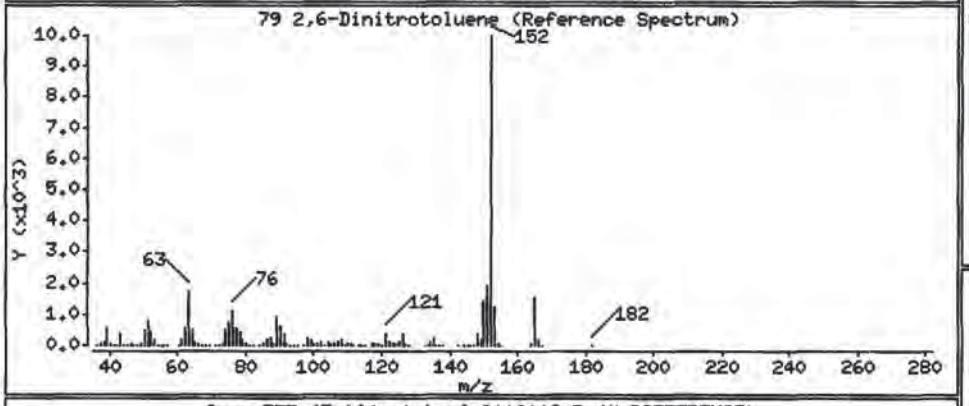
Concentration: 546.4 ug/Kg

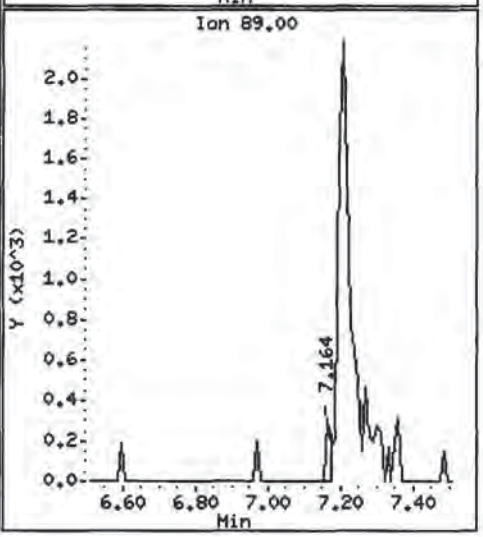


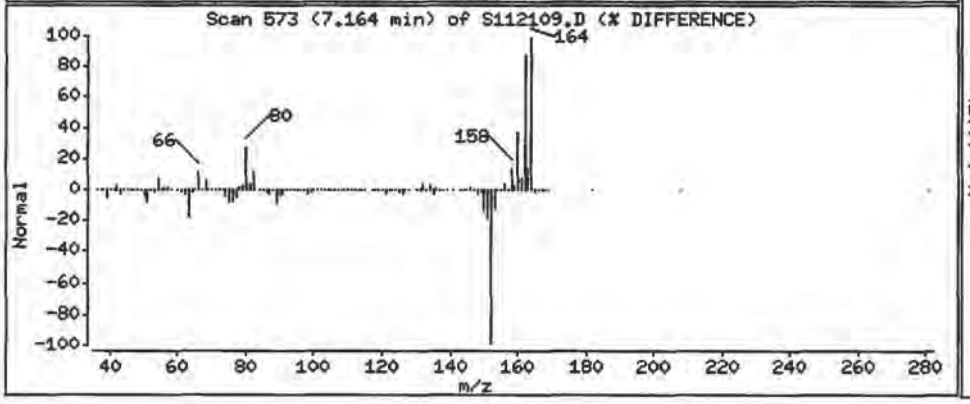












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6;0;;;;;31.35;1000;5

Volume Injected (uL): 1.0

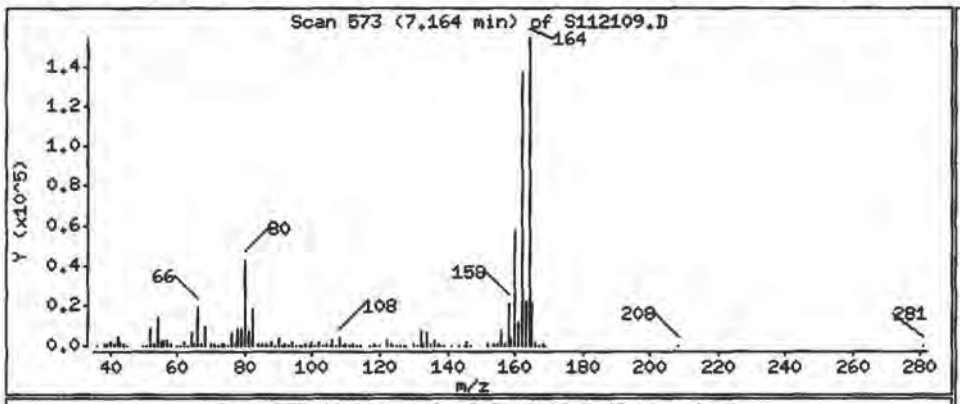
Operator: KT

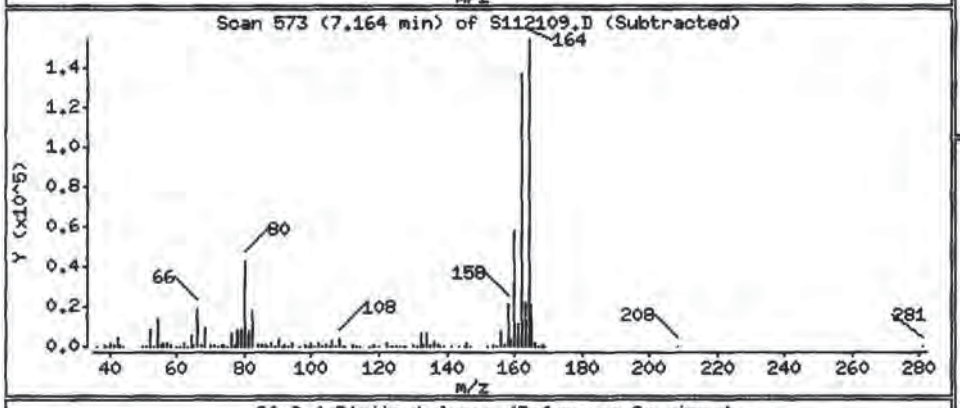
Column phase:

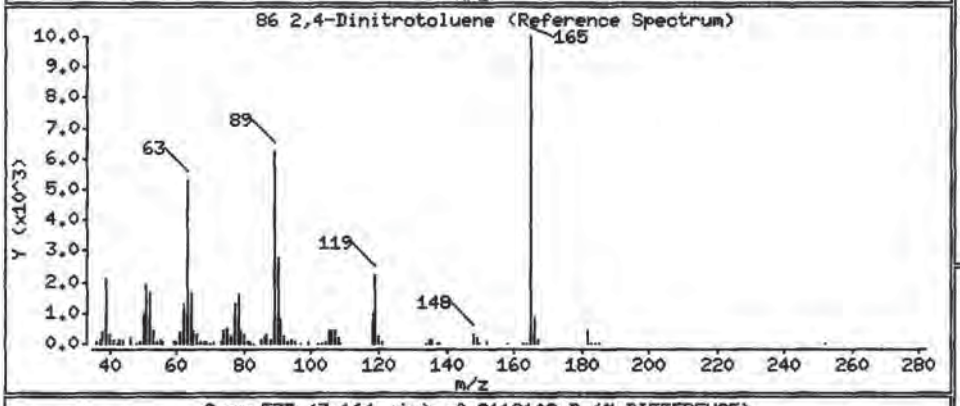
Column diameter: 2.00

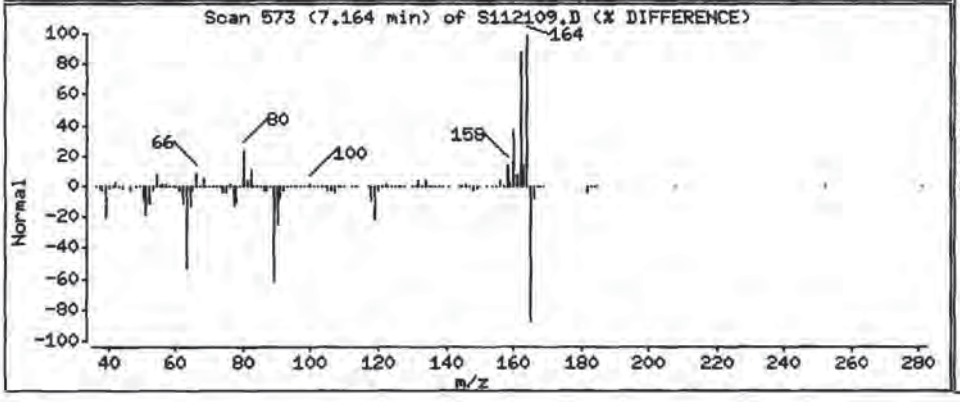
86 2,4-Dinitrotoluene

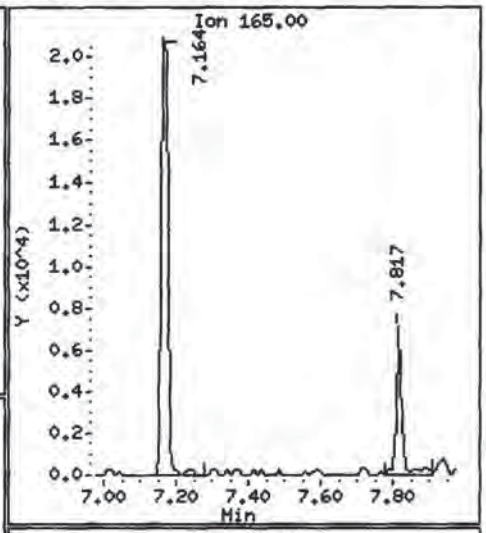
Concentration: 416.3 ug/Kg

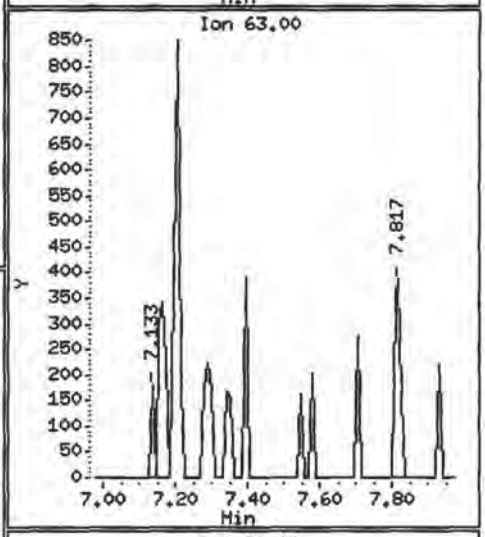


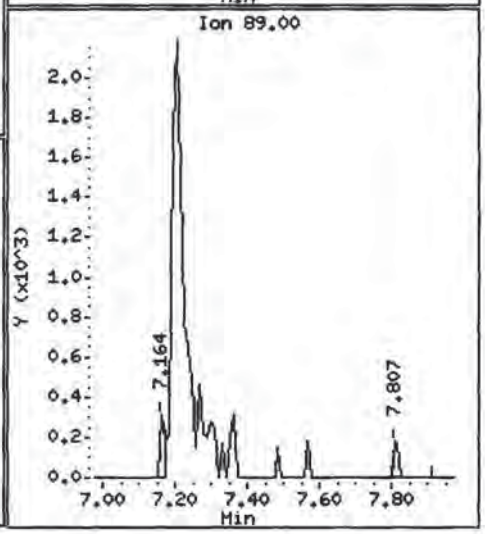












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5

Volume Injected (uL): 1.0

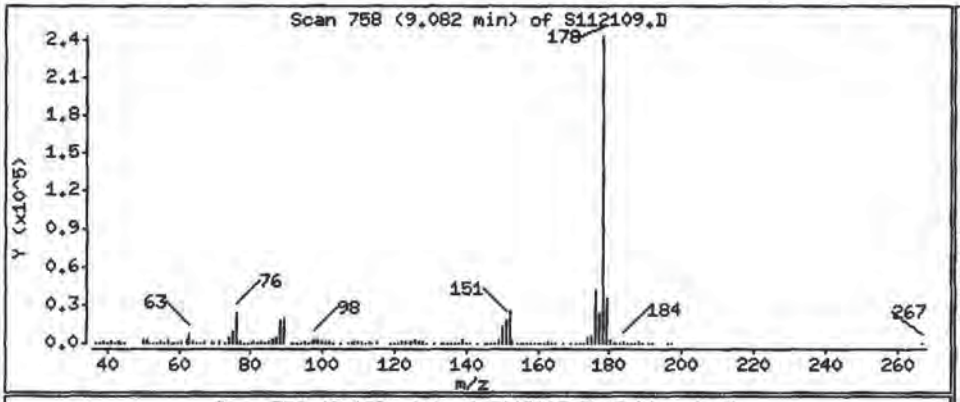
Operator: KT

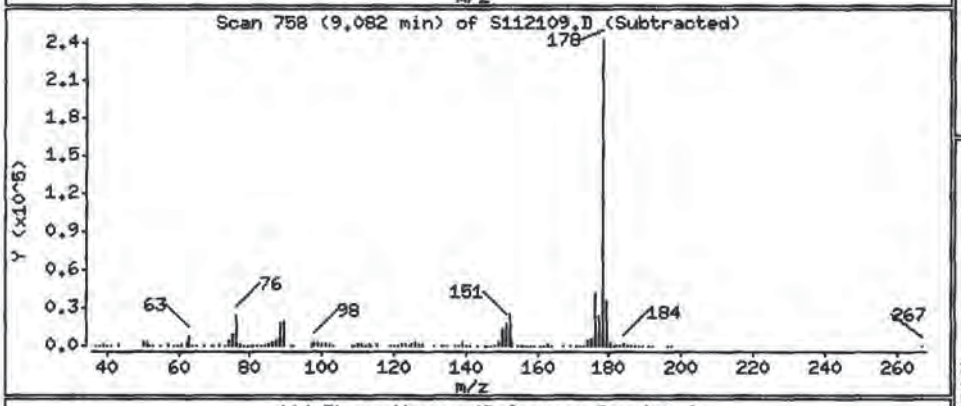
Column phase:

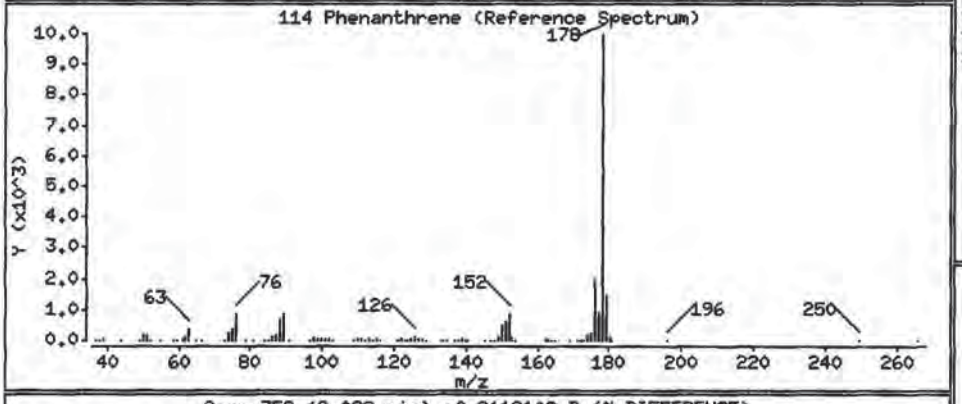
Column diameter: 2.00

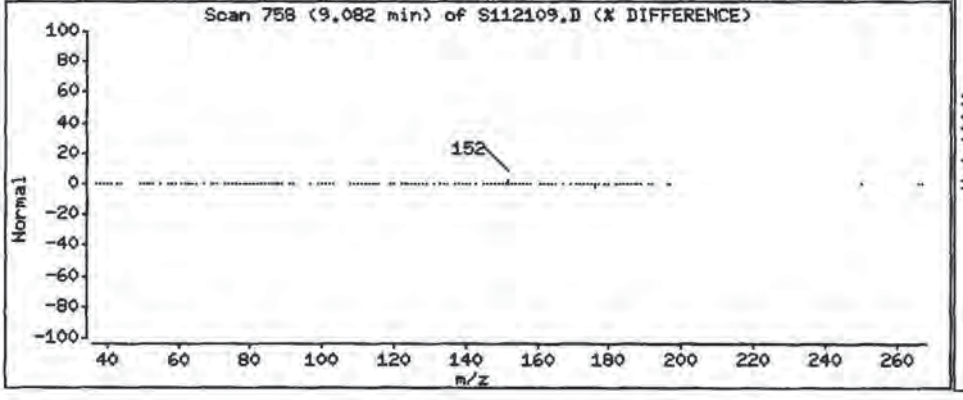
114 Phenanthrene

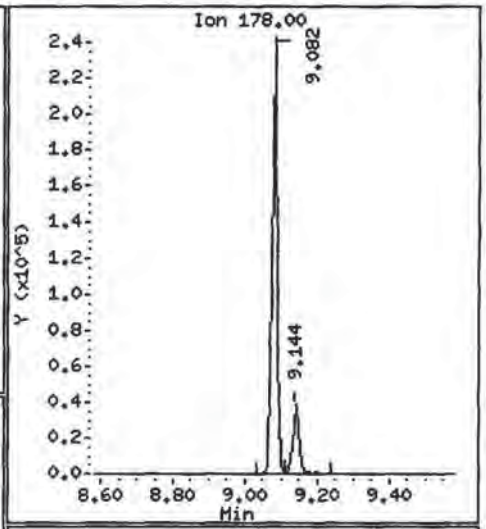
Concentration: 783.3 ug/Kg

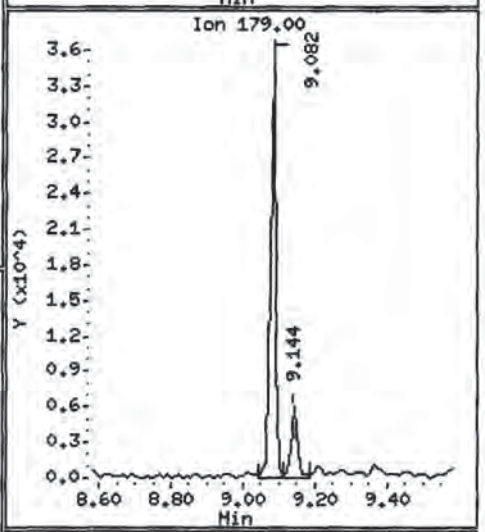


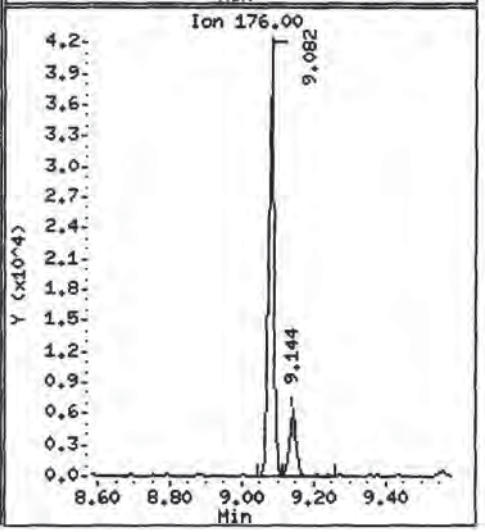












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

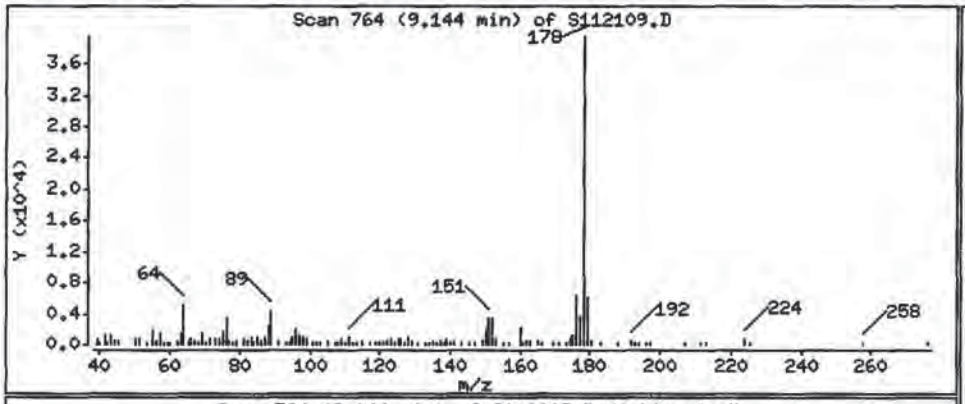
Client ID: 0324068 Instrument: sv5.i

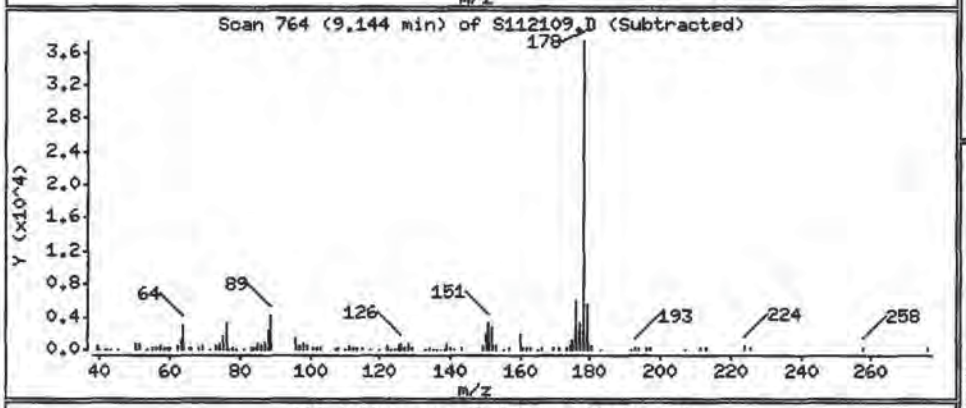
Sample Info: MAC5P1AC G0K200425-6:0;;;;31.35:1000:5

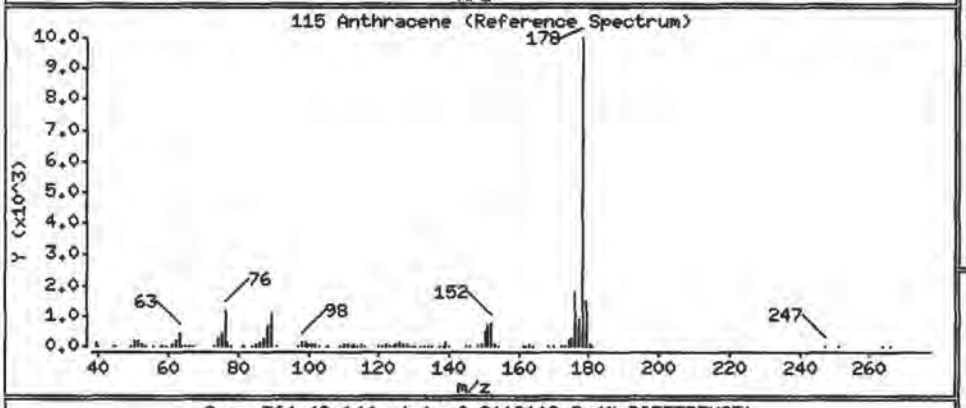
Volume Injected (uL): 1.0 Operator: KT

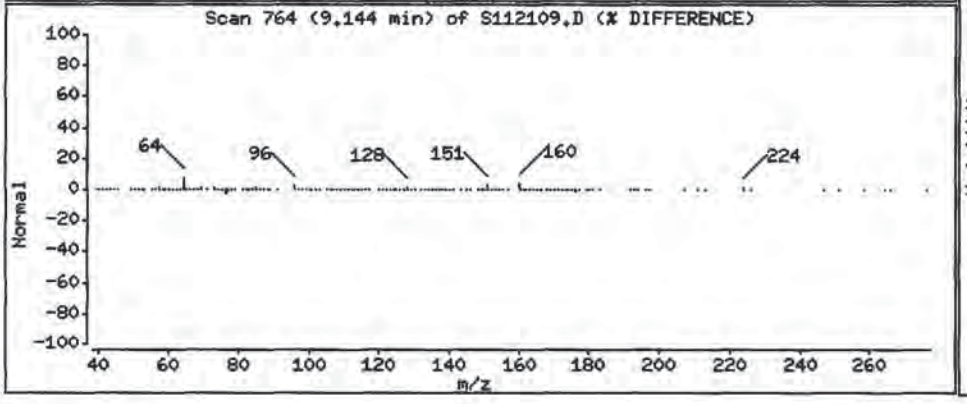
Column phase: Column diameter: 2.00

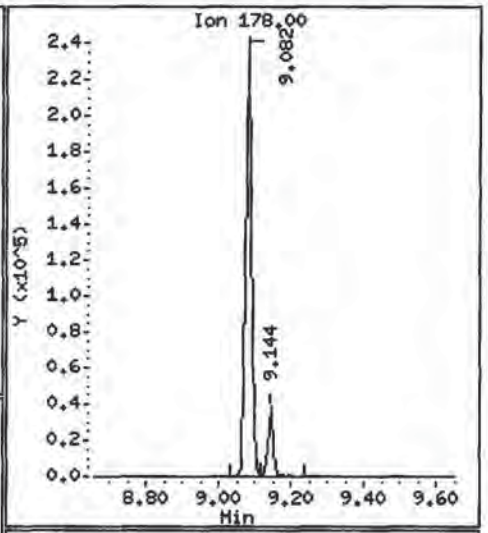
115 Anthracene Concentration: 136.2 ug/Kg

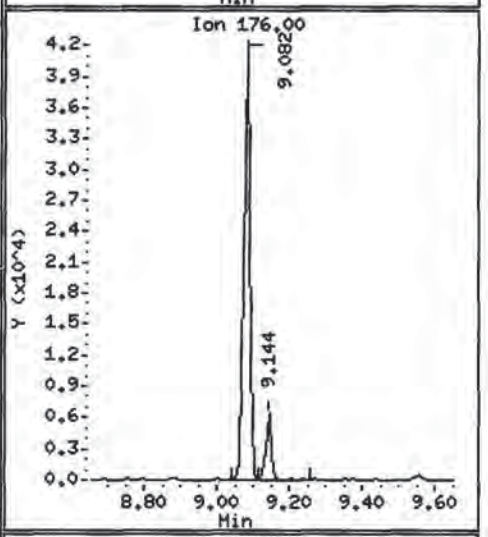


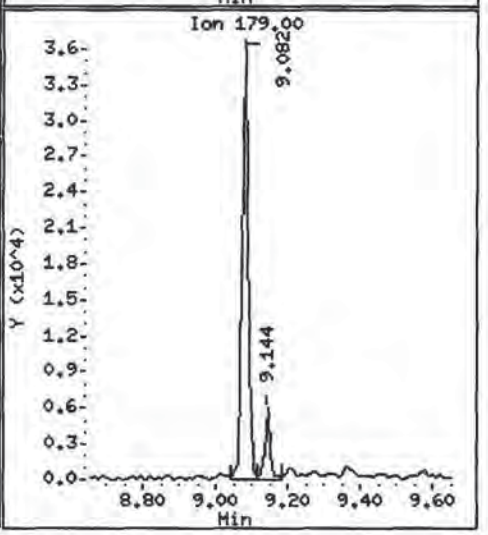












Data File: \\SV5\C\ohem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5

Volume Injected (uL): 1.0

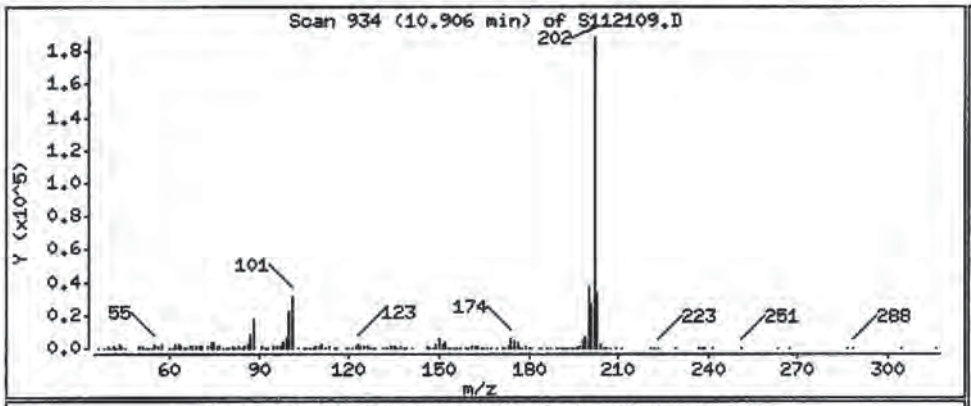
Operator: KT

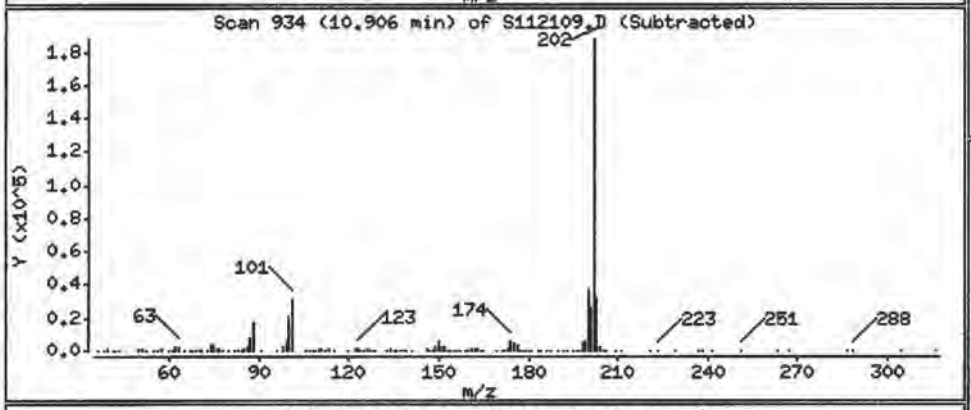
Column phase:

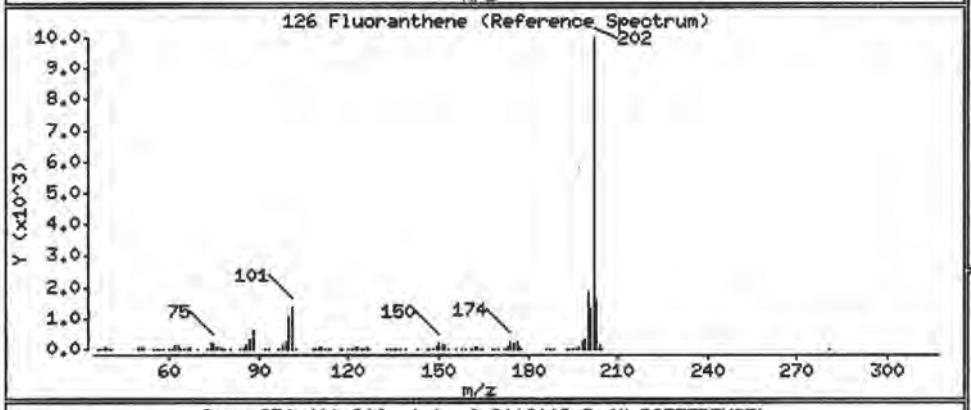
Column diameter: 2.00

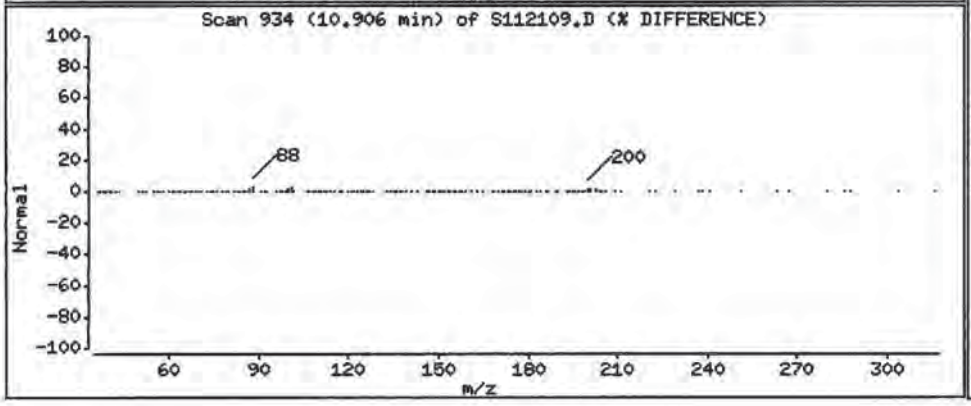
126 Fluoranthene

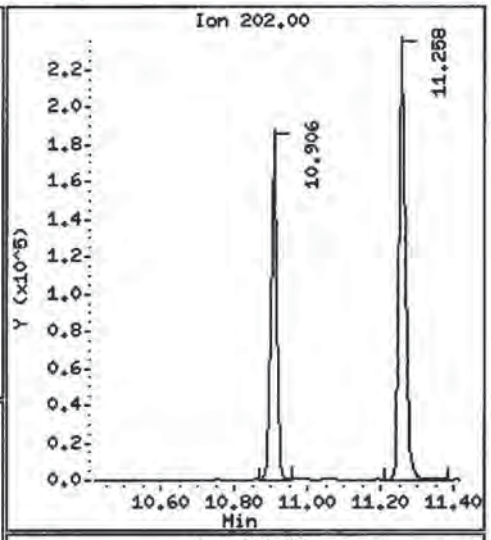
Concentration: 778.1 ug/Kg

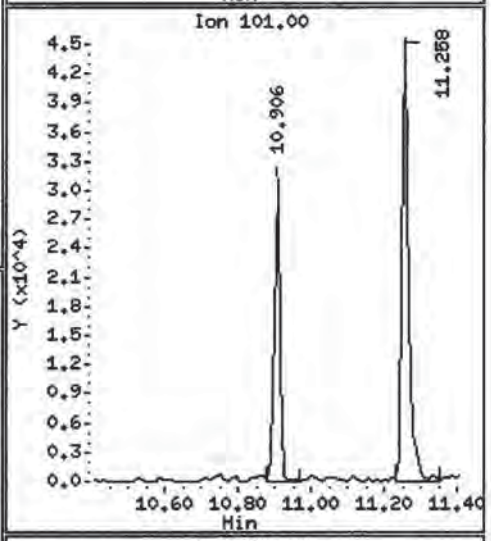


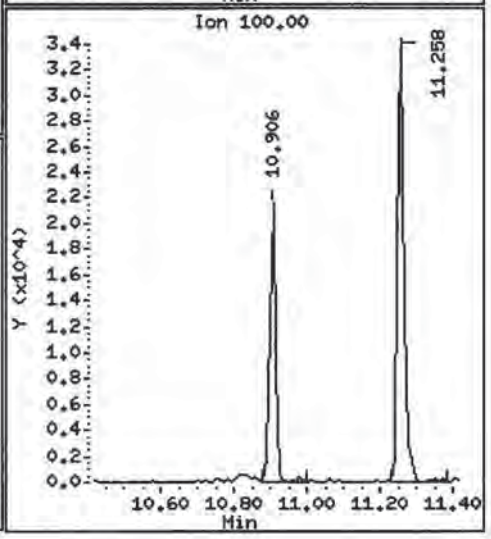












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5

Volume Injected (uL): 1.0

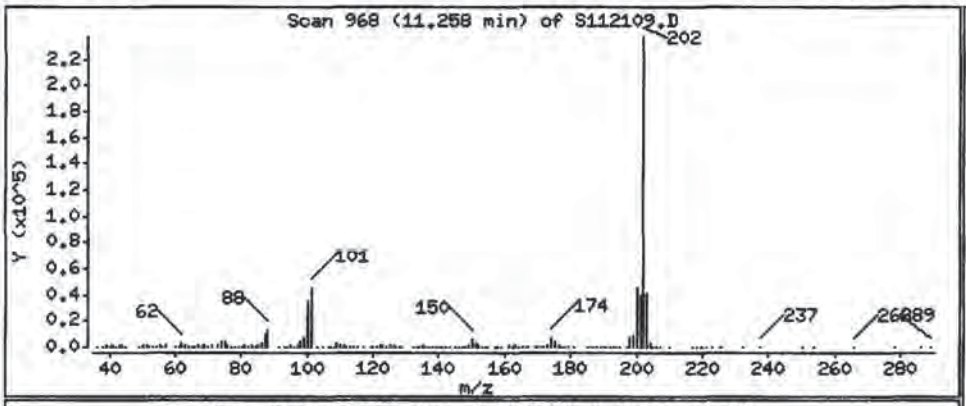
Operator: KT

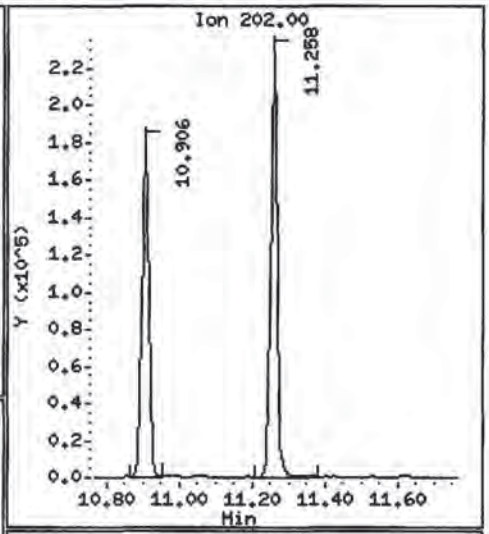
Column phase:

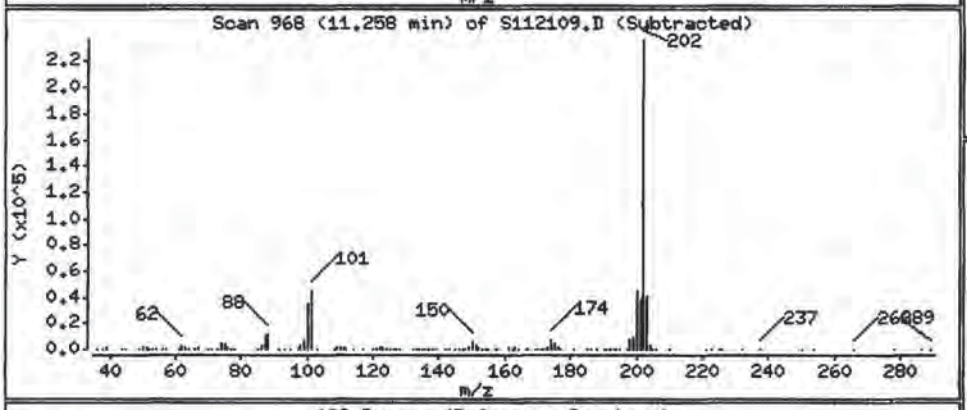
Column diameter: 2.00

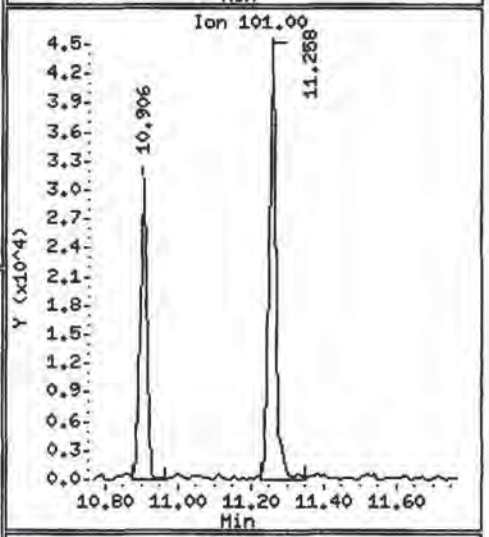
128 Pyrene

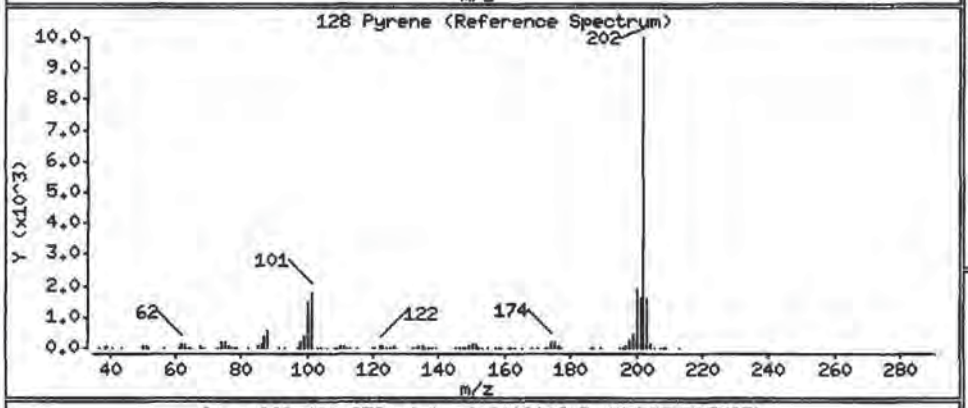
Concentration: 920.9 ug/Kg

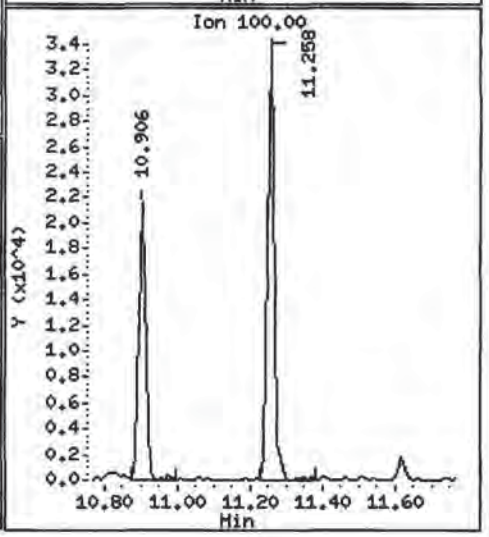


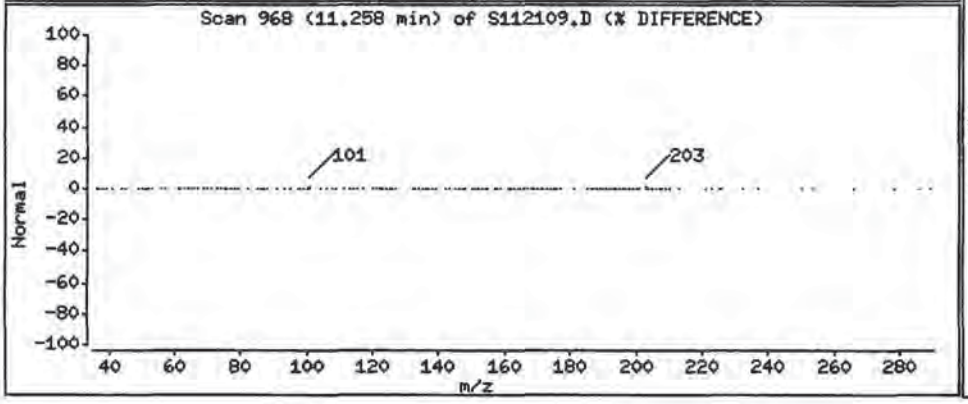












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5

Volume Injected (uL): 1.0

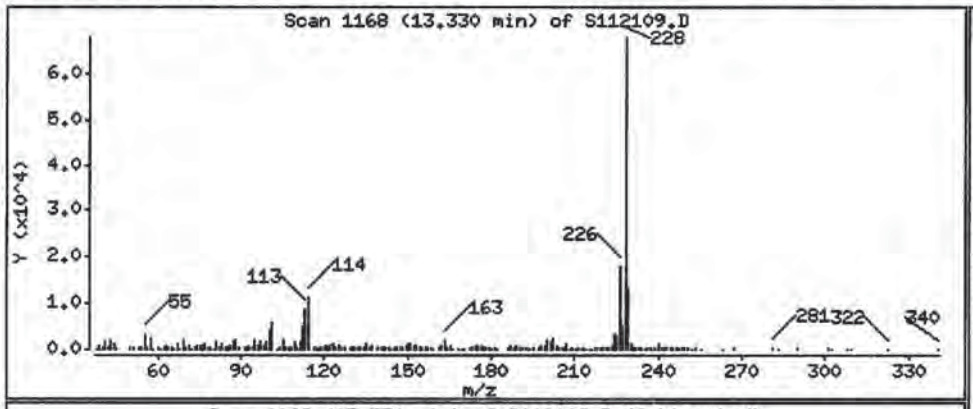
Operator: KT

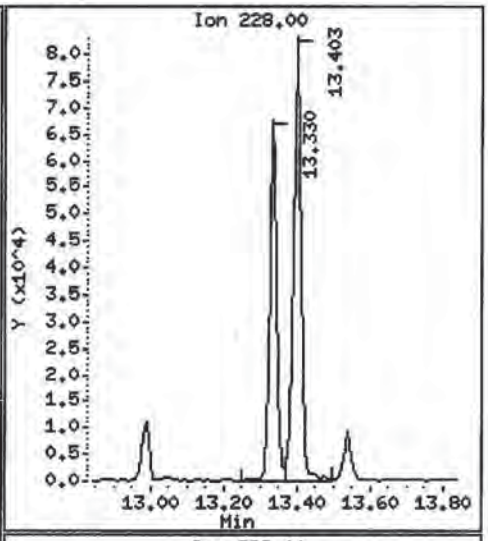
Column phase:

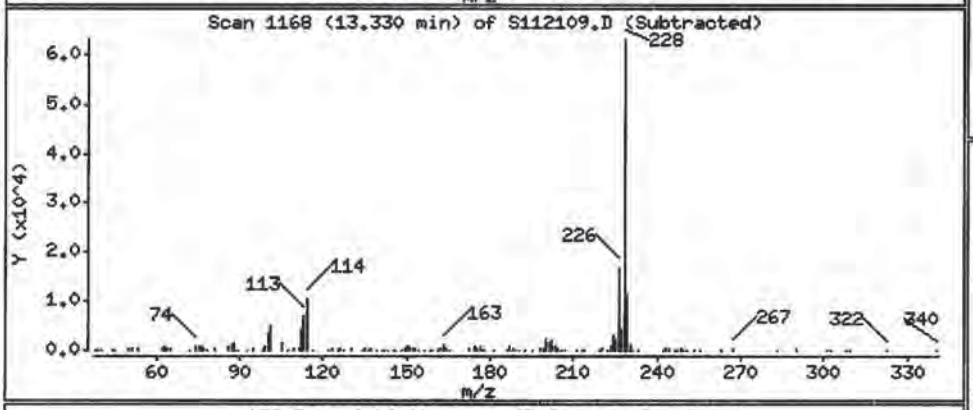
Column diameter: 2.00

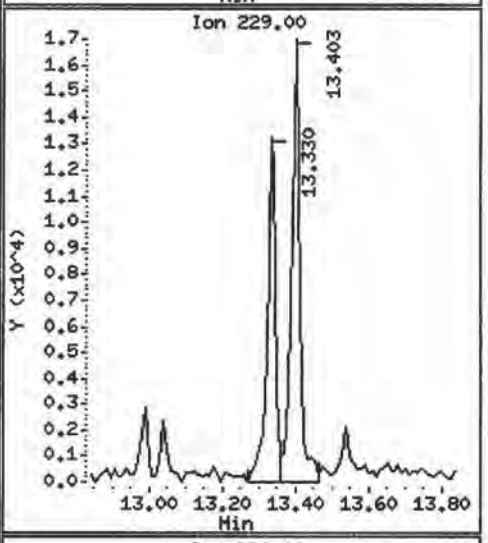
138 Benzo(a)Anthracene

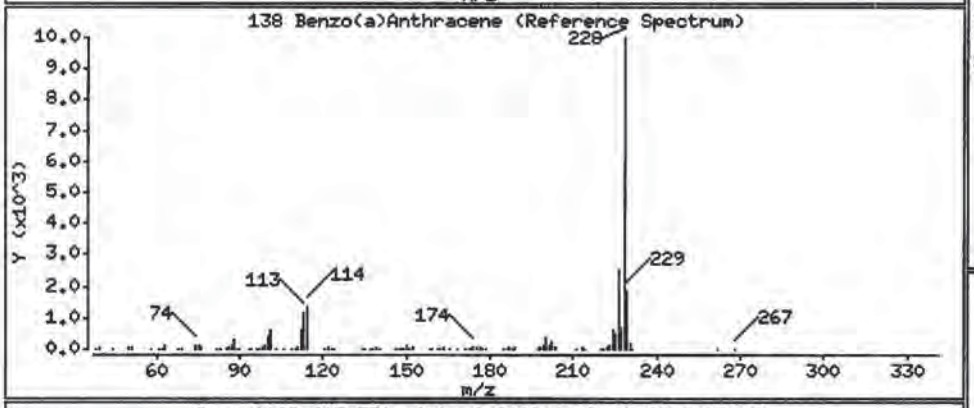
Concentration: 381.3 ug/Kg

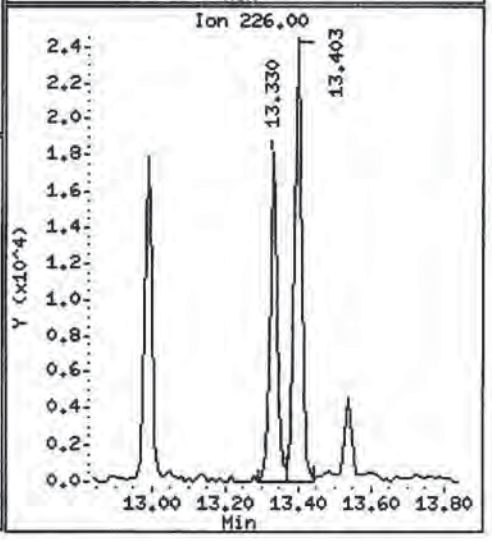


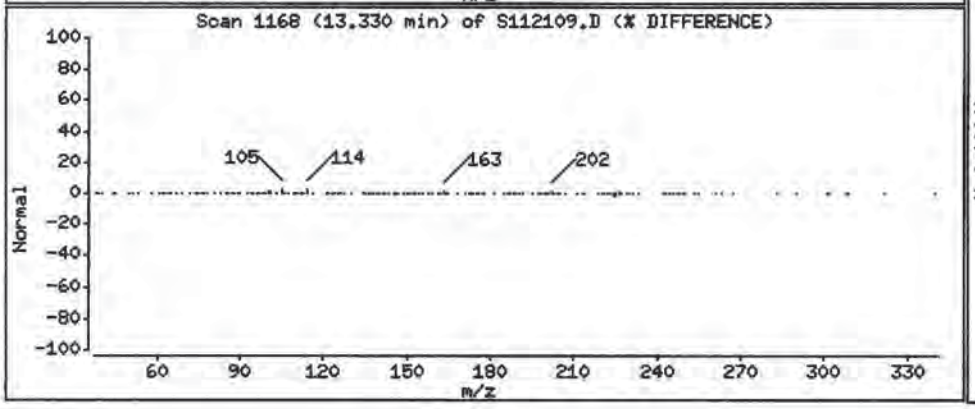












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6:0:;;;;31.35:1000:5

Volume Injected (uL): 1.0

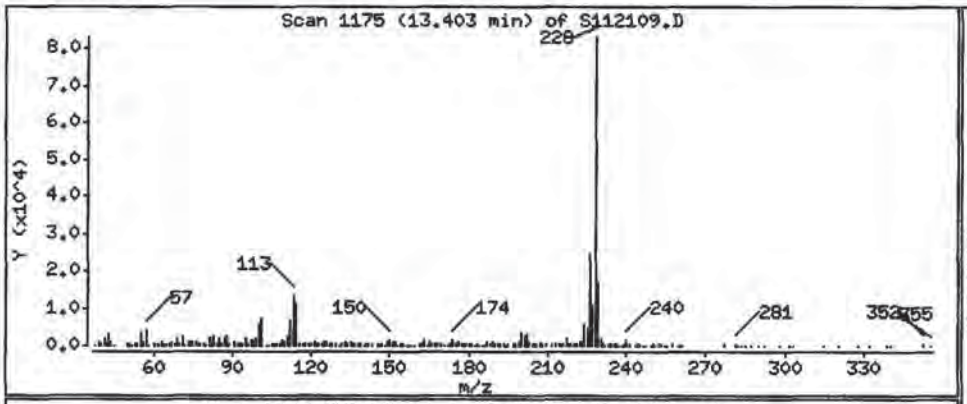
Operator: KT

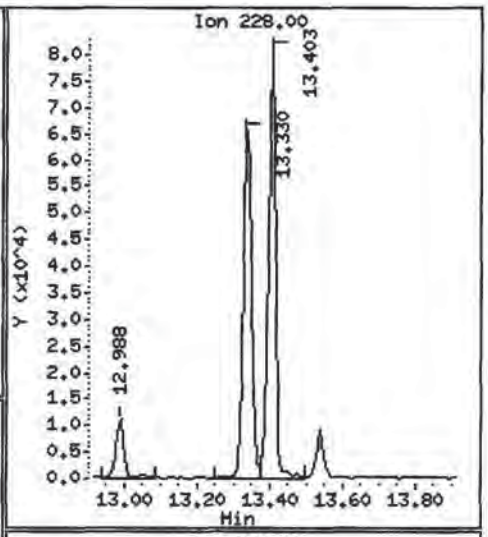
Column phase:

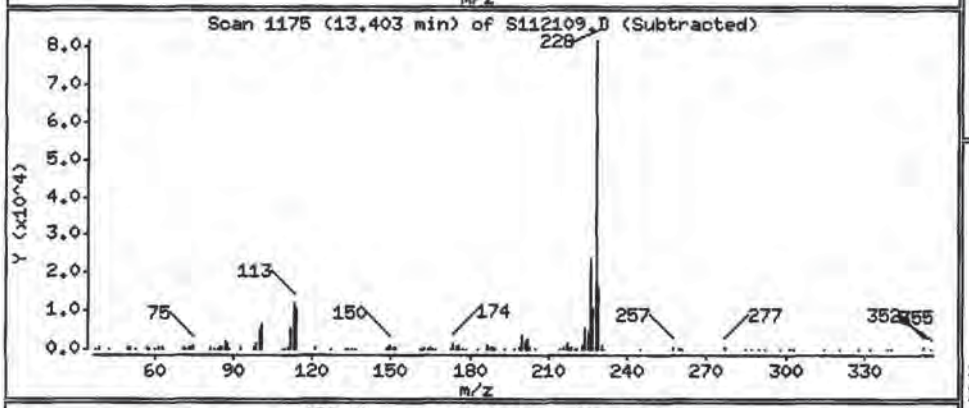
Column diameter: 2.00

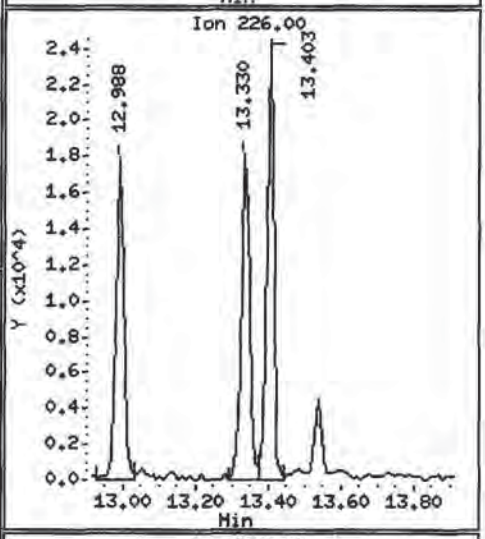
139 Chrysene

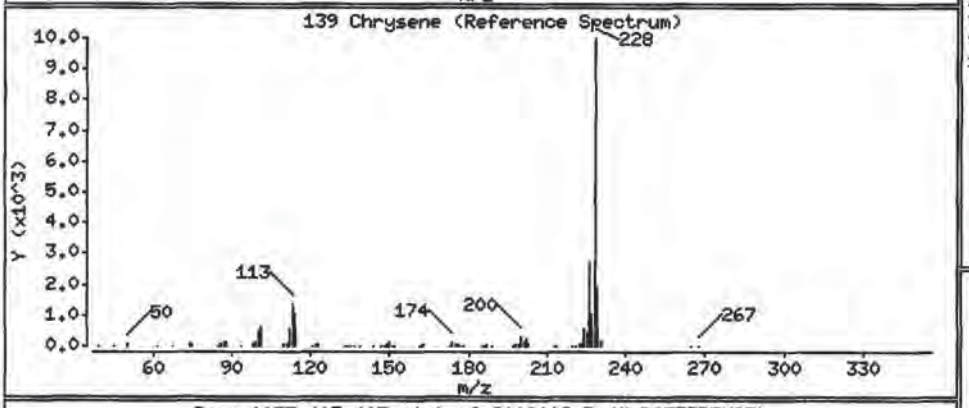
Concentration: 410.7 ug/Kg

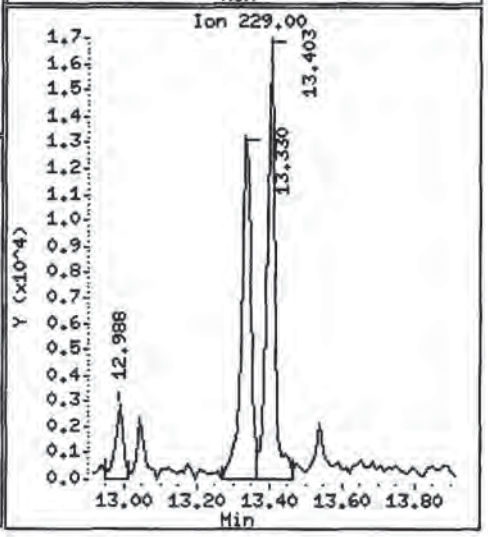


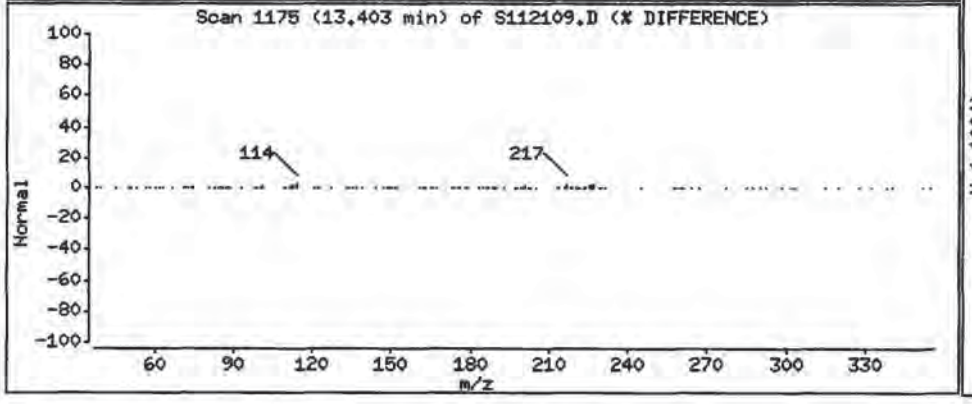












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5

Volume Injected (uL): 1.0

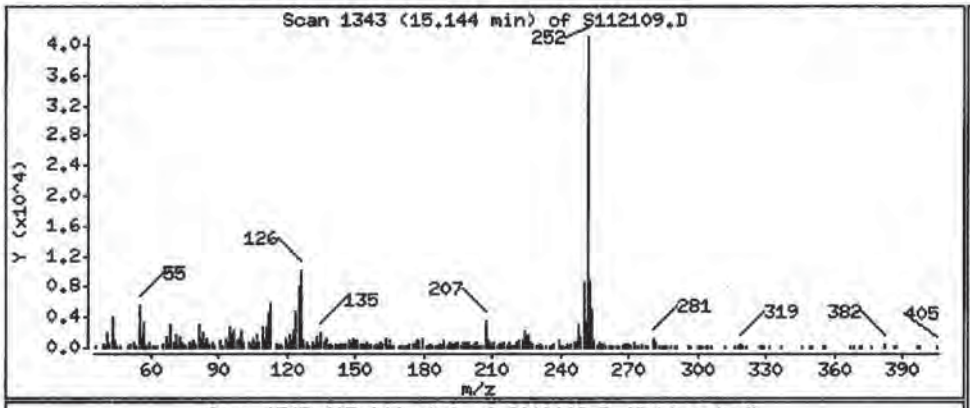
Operator: KT

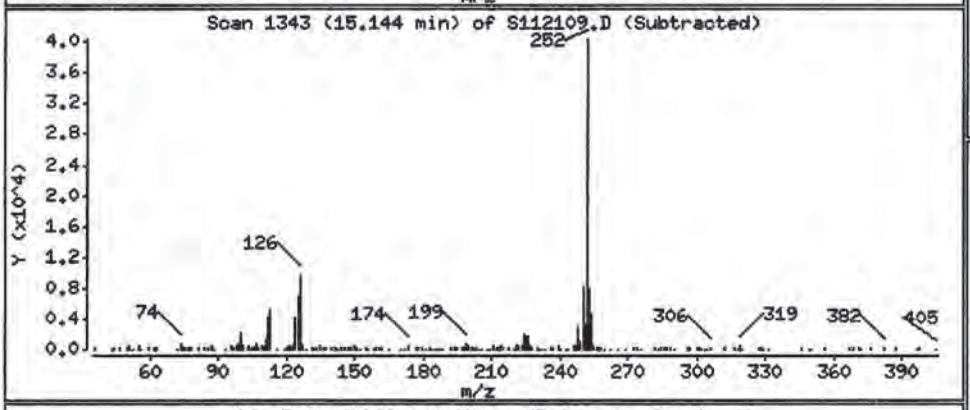
Column phase:

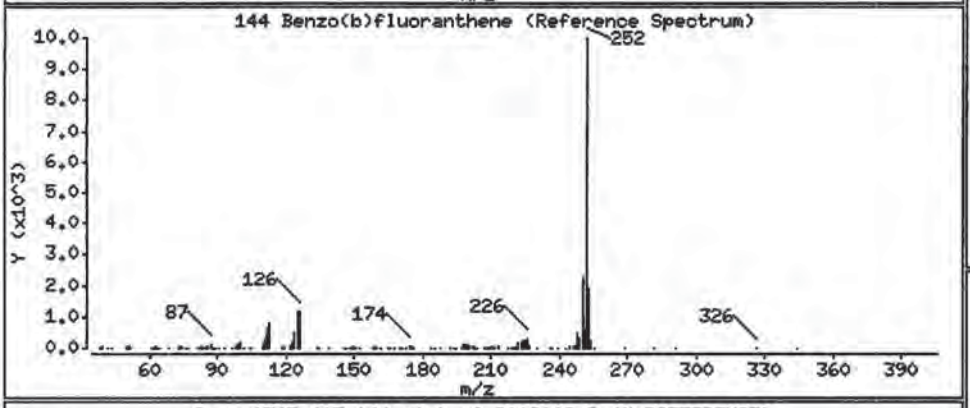
Column diameter: 2.00

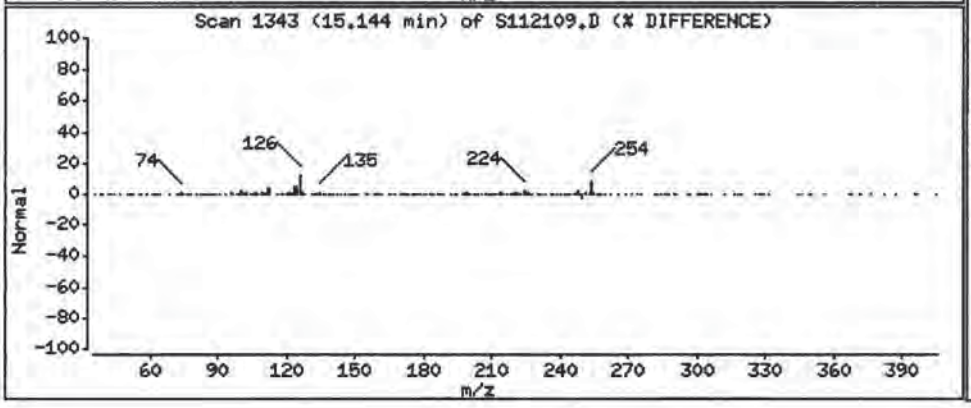
144 Benzo(b)fluoranthene

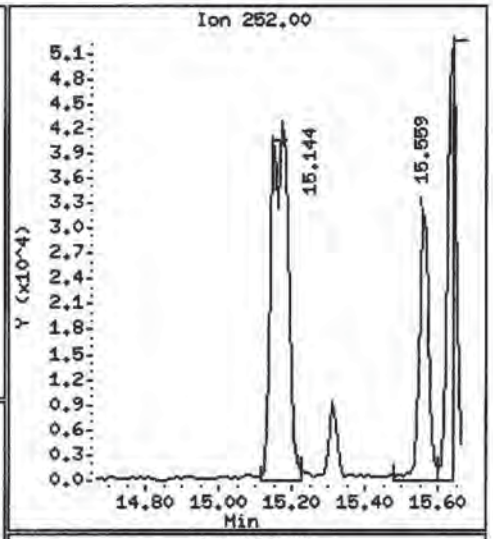
Concentration: 629.0 ug/Kg

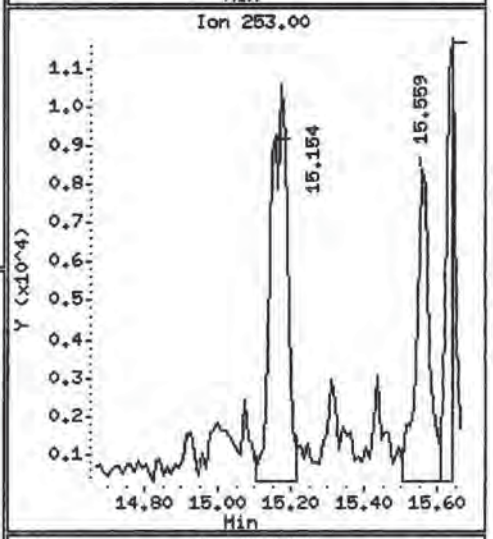


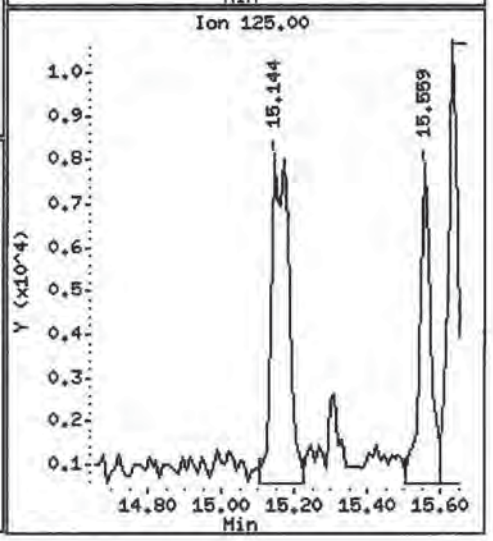












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

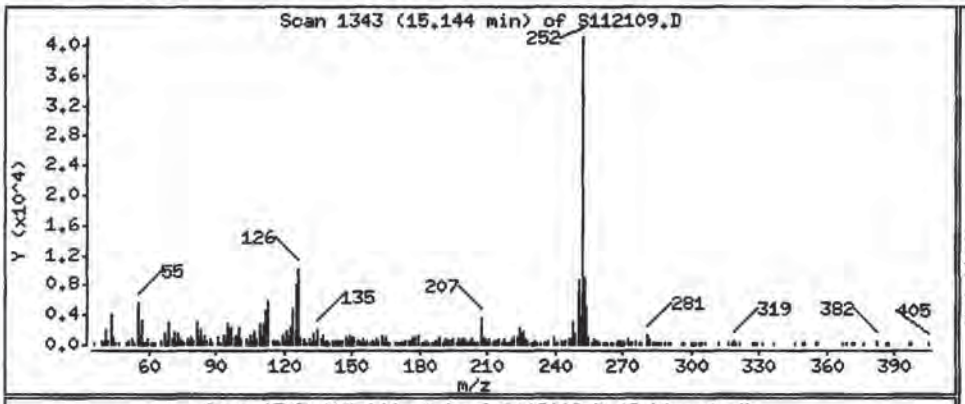
Client ID: 0324068 Instrument: sv5.i

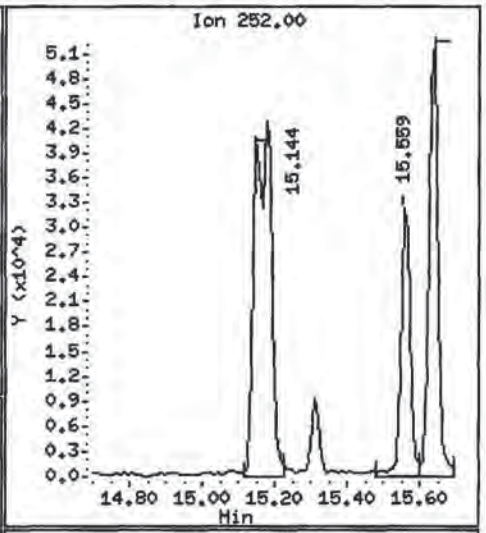
Sample Info: MAC5P1AC G0K200425-6:0:::::31.35:1000:5

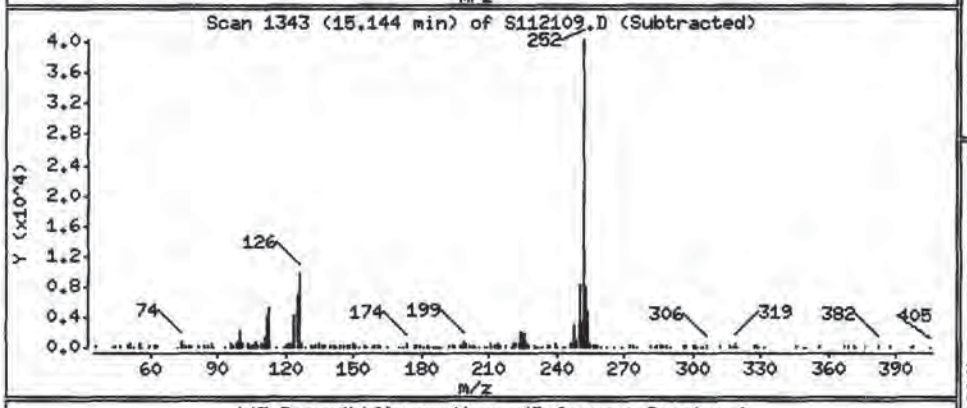
Volume Injected (uL): 1.0 Operator: KT

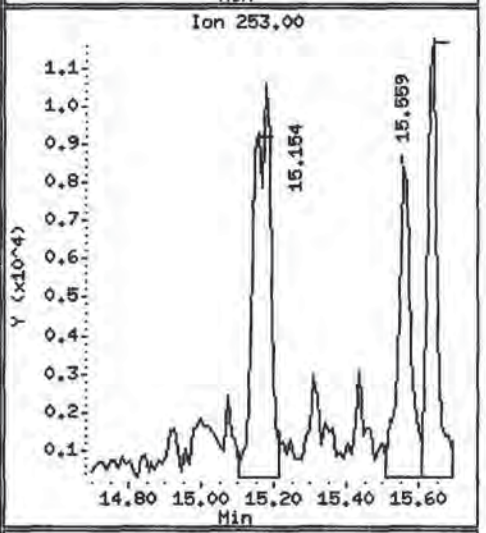
Column phase: Column diameter: 2.00

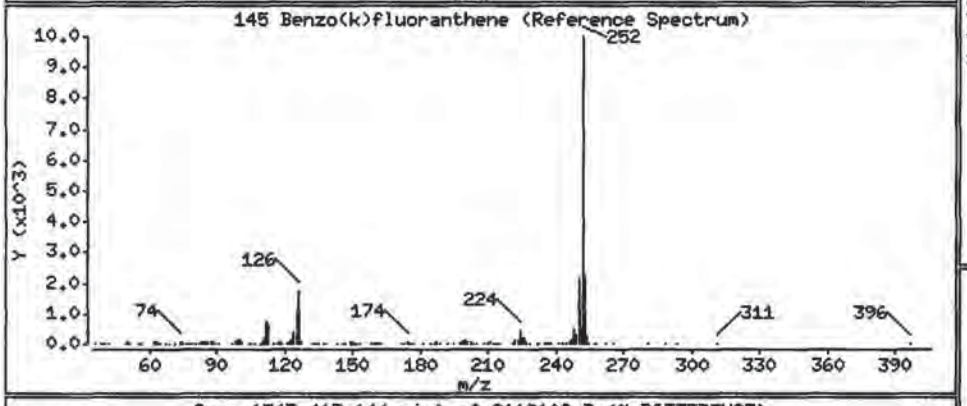
145 Benzo(k)fluoranthene Concentration: 490.0 ug/Kg

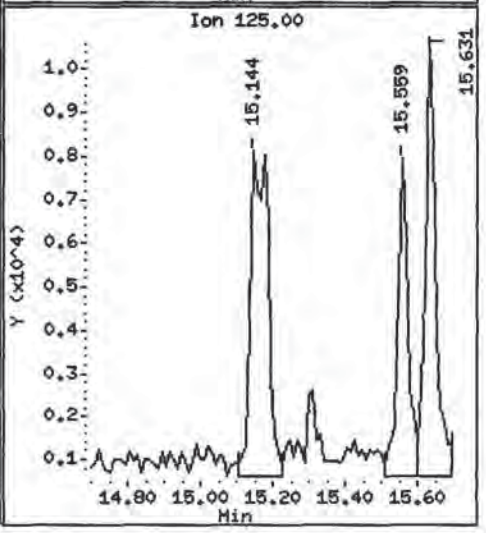


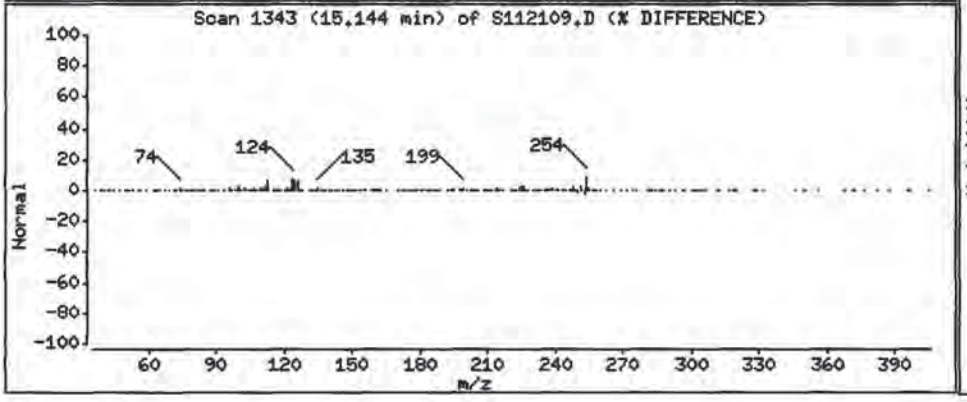












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: HAC5P1AC G0K200425-6;0;;;;;31.35;1000;5

Volume Injected (uL): 1.0

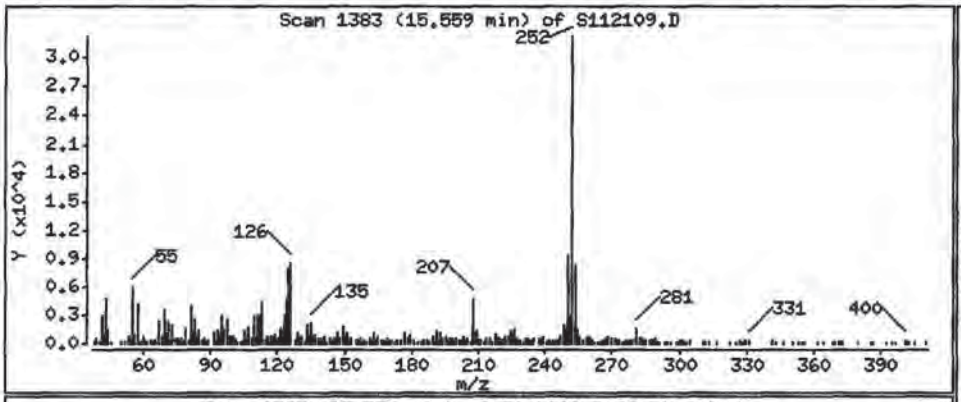
Operator: KT

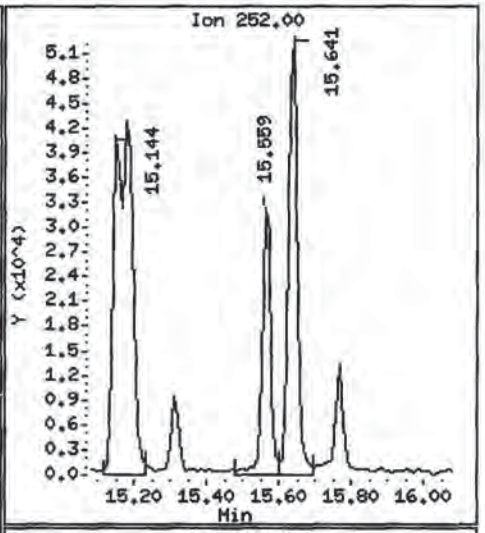
Column phase:

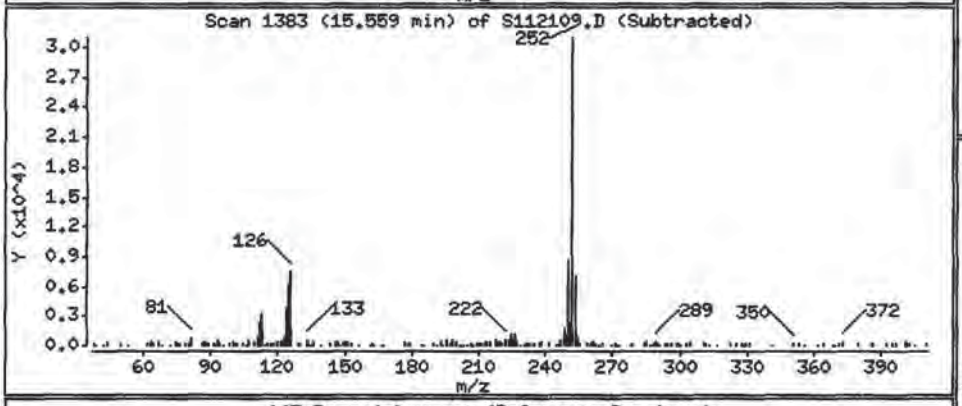
Column diameter: 2.00

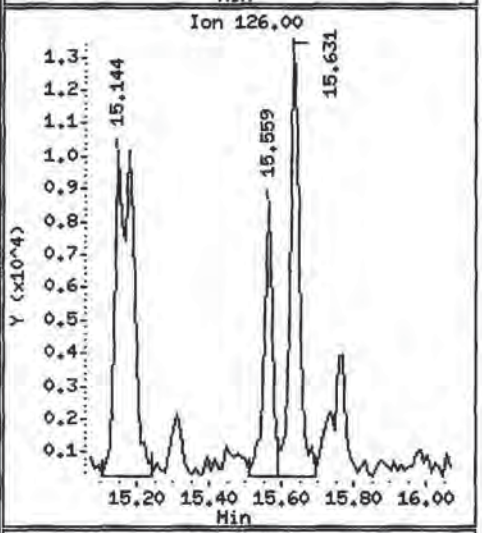
147 Benzo(e)pyrene

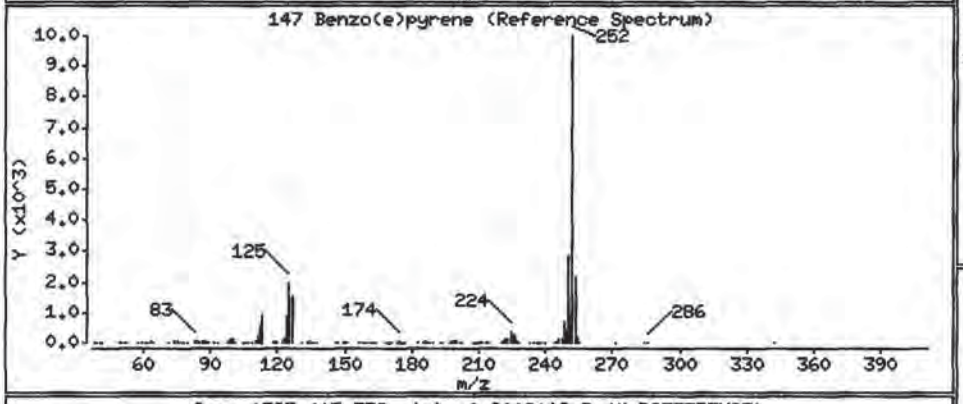
Concentration: 238.2 ug/Kg

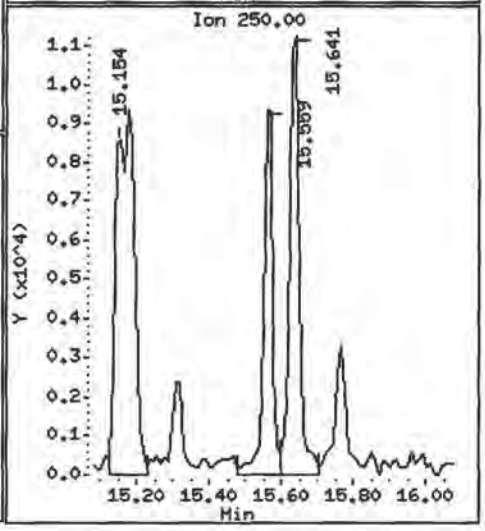


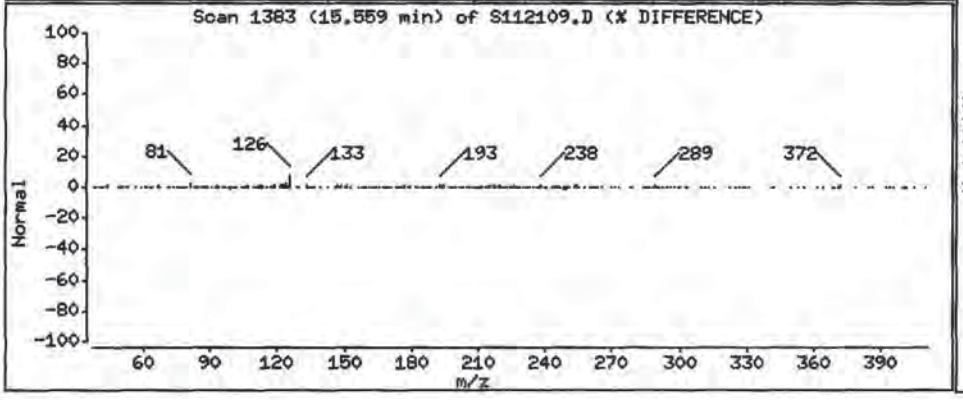












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5

Volume Injected (uL): 1.0

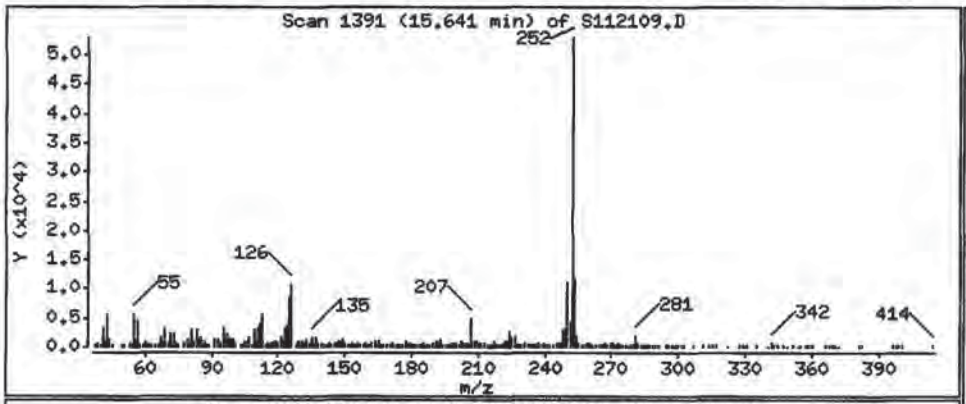
Operator: KT

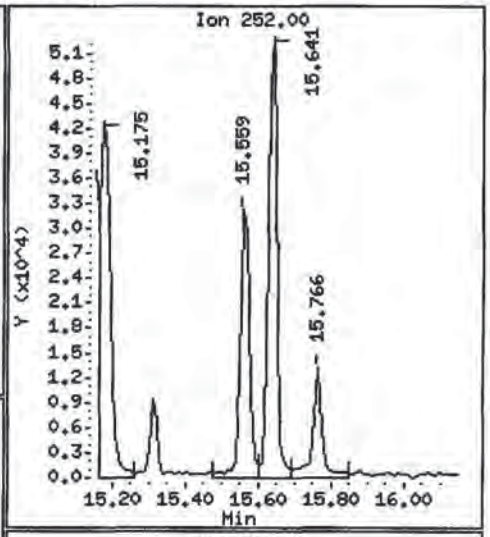
Column phase:

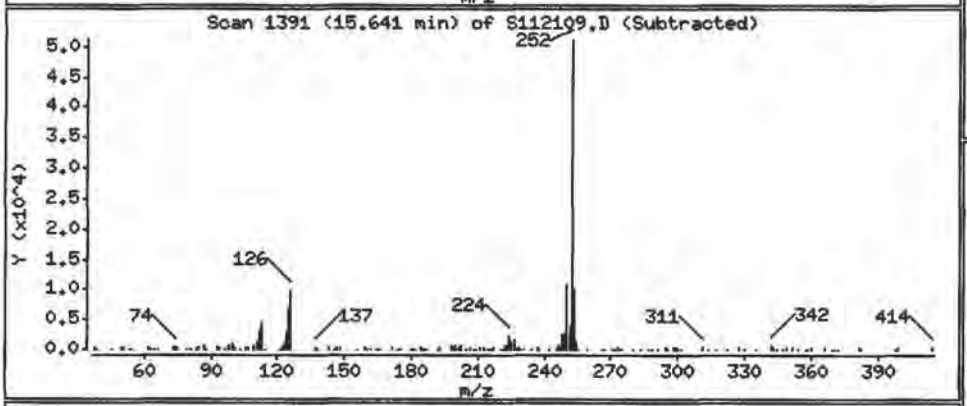
Column diameter: 2.00

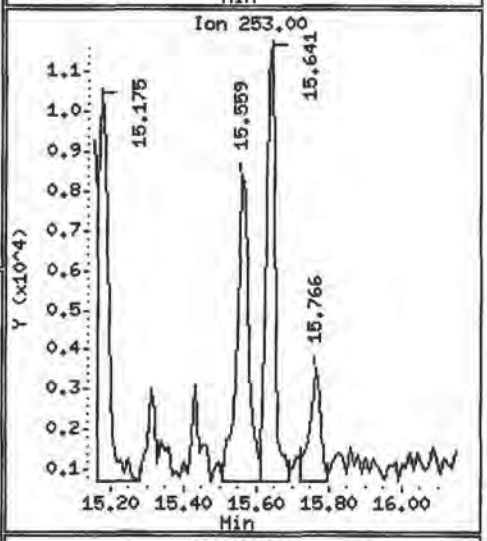
148 Benzo(a)pyrene

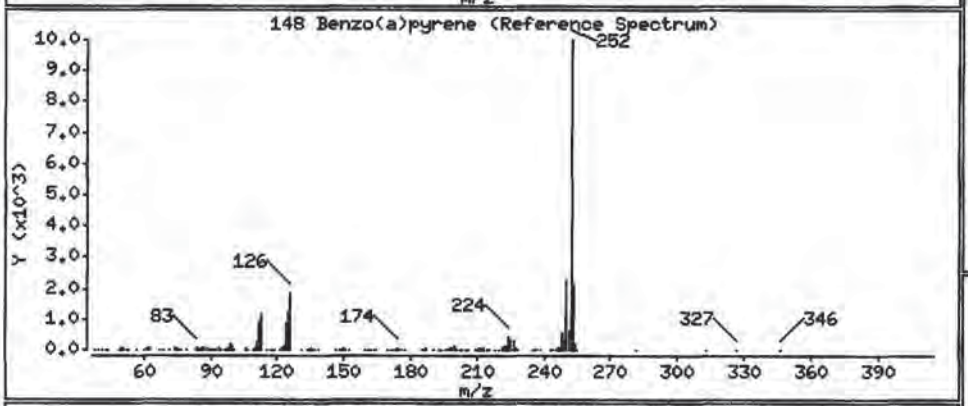
Concentration: 342.2 ug/Kg

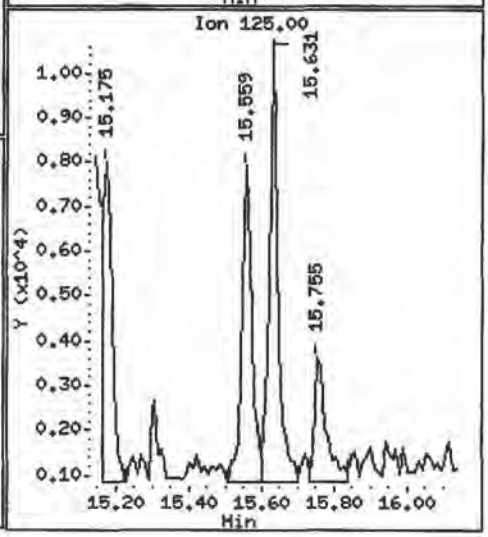


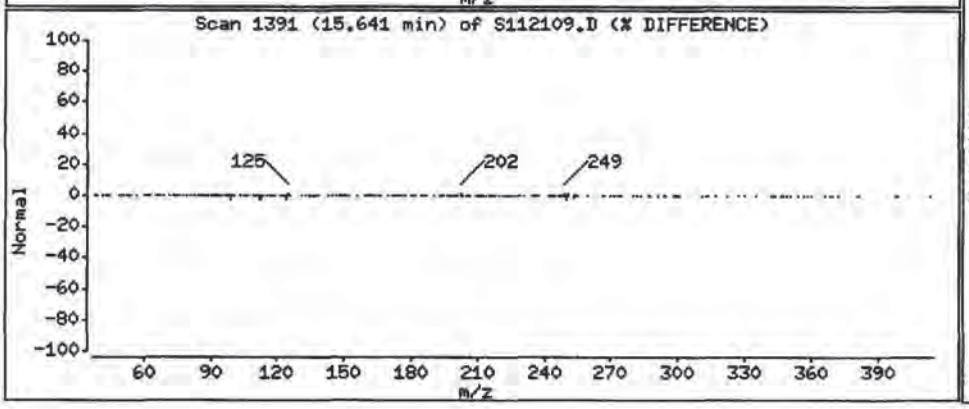












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

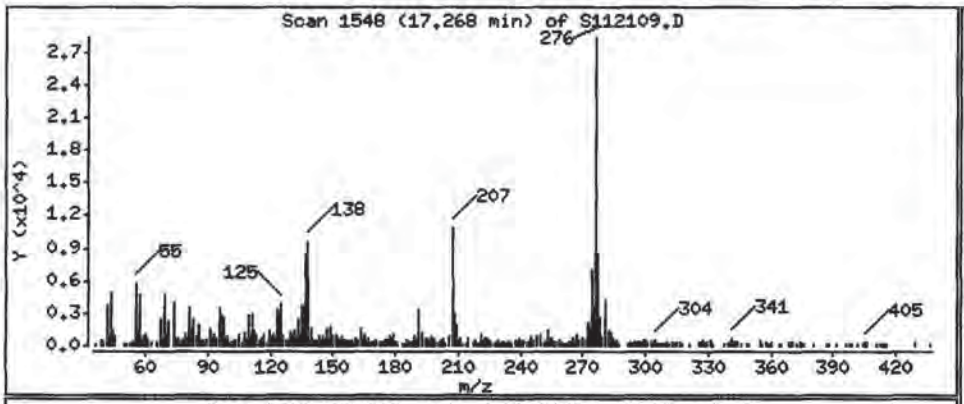
Client ID: 0324068 Instrument: sv5.i

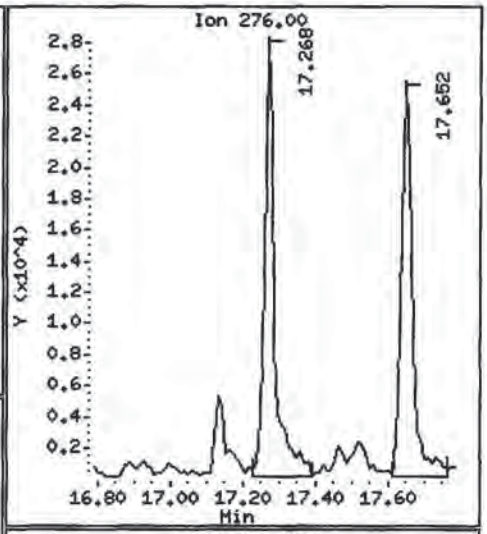
Sample Info: MAC5P1AC G0K200425-6;0;;;;;31.35;1000;5

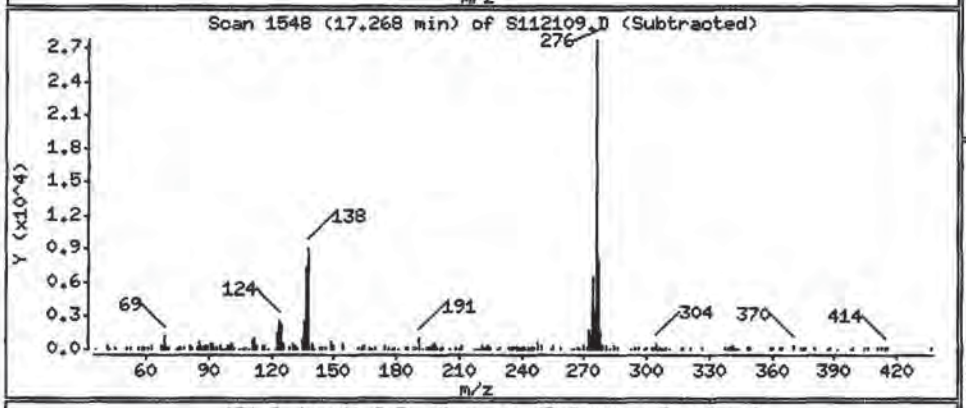
Volume Injected (uL): 1.0 Operator: KT

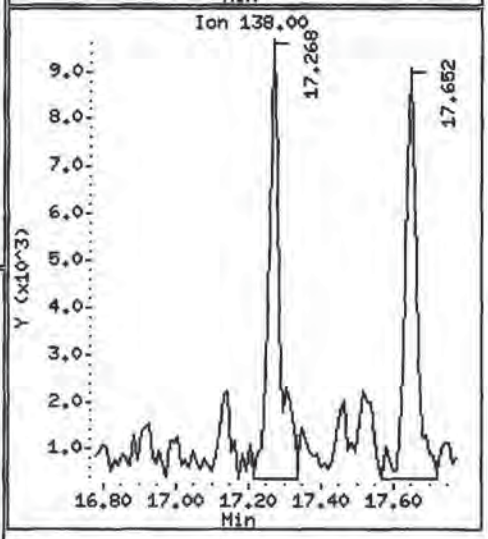
Column phase: Column diameter: 2.00

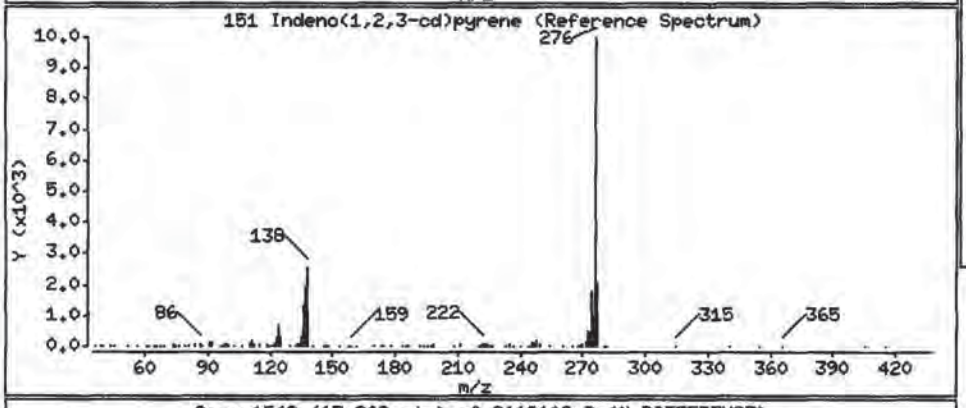
151 Indeno(1,2,3-cd)pyrene Concentration: 276.5 ug/Kg

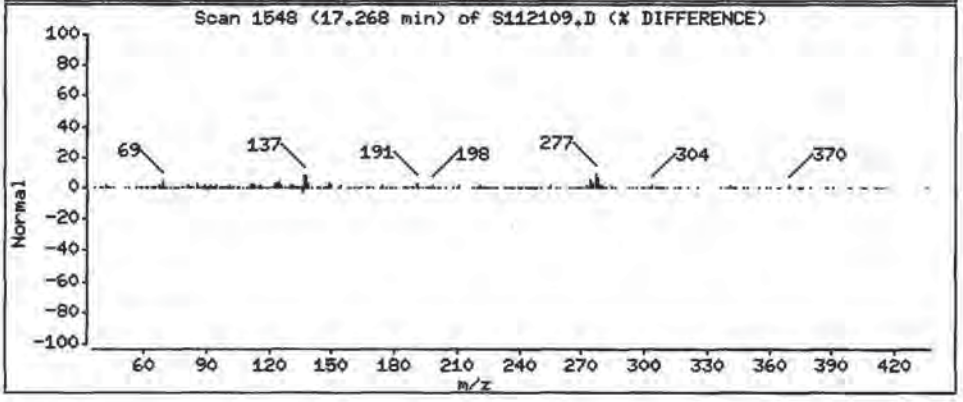












Data File: \\SV5\C\chem\sv5.i\112110.B\S112109.D

Date : 21-NOV-2010 16:09

Client ID: 0324068

Instrument: sv5.i

Sample Info: MAC5P1AC G0K200425-6;0;;;;31.35;1000;5

Volume Injected (uL): 1.0

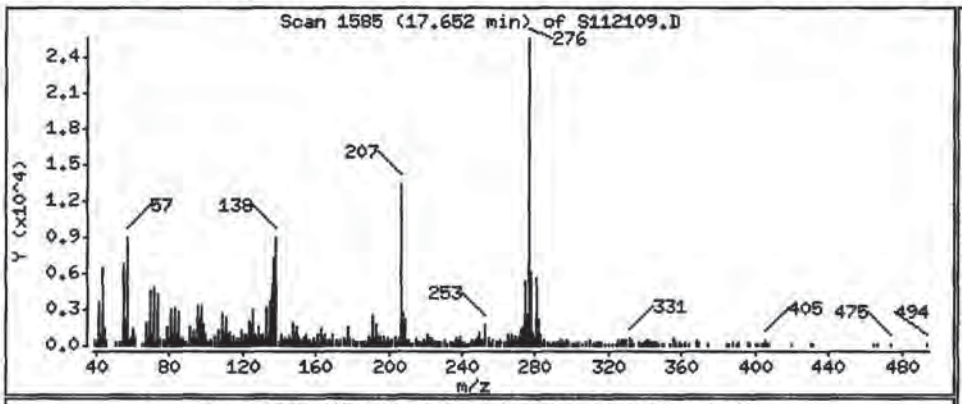
Operator: KT

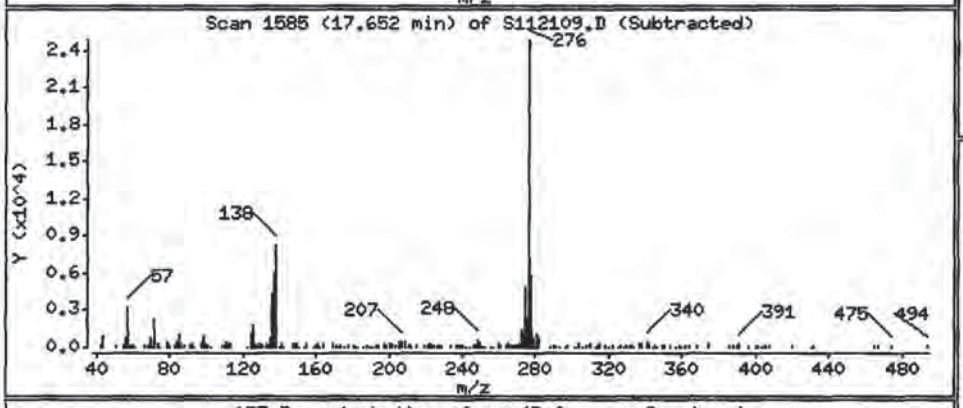
Column phase:

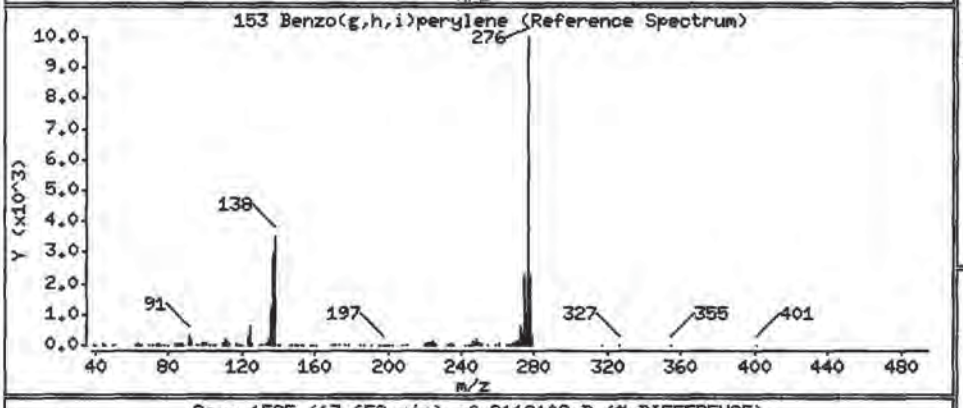
Column diameter: 2.00

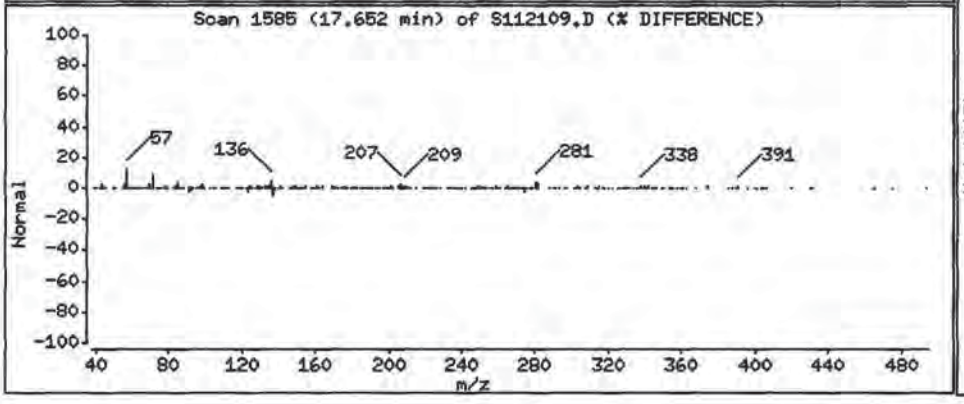
153 Benzo(g,h,i)perylene

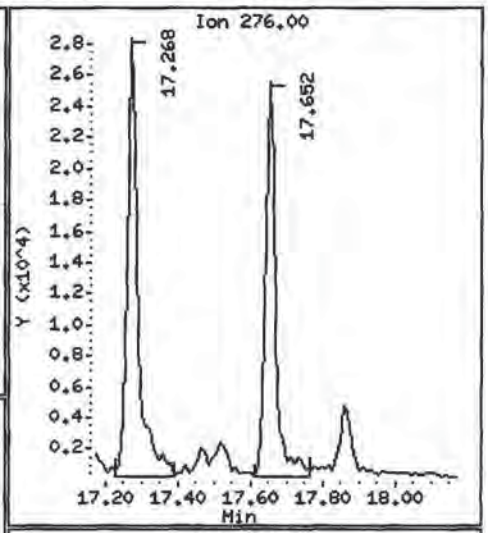
Concentration: 207.4 ug/Kg

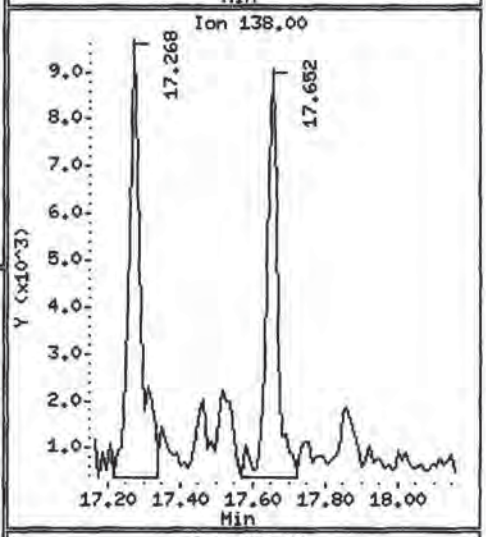


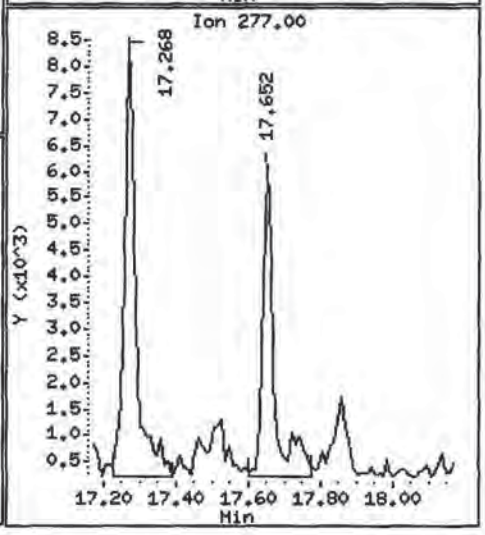












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\112110.B\S112110.D
Lab Smp Id: MAC5P1AE G0K200425-
Inj Date : 21-NOV-2010 16:34
Operator : KT Inst ID: sv5.i
Smp Info : MAC5P1AE G0K200425-6S;3;MS;;;29.46;1000;2
Misc Info : 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\112110.B\8270f.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 7 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SACP307UM

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	29.460	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	112679	40.0000	
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	514268	40.0000	
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	267215	40.0000	
* 4	Phenanthrene-d10	188	9.050	9.050	(1.000)	424253	40.0000	
* 5	Chrysene-d12	240	13.361	13.371	(1.000)	435469	40.0000	
* 6	Perylene-d12	264	15.734	15.734	(1.000)	426173	40.0000	
$ 7	2-Fluorophenol	112	2.470	2.459	(0.673)	163501	41.1664	1397
$ 8	Phenol-d5	99	3.350	3.350	(0.913)	226253	45.3015	1538
$ 11	Nitrobenzene-d5	82	4.293	4.293	(0.845)	177590	40.7711	1384
$ 12	2-Fluorobiphenyl	172	6.387	6.387	(0.890)	400385	46.5141	1579
$ 13	2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	59687	51.4034	1745
$ 14	Terphenyl-d14	244	11.620	11.630	(0.870)	436676	50.9090	1728
15	N-Nitrosodimethylamine	74	1.433	1.433	(0.390)	160900	61.9809	2104(M)
16	Pyridine	79	1.444	1.454	(0.393)	227679	52.4453	1780(Q)
23	Aniline	93	3.371	3.371	(0.918)	375149	59.0122	2003(q)
24	Phenol	94	3.361	3.361	(0.915)	496366	86.4903	2936(q)
26	Bis(2-chloroethyl)ether	93	3.433	3.433	(0.935)	312233	77.5867	2634
27	2-Chlorophenol	128	3.485	3.485	(0.949)	365044	82.8664	2813
28	1,3-Dichlorobenzene	146	3.630	3.630	(0.989)	339101	70.6701	2399

11/22/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
29	1,4-Dichlorobenzene	146	3.682	3.682	(1.003)	355928	70.9368	2408
30	Benzyl Alcohol	108	3.838	3.848	(1.045)	263578	89.0264	3022
31	1,2-Dichlorobenzene	146	3.879	3.889	(1.056)	342125	74.1703	2518
32	2-Methylphenol	108	3.993	3.993	(1.087)	373278	92.6565	3145
33	2,2'-oxybis(1-Chloropropane)	45	4.014	4.014	(1.093)	473741	73.9663	2511
34	4-Methylphenol	108	4.159	4.159	(1.133)	795198	185.833	6308(A)
36	Hexachloroethane	117	4.211	4.210	(1.147)	122106	71.4859	2426
37	N-Nitrosodinpropylamine	70	4.169	4.169	(1.135)	240489	84.3757	2864
38	n-Nitrosopyrrolidine	100	Compound Not Detected.					
42	Nitrobenzene	77	4.314	4.314	(0.849)	326805	76.7568	2605
44	Isophorone	82	4.573	4.583	(0.900)	673598	82.2765	2793
45	2-Nitrophenol	139	4.677	4.677	(0.920)	215355	85.2535	2894
46	2,4-Dimethyphenol	107	4.749	4.749	(0.935)	411769	91.7394	3114
47	Bis(2-chloroethoxy)methane	93	4.853	4.853	(0.955)	397473	79.4575	2697
49	2,4-Dichlorophenol	162	4.946	4.946	(0.973)	329667	94.9338	3222
50	Benzoic Acid	122	4.874	4.874	(0.959)	211126	84.9791	2884
51	1,2,4-Trichlorobenzene	180	5.040	5.039	(0.992)	280615	74.6315	2533
52	Naphthalene	128	5.102	5.102	(1.004)	1142525	80.4636	2731
54	4-Chloroaniline	127	5.205	5.205	(1.024)	416618	74.8593	2541
55	2,6-Dichlorophenol	162	Compound Not Detected.					
57	Hexachlorobutadiene	225	5.330	5.330	(1.049)	140385	76.2908	2590
60	4-Chloro-3-Methylphenol	107	5.806	5.806	(1.143)	372304	96.0033	3259
63	2-Methylnaphthalene	142	5.910	5.910	(1.163)	777149	87.1277	2957
66	Hexachlorocyclopentadiene	237	6.190	6.190	(0.863)	122446	61.4134	2085
69	2,4,6-Trichlorophenol	196	6.294	6.304	(0.877)	208904	97.9882	3326
70	2,4,5-Trichlorphenol	196	6.345	6.345	(0.884)	227180	98.9150	3358
71	2-Chloronaphthalene	162	6.480	6.490	(0.903)	682460	90.7507	3080
73	2-Nitroaniline	65	6.667	6.666	(0.929)	234935	103.076	3499
76	Dimethylphthalate	163	6.946	6.946	(0.968)	832106	96.1063	3262
77	Acenaphthylene	152	6.988	6.988	(0.974)	1245032	95.0697	3227
79	2,6-Dinitrotoluene	165	7.009	7.019	(0.977)	189441	93.9106	3188
80	3-Nitroaniline	138	7.164	7.164	(0.999)	224343	89.1003	3024
81	Acenaphthene	153	7.206	7.216	(1.004)	744256	89.2798	3030
82	2,4-Dinitrophenol	184	7.288	7.288	(1.016)	108059	85.6618	2908
83	Dibenzofuran	168	7.402	7.402	(1.032)	1008456	91.1516	3094
84	4-Nitrophenol	109	7.413	7.413	(1.033)	120533	115.407	3917(Q)
86	2,4-Dinitrotoluene	165	7.475	7.475	(1.042)	258560	97.6566	3315
91	Fluorene	166	7.817	7.817	(1.090)	824959	90.0471	3056
92	Diethylphthalate	149	7.807	7.806	(1.088)	865059	97.5835	3312
93	4-Chlorophenyl-phenylether	204	7.848	7.848	(1.094)	354876	93.1657	3162
94	4-Nitroaniline	138	7.910	7.910	(1.103)	235593	94.3931	3204
97	4,6-Dinitro-2-methylphenol	198	7.972	7.972	(0.881)	141596	90.0190	3056
98	N-Nitrosodiphenylamine	169	8.003	8.003	(0.884)	578333	89.9368	3053
100	Azobenzene	77	8.035	8.034	(0.888)	800549	95.9551	3257
101	4-Bromophenyl-phenylether	248	8.470	8.470	(0.936)	195766	94.5245	3208
108	Hexachlorobenzene	284	8.646	8.646	(0.955)	210454	90.9923	3089
110	Pentachlorophenol	266	8.905	8.905	(0.984)	134239	93.5476	3175
114	Phenanthrene	178	9.081	9.081	(1.003)	1295622	96.8917	3289
115	Anthracene	178	9.143	9.154	(1.010)	1271003	95.1410	3229
118	Carbazole	167	9.413	9.413	(1.040)	1149978	94.2317	3199
120	Di-n-Butylphthalate	149	10.107	10.117	(1.117)	1455423	99.1190	3364
126	Fluoranthene	202	10.915	10.915	(1.206)	1376198	114.857	3899
127	Benzidine	184	Compound Not Detected.					
128	Pyrene	202	11.268	11.268	(0.843)	1433586	105.324	3575
134	3,3'-dimethylbenzidine	212	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
136 Butylbenzylphthalate	149	12.605	12.604	(0.943)	699895	102.594	3482
138 Benzo(a)Anthracene	228	13.340	13.340	(0.998)	1198706	103.341	3508
139 Chrysene	228	13.413	13.413	(1.004)	1183033	99.7007	3384
140 3,3'-Dichlorobenzidine	252	13.392	13.402	(1.002)	343210	78.4429	2663
141 bis(2-ethylhexyl)Phthalate	149	13.724	13.734	(1.027)	988836	105.229	3572
142 Di-n-octylphthalate	149	14.781	14.781	(1.106)	1627515	108.350	3678
144 Benzo(b)fluoranthene	252	15.154	15.164	(0.963)	1070033	110.914	3765
145 Benzo(k)fluoranthene	252	15.195	15.195	(0.966)	1175519	94.9213	3222
147 Benzo(e)pyrene	252	Compound Not Detected.					
148 Benzo(a)pyrene	252	15.641	15.651	(0.994)	994661	90.9430	3087
151 Indeno(1,2,3-cd)pyrene	276	17.289	17.289	(1.099)	944154	106.730	3623
152 Dibenzo(a,h)anthracene	278	17.330	17.330	(1.101)	996988	100.882	3424
153 Benzo(g,h,i)perylene	276	17.672	17.672	(1.123)	1016506	95.0021	3225
M 157 3 and 4-methylphenol	108				795198	185.833	6308

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

RECOVERY REPORT

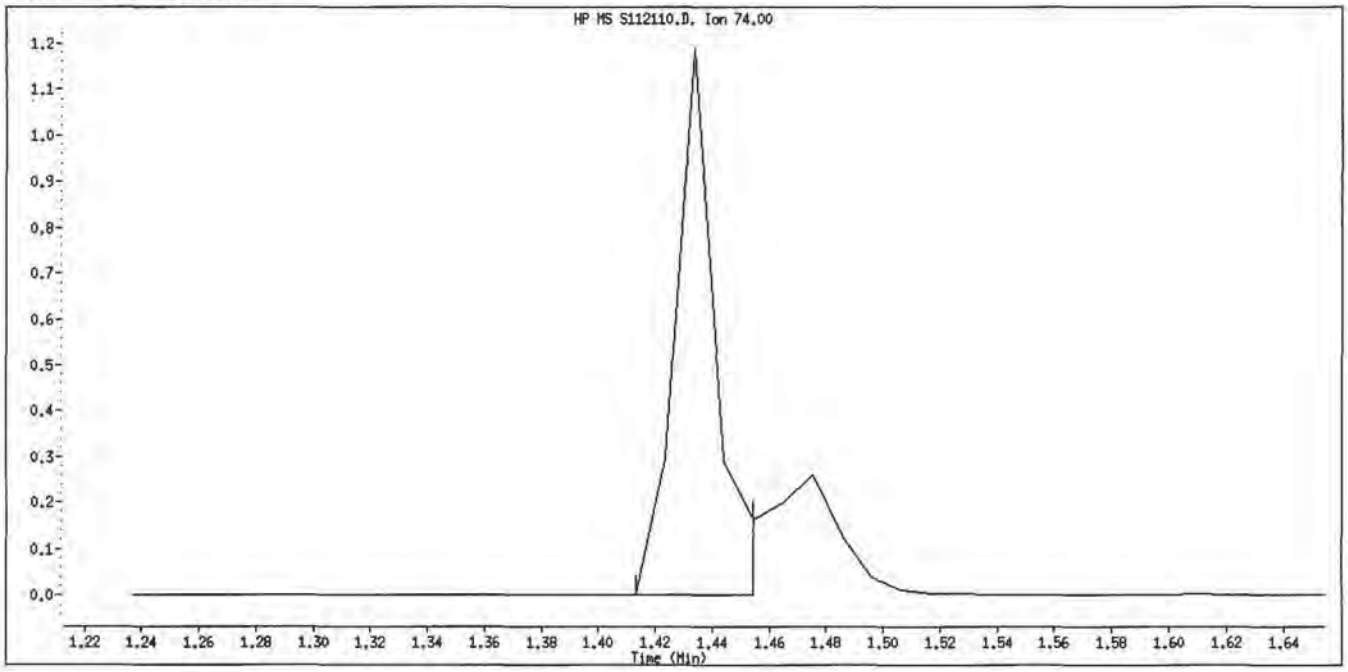
Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC5P1AE G0K200425-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: MS
SpikeList File: A13QLD4.SPK Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\sv5\c\chem\sv5.i\112110.B\8270f.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
15 N-Nitrosodimethyla	3394	2104	61.98	20-115
24 Phenol	3394	2936	86.49	40-100
26 Bis(2-chloroethyl)	3394	2634	77.59	40-105
27 2-Chlorophenol	3394	2813	82.87	45-105
28 1,3-Dichlorobenzen	3394	2399	70.67	40-100
29 1,4-Dichlorobenzen	3394	2408	70.94	35-105
30 Benzyl Alcohol	3394	3022	89.03	20-125
31 1,2-Dichlorobenzen	3394	2518	74.17	45-95
32 2-Methylphenol	3394	3145	92.66	40-105
33 2,2'-oxybis(1-Chlo	3394	2511	73.97	20-115
34 4-Methylphenol	6789	6308	92.92	60-100
36 Hexachloroethane	3394	2426	71.49	35-110
37 N-Nitrosodinpropyl	3394	2864	84.38	40-115
42 Nitrobenzene	3394	2605	76.76	40-115
44 Isophorone	3394	2793	82.28	45-115
45 2-Nitrophenol	3394	2894	85.25	40-110
46 2,4-Dimethyphenol	3394	3114	91.74	30-105
47 Bis(2-chloroethoxy	3394	2697	79.46	45-110
49 2,4-Dichlorophenol	3394	3222	94.93	45-110
50 Benzoic Acid	3394	2884	84.98	0-110
51 1,2,4-Trichloroben	3394	2533	74.63	30-110
52 Naphthalene	3394	2731	80.46	40-105
54 4-Chloroaniline	3394	2541	74.86	10-95
57 Hexachlorobutadien	3394	2590	76.29	40-115
60 4-Chloro-3-Methylp	3394	3259	96.00	45-115
63 2-Methylnaphthalen	3394	2957	87.13	45-105
69 2,4,6-Trichlorophe	3394	3326	97.99	45-110
70 2,4,5-Trichlorphen	3394	3358	98.92	50-110
71 2-Chloronaphthalen	3394	3080	90.75	45-105
73 2-Nitroaniline	3394	3499	103.08	45-120
76 Dimethylphthalate	3394	3262	96.11	50-110
77 Acenaphthylene	3394	3227	95.07	45-105
79 2,6-Dinitrotoluene	3394	3188	93.91	50-110
80 3-Nitroaniline	3394	3024	89.10	25-110
81 Acenaphthene	3394	3030	89.28	45-110
82 2,4-Dinitrophenol	3394	2908	85.66	15-130
83 Dibenzofuran	3394	3094	91.15	50-105
84 4-Nitrophenol	3394	3917	115.41	15-140
86 2,4-Dinitrotoluene	3394	3315	97.66	50-115
91 Fluorene	3394	3056	90.05	50-110

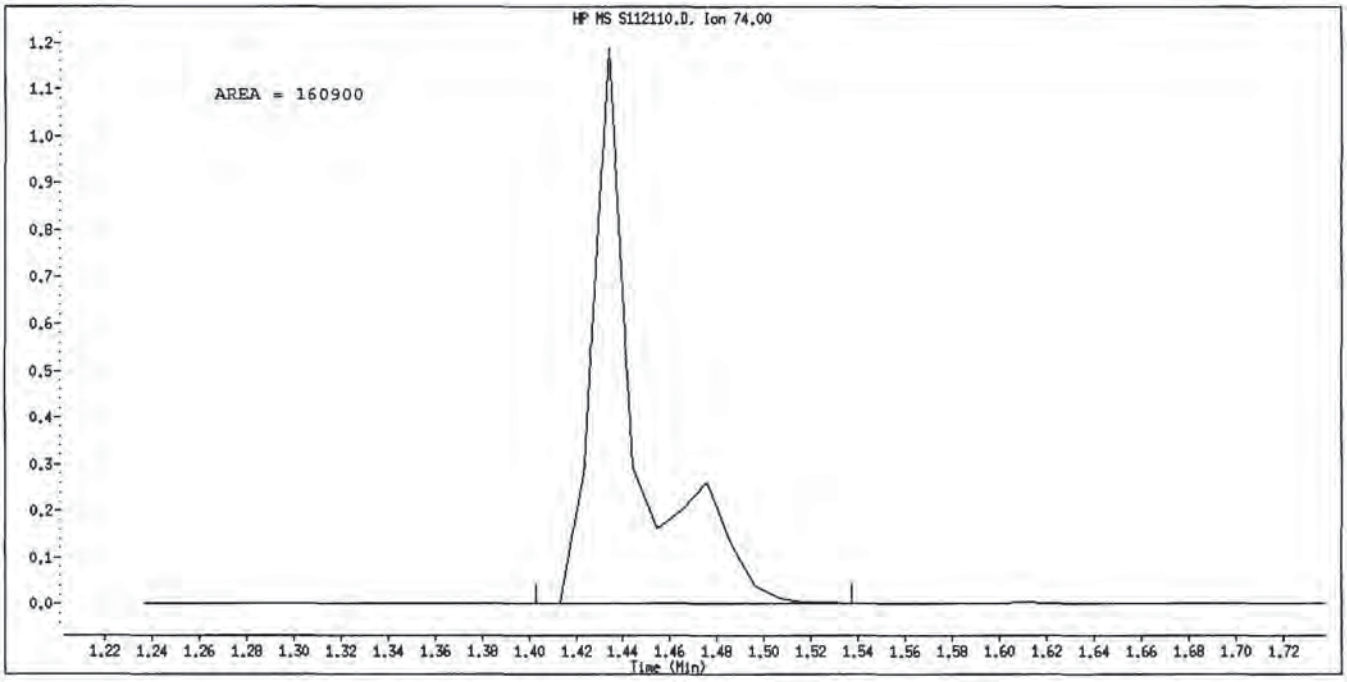
SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
92	Diethylphthalate	3394	3312	97.58	50-115
93	4-Chlorophenyl-phe	3394	3162	93.17	45-110
94	4-Nitroaniline	3394	3204	94.39	35-115
97	4,6-Dinitro-2-meth	3394	3056	90.02	30-135
98	N-Nitrosodiphenyla	3394	3053	89.94	50-115
100	Azobenzene	3394	3257	95.96	67-109
101	4-Bromophenyl-phen	3394	3208	94.52	45-115
108	Hexachlorobenzene	3394	3089	90.99	45-120
110	Pentachlorophenol	3394	3175	93.55	25-120
114	Phenanthrene	3394	3289	96.89	50-110
115	Anthracene	3394	3229	95.14	55-105
118	Carbazole	3394	3199	94.23	45-115
120	Di-n-Butylphthalat	3394	3364	99.12	55-115
126	Fluoranthene	3394	3899	114.86	55-115
128	Pyrene	3394	3575	105.32	45-125
136	Butylbenzylphthala	3394	3482	102.59	50-125
138	Benzo(a)Anthracene	3394	3508	103.34	50-110
139	Chrysene	3394	3384	99.70	55-110
140	3,3'-Dichlorobenzi	3394	2663	78.44	10-130
141	bis(2-ethylhexyl)P	3394	3572	105.23	45-125
142	Di-n-octylphthalat	3394	3678	108.35	40-130
144	Benzo(b)fluoranthe	3394	3765	110.91	45-115
145	Benzo(k)fluoranthe	3394	3222	94.92	45-125
148	Benzo(a)pyrene	3394	3087	90.94	50-110
151	Indeno(1,2,3-cd)py	3394	3623	106.73	40-120
152	Dibenzo(a,h)anthra	3394	3424	100.88	40-125
153	Benzo(g,h,i)peryle	3394	3225	95.00	40-125
M 157	3 and 4-methylphen	6789	6308	92.92	40-105

SURROGATE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7	2-Fluorophenol	1697	1397	82.33	45-115
$ 8	Phenol-d5	1697	1538	90.60	44-117
$ 11	Nitrobenzene-d5	1697	1384	81.54	40-118
$ 12	2-Fluorobiphenyl	1697	1579	93.03	46-124
$ 13	2,4,6-Tribromophen	1697	1745	102.81	41-122
$ 14	Terphenyl-d14	1697	1728	101.82	44-120

Data File Name: S112110.D
Inj. Date and Time: 21-NOV-2010 16:34
Instrument ID: sv5.i
Client ID:
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 11/22/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\112110.B\S112110.D
Lab Smp Id: MAC5P1AE G0K200425-
Inj Date : 21-NOV-2010 16:34
Operator : KT Inst ID: sv5.i
Smp Info : MAC5P1AE G0K200425-6S;3;MS;;;29.46;1000;2
Misc Info : 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\112110.B\8270F.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 7 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	29.460	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	112679	40.0000	
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	514268	40.0000	
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	267215	40.0000	
* 4	Phenanthrene-d10	188	9.050	9.050	(1.000)	424253	40.0000	
* 5	Chrysene-d12	240	13.361	13.371	(1.000)	435469	40.0000	
* 6	Perylene-d12	264	15.734	15.734	(1.000)	426173	40.0000	
$ 7	2-Fluorophenol	112	2.470	2.459	(0.673)	163501	41.1664	1397
$ 8	Phenol-d5	99	3.350	3.350	(0.913)	226253	45.3015	1538
$ 11	Nitrobenzene-d5	82	4.293	4.293	(0.845)	177590	40.7711	1384
$ 12	2-Fluorobiphenyl	172	6.387	6.387	(0.890)	400385	46.5141	1579
$ 13	2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	59687	51.4034	1745
$ 14	Terphenyl-d14	244	11.620	11.630	(0.870)	436676	50.9090	1728
15	N-Nitrosodimethylamine	74	1.433	1.433	(0.390)	115434	44.4668	1509(Q)
16	Pyridine	79	1.444	1.454	(0.393)	227679	52.4453	1780(Q)
23	Aniline	93	3.371	3.371	(0.918)	375149	59.0122	2003(q)
24	Phenol	94	3.361	3.361	(0.915)	496366	86.4903	2936(q)
26	Bis(2-chloroethyl)ether	93	3.433	3.433	(0.935)	312233	77.5867	2634
27	2-Chlorophenol	128	3.485	3.485	(0.949)	365044	82.8664	2813
28	1,3-Dichlorobenzene	146	3.630	3.630	(0.989)	339101	70.6701	2399

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
29 1,4-Dichlorobenzene	146	3.682	3.682	(1.003)	355928	70.9368	2408
30 Benzyl Alcohol	108	3.838	3.848	(1.045)	263578	89.0264	3022
31 1,2-Dichlorobenzene	146	3.879	3.889	(1.056)	342125	74.1703	2518
32 2-Methylphenol	108	3.993	3.993	(1.087)	373278	92.6565	3145
33 2,2'-oxybis(1-Chloropropane)	45	4.014	4.014	(1.093)	473741	73.9663	2511
34 4-Methylphenol	108	4.159	4.159	(1.133)	795198	185.833	6308(A)
36 Hexachloroethane	117	4.211	4.210	(1.147)	122106	71.4859	2426
37 N-Nitrosodinpropylamine	70	4.169	4.169	(1.135)	240489	84.3757	2864
38 n-Nitrosopyrrolidine	100	Compound Not Detected.					
42 Nitrobenzene	77	4.314	4.314	(0.849)	326805	76.7568	2605
44 Isophorone	82	4.573	4.583	(0.900)	673598	82.2765	2793
45 2-Nitrophenol	139	4.677	4.677	(0.920)	215355	85.2535	2894
46 2,4-Dimethyphenol	107	4.749	4.749	(0.935)	411769	91.7394	3114
47 Bis(2-chloroethoxy)methane	93	4.853	4.853	(0.955)	397473	79.4575	2697
49 2,4-Dichlorophenol	162	4.946	4.946	(0.973)	329667	94.9338	3222
50 Benzoic Acid	122	4.874	4.874	(0.959)	211126	84.9791	2884
51 1,2,4-Trichlorobenzene	180	5.040	5.039	(0.992)	280615	74.6315	2533
52 Naphthalene	128	5.102	5.102	(1.004)	1142525	80.4636	2731
54 4-Chloroaniline	127	5.205	5.205	(1.024)	416618	74.8593	2541
55 2,6-Dichlorophenol	162	4.946	5.222	(0.973)	329667	101.738	3453(q)
57 Hexachlorobutadiene	225	5.330	5.330	(1.049)	140385	76.2908	2590
60 4-Chloro-3-Methylphenol	107	5.806	5.806	(1.143)	372304	96.0033	3259
63 2-Methylnaphthalene	142	5.910	5.910	(1.163)	777149	87.1277	2957
66 Hexachlorocyclopentadiene	237	6.190	6.190	(0.863)	122446	61.4134	2085
69 2,4,6-Trichlorophenol	196	6.294	6.304	(0.877)	208904	97.9882	3326
70 2,4,5-Trichlorphenol	196	6.345	6.345	(0.884)	227180	98.9150	3358
71 2-Chloronaphthalene	162	6.480	6.490	(0.903)	682460	90.7507	3080
73 2-Nitroaniline	65	6.667	6.666	(0.929)	234935	103.076	3499
76 Dimethylphthalate	163	6.946	6.946	(0.968)	832106	96.1063	3262
77 Acenaphthylene	152	6.988	6.988	(0.974)	1245032	95.0697	3227
79 2,6-Dinitrotoluene	165	7.009	7.019	(0.977)	189441	93.9106	3188
80 3-Nitroaniline	138	7.164	7.164	(0.999)	224343	89.1003	3024
81 Acenaphthene	153	7.206	7.216	(1.004)	744256	89.2798	3030
82 2,4-Dinitrophenol	184	7.288	7.288	(1.016)	108059	85.6618	2908
83 Dibenzofuran	168	7.402	7.402	(1.032)	1008456	91.1516	3094
84 4-Nitrophenol	109	7.413	7.413	(1.033)	120533	115.407	3917(Q)
86 2,4-Dinitrotoluene	165	7.475	7.475	(1.042)	258560	97.6566	3315
91 Fluorene	166	7.817	7.817	(1.090)	824959	90.0471	3056
92 Diethylphthalate	149	7.807	7.806	(1.088)	865059	97.5835	3312
93 4-Chlorophenyl-phenylether	204	7.848	7.848	(1.094)	354876	93.1657	3162
94 4-Nitroaniline	138	7.910	7.910	(1.103)	235593	94.3931	3204
97 4,6-Dinitro-2-methylphenol	198	7.972	7.972	(0.881)	141596	90.0190	3056
98 N-Nitrosodiphenylamine	169	8.003	8.003	(0.884)	578333	89.9368	3053
100 Azobenzene	77	8.035	8.034	(0.888)	800549	95.9551	3257
101 4-Bromophenyl-phenylether	248	8.470	8.470	(0.936)	195766	94.5245	3208
108 Hexachlorobenzene	284	8.646	8.646	(0.955)	210454	90.9923	3089
110 Pentachlorophenol	266	8.905	8.905	(0.984)	134239	93.5476	3175
114 Phenanthrene	178	9.081	9.081	(1.003)	1295622	96.8917	3289
115 Anthracene	178	9.143	9.154	(1.010)	1271003	95.1410	3229
118 Carbazole	167	9.413	9.413	(1.040)	1149978	94.2317	3199
120 Di-n-Butylphthalate	149	10.107	10.117	(1.117)	1455423	99.1190	3364
126 Fluoranthene	202	10.915	10.915	(1.206)	1376198	114.857	3899
127 Benzidine	184	Compound Not Detected.					
128 Pyrene	202	11.268	11.268	(0.843)	1433586	105.324	3575
134 3,3'-dimethylbenzidine	212	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
136	Butylbenzylphthalate	149	12.605	12.604	(0.943)	699895	102.594	3482
138	Benzo(a)Anthracene	228	13.340	13.340	(0.998)	1198706	103.341	3508
139	Chrysene	228	13.413	13.413	(1.004)	1183033	99.7007	3384
140	3,3'-Dichlorobenzidine	252	13.392	13.402	(1.002)	343210	78.4429	2663
141	bis(2-ethylhexyl)Phthalate	149	13.724	13.734	(1.027)	988836	105.229	3572
142	Di-n-octylphthalate	149	14.781	14.781	(1.106)	1627515	108.350	3678
144	Benzo(b)fluoranthene	252	15.154	15.164	(0.963)	1070033	110.914	3765
145	Benzo(k)fluoranthene	252	15.195	15.195	(0.966)	1175519	94.9213	3222
147	Benzo(e)pyrene	252	15.641	15.579	(0.994)	995801	98.9831	3360
148	Benzo(a)pyrene	252	15.641	15.651	(0.994)	994661	90.9430	3087
151	Indeno(1,2,3-cd)pyrene	276	17.289	17.289	(1.099)	944154	106.730	3623
152	Dibenzo(a,h)anthracene	278	17.330	17.330	(1.101)	996988	100.882	3424
153	Benzo(g,h,i)perylene	276	17.672	17.672	(1.123)	1016506	95.0021	3225
M 157	3 and 4-methylphenol	108				795198	185.833	6308

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S112110.D
Lab Smp Id: MAC5P1AE G0K200425-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

Calibration Date: 21-NOV-2010
Calibration Time: 11:50
Level: LOW
Sample Type: SOL

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	112679	-8.11
2 Naphthalene-d8	530514	265257	1061028	514268	-3.06
3 Acenaphthene-d10	282538	141269	565076	267215	-5.42
4 Phenanthrene-d10	462722	231361	925444	424253	-8.31
5 Chrysene-d12	435850	217925	871700	435469	-0.09
6 Perylene-d12	422284	211142	844568	426173	0.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.67	3.17	4.17	3.67	0.00
2 Naphthalene-d8	5.08	4.58	5.58	5.08	0.00
3 Acenaphthene-d10	7.17	6.67	7.67	7.17	0.00
4 Phenanthrene-d10	9.05	8.55	9.55	9.05	0.00
5 Chrysene-d12	13.37	12.87	13.87	13.36	-0.08
6 Perylene-d12	15.73	15.23	16.23	15.73	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.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC5P1AE G0K200425-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: MS
SpikeList File: A13QLD4.SPK Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

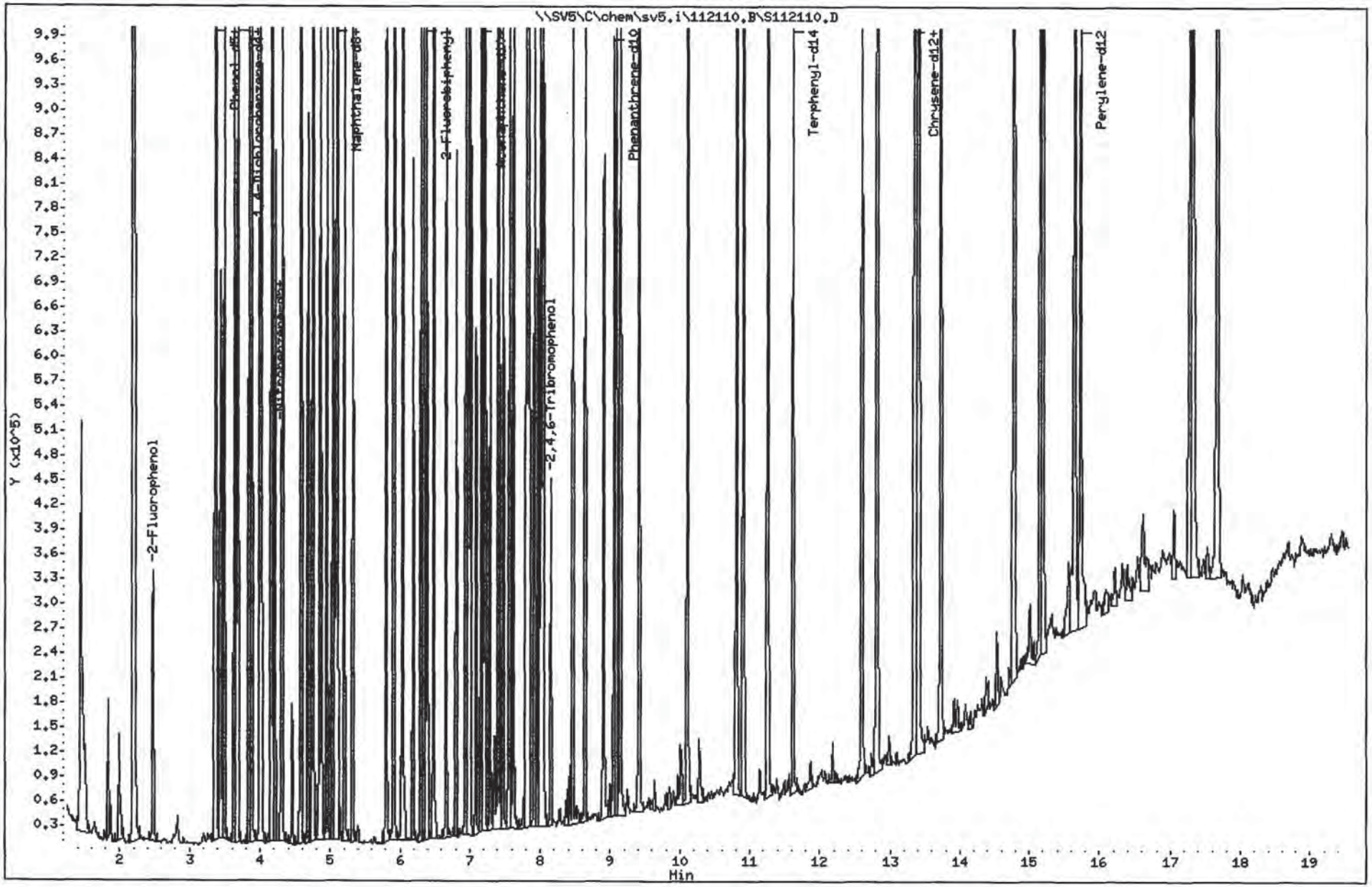
SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
15 N-Nitrosodimethyla	3394	1509	44.47	20-115
24 Phenol	3394	2936	86.49	40-100
26 Bis(2-chloroethyl)	3394	2634	77.59	40-105
27 2-Chlorophenol	3394	2813	82.87	45-105
28 1,3-Dichlorobenzen	3394	2399	70.67	40-100
29 1,4-Dichlorobenzen	3394	2408	70.94	35-105
30 Benzyl Alcohol	3394	3022	89.03	20-125
31 1,2-Dichlorobenzen	3394	2518	74.17	45-95
32 2-Methylphenol	3394	3145	92.66	40-105
33 2,2'-oxybis(1-Chlo	3394	2511	73.97	20-115
34 4-Methylphenol	6789	6308	92.92	60-100
36 Hexachloroethane	3394	2426	71.49	35-110
37 N-Nitrosodinpropyl	3394	2864	84.38	40-115
42 Nitrobenzene	3394	2605	76.76	40-115
44 Isophorone	3394	2793	82.28	45-115
45 2-Nitrophenol	3394	2894	85.25	40-110
46 2,4-Dimethyphenol	3394	3114	91.74	30-105
47 Bis(2-chloroethoxy	3394	2697	79.46	45-110
49 2,4-Dichlorophenol	3394	3222	94.93	45-110
50 Benzoic Acid	3394	2884	84.98	0-110
51 1,2,4-Trichloroben	3394	2533	74.63	30-110
52 Naphthalene	3394	2731	80.46	40-105
54 4-Chloroaniline	3394	2541	74.86	10-95
57 Hexachlorobutadien	3394	2590	76.29	40-115
60 4-Chloro-3-Methylp	3394	3259	96.00	45-115
63 2-Methylnaphthalen	3394	2957	87.13	45-105
69 2,4,6-Trichlorophe	3394	3326	97.99	45-110
70 2,4,5-Trichlorphen	3394	3358	98.92	50-110
71 2-Chloronaphthalen	3394	3080	90.75	45-105
73 2-Nitroaniline	3394	3499	103.08	45-120
76 Dimethylphthalate	3394	3262	96.11	50-110
77 Acenaphthylene	3394	3227	95.07	45-105
79 2,6-Dinitrotoluene	3394	3188	93.91	50-110
80 3-Nitroaniline	3394	3024	89.10	25-110
81 Acenaphthene	3394	3030	89.28	45-110
82 2,4-Dinitrophenol	3394	2908	85.66	15-130
83 Dibenzofuran	3394	3094	91.15	50-105
84 4-Nitrophenol	3394	3917	115.41	15-140
86 2,4-Dinitrotoluene	3394	3315	97.66	50-115
91 Fluorene	3394	3056	90.05	50-110

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
92 Diethylphthalate	3394	3312	97.58	50-115
93 4-Chlorophenyl-phe	3394	3162	93.17	45-110
94 4-Nitroaniline	3394	3204	94.39	35-115
97 4,6-Dinitro-2-meth	3394	3056	90.02	30-135
98 N-Nitrosodiphenyla	3394	3053	89.94	50-115
100 Azobenzene	3394	3257	95.96	67-109
101 4-Bromophenyl-phen	3394	3208	94.52	45-115
108 Hexachlorobenzene	3394	3089	90.99	45-120
110 Pentachlorophenol	3394	3175	93.55	25-120
114 Phenanthrene	3394	3289	96.89	50-110
115 Anthracene	3394	3229	95.14	55-105
118 Carbazole	3394	3199	94.23	45-115
120 Di-n-Butylphthalat	3394	3364	99.12	55-115
126 Fluoranthene	3394	3899	114.86	55-115
128 Pyrene	3394	3575	105.32	45-125
136 Butylbenzylphthala	3394	3482	102.59	50-125
138 Benzo(a)Anthracene	3394	3508	103.34	50-110
139 Chrysene	3394	3384	99.70	55-110
140 3,3'-Dichlorobenzi	3394	2663	78.44	10-130
141 bis(2-ethylhexyl)P	3394	3572	105.23	45-125
142 Di-n-octylphthalat	3394	3678	108.35	40-130
144 Benzo(b)fluoranthe	3394	3765	110.91	45-115
145 Benzo(k)fluoranthe	3394	3222	94.92	45-125
148 Benzo(a)pyrene	3394	3087	90.94	50-110
151 Indeno(1,2,3-cd)py	3394	3623	106.73	40-120
152 Dibenzo(a,h)anthra	3394	3424	100.88	40-125
153 Benzo(g,h,i)peryle	3394	3225	95.00	40-125
M 157 3 and 4-methylphen	6789	6308	92.92	40-105

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	1697	1397	82.33	45-115
$ 8 Phenol-d5	1697	1538	90.60	44-117
$ 11 Nitrobenzene-d5	1697	1384	81.54	40-118
$ 12 2-Fluorobiphenyl	1697	1579	93.03	46-124
$ 13 2,4,6-Tribromophen	1697	1745	102.81	41-122
$ 14 Terphenyl-d14	1697	1728	101.82	44-120

Data File: \\SV5\C\chem\sv5.i\112110.B\S112110.D
Date : 21-NOV-2010 16:34
Client ID:
Sample Info: MAC5P1AE G0K200425-6S;3;MS;;;29.46;1000;2
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i
Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\112110.B\S112111.D
Lab Smp Id: MAC5P1AF G0K200425-
Inj Date : 21-NOV-2010 16:59
Operator : KT Inst ID: sv5.i
Smp Info : MAC5P1AF G0K200425-6D;3;MSD;;;30.71;1000;2
Misc Info : 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\112110.B\8270f.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 8 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SACP307UM

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.710	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
*	1 1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	112068	40.0000	
*	2 Naphthalene-d8	136	5.081	5.081	(1.000)	475353	40.0000	
*	3 Acenaphthene-d10	164	7.174	7.174	(1.000)	259181	40.0000	
*	4 Phenanthrene-d10	188	9.050	9.050	(1.000)	468199	40.0000	
*	5 Chrysene-d12	240	13.371	13.371	(1.000)	501182	40.0000	
*	6 Perylene-d12	264	15.734	15.734	(1.000)	490413	40.0000	
$	7 2-Fluorophenol	112	2.470	2.459	(0.673)	155358	39.3294	1281
$	8 Phenol-d5	99	3.350	3.350	(0.913)	208940	42.0631	1370
$	11 Nitrobenzene-d5	82	4.293	4.293	(0.845)	156359	38.8356	1264
$	12 2-Fluorobiphenyl	172	6.387	6.387	(0.890)	357081	42.7692	1393
$	13 2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	64666	57.4177	1870
$	14 Terphenyl-d14	244	11.630	11.630	(0.870)	506006	51.2569	1669
	15 N-Nitrosodimethylamine	74	1.433	1.433	(0.390)	164335	63.6493	2072(M)
	16 Pyridine	79	1.444	1.454	(0.393)	211939	49.0858	1598(M)
	23 Aniline	93	3.371	3.371	(0.918)	342492	54.1689	1764(q)
	24 Phenol	94	3.361	3.361	(0.915)	452284	79.2388	2580(q)
	26 Bis(2-chloroethyl)ether	93	3.433	3.433	(0.935)	296529	74.0862	2412
	27 2-Chlorophenol	128	3.485	3.485	(0.949)	342400	78.1499	2545
	28 1,3-Dichlorobenzene	146	3.630	3.630	(0.989)	312633	65.5093	2133

11/22/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
29	1,4-Dichlorobenzene	146	3.682	3.682	(1.003)	324894	65.1047	2120
30	Benzyl Alcohol	108	3.837	3.848	(1.045)	240391	81.6374	2658
31	1,2-Dichlorobenzene	146	3.879	3.889	(1.056)	315559	68.7840	2240
32	2-Methylphenol	108	3.993	3.993	(1.087)	330110	82.3879	2683
33	2,2'-oxybis(1-Chloropropane)	45	4.014	4.014	(1.093)	453622	71.2112	2319
34	4-Methylphenol	108	4.159	4.159	(1.133)	736239	172.993	5633(A)
36	Hexachloroethane	117	4.211	4.210	(1.147)	116251	68.4292	2228
37	N-Nitrosodinpropylamine	70	4.169	4.169	(1.135)	221879	78.2708	2549
38	n-Nitrosopyrrolidine	100	Compound Not Detected.					
42	Nitrobenzene	77	4.314	4.314	(0.849)	292740	74.3847	2422
44	Isophorone	82	4.573	4.583	(0.900)	616023	81.4039	2651
45	2-Nitrophenol	139	4.677	4.677	(0.920)	188529	80.7437	2629
46	2,4-Dimethyphenol	107	4.749	4.749	(0.935)	370331	89.2618	2907
47	Bis(2-chloroethoxy)methane	93	4.853	4.853	(0.955)	355662	76.9198	2505
49	2,4-Dichlorophenol	162	4.946	4.946	(0.973)	295302	91.9994	2996
50	Benzoic Acid	122	4.874	4.874	(0.959)	193318	84.1814	2741
51	1,2,4-Trichlorobenzene	180	5.040	5.039	(0.992)	258504	74.3792	2422
52	Naphthalene	128	5.102	5.102	(1.004)	993392	75.6881	2465
54	4-Chloroaniline	127	5.205	5.205	(1.024)	381118	74.0868	2412
55	2,6-Dichlorophenol	162	Compound Not Detected.					
57	Hexachlorobutadiene	225	5.330	5.330	(1.049)	131138	77.0998	2510
60	4-Chloro-3-Methylphenol	107	5.806	5.806	(1.143)	367394	102.493	3337
63	2-Methylnaphthalene	142	5.910	5.910	(1.163)	700450	84.9576	2766
66	Hexachlorocyclopentadiene	237	6.190	6.190	(0.863)	100369	51.9010	1690
69	2,4,6-Trichlorophenol	196	6.293	6.304	(0.877)	208336	100.751	3281
70	2,4,5-Trichlorphenol	196	6.345	6.345	(0.884)	232093	104.187	3392
71	2-Chloronaphthalene	162	6.490	6.490	(0.905)	635285	87.0962	2836
73	2-Nitroaniline	65	6.667	6.666	(0.929)	230673	104.343	3398
76	Dimethylphthalate	163	6.946	6.946	(0.968)	815116	97.0622	3161
77	Acenaphthylene	152	6.988	6.988	(0.974)	1232633	97.0405	3160
79	2,6-Dinitrotoluene	165	7.019	7.019	(0.978)	196254	100.304	3266
80	3-Nitroaniline	138	7.164	7.164	(0.999)	242003	99.0935	3227
81	Acenaphthene	153	7.205	7.216	(1.004)	733357	90.6993	2953
82	2,4-Dinitrophenol	184	7.288	7.288	(1.016)	119089	96.0246	3127
83	Dibenzofuran	168	7.402	7.402	(1.032)	1018235	94.8884	3090
84	4-Nitrophenol	109	7.413	7.413	(1.033)	130867	129.186	4207(Q)
86	2,4-Dinitrotoluene	165	7.475	7.475	(1.042)	279981	109.025	3550
91	Fluorene	166	7.817	7.817	(1.090)	866628	97.5276	3176
92	Diethylphthalate	149	7.807	7.806	(1.088)	873881	101.634	3309
93	4-Chlorophenyl-phenylether	204	7.848	7.848	(1.094)	364090	98.5476	3209
94	4-Nitroaniline	138	7.920	7.910	(1.104)	271845	112.294	3656
97	4,6-Dinitro-2-methylphenol	198	7.972	7.972	(0.881)	166946	95.8767	3122
98	N-Nitrosodiphenylamine	169	8.003	8.003	(0.884)	627262	88.3899	2878
100	Azobenzene	77	8.034	8.034	(0.888)	831932	90.3571	2942
101	4-Bromophenyl-phenylether	248	8.470	8.470	(0.936)	212212	92.8478	3023
108	Hexachlorobenzene	284	8.646	8.646	(0.955)	242903	95.1645	3099
110	Pentachlorophenol	266	8.905	8.905	(0.984)	154409	97.3377	3170
114	Phenanthrene	178	9.081	9.081	(1.003)	1454979	98.5961	3210
115	Anthracene	178	9.143	9.154	(1.010)	1479396	100.346	3268
118	Carbazole	167	9.413	9.413	(1.040)	1332413	98.9329	3222
120	Di-n-Butylphthalate	149	10.117	10.117	(1.118)	1757313	108.445	3531
126	Fluoranthene	202	10.915	10.915	(1.206)	1597417	120.806	3934(R)
127	Benzidine	184	Compound Not Detected.					
128	Pyrene	202	11.268	11.268	(0.843)	1641531	104.789	3412
134	3,3'-dimethylbenzidine	212	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
136	Butylbenzylphthalate	149	12.605	12.604	(0.943)	822135	104.712	3410
138	Benzo(a)Anthracene	228	13.340	13.340	(0.998)	1373230	102.864	3350
139	Chrysene	228	13.413	13.413	(1.003)	1366617	100.071	3258
140	3,3'-Dichlorobenzidine	252	13.403	13.402	(1.002)	414487	82.3127	2680
141	bis(2-ethylhexyl)Phthalate	149	13.724	13.734	(1.026)	1208206	111.716	3638
142	Di-n-octylphthalate	149	14.781	14.781	(1.105)	2072932	119.908	3904
144	Benzo(b)fluoranthene	252	15.164	15.164	(0.964)	1182841	106.547	3469
145	Benzo(k)fluoranthene	252	15.195	15.195	(0.966)	1413411	99.1805	3230
147	Benzo(e)pyrene	252	Compound Not Detected.					
148	Benzo(a)pyrene	252	15.651	15.651	(0.995)	1166552	92.6877	3018
151	Indeno(1,2,3-cd)pyrene	276	17.289	17.289	(1.099)	1204460	118.321	3853(M)
152	Dibenzo(a,h)anthracene	278	17.330	17.330	(1.101)	1182192	103.953	3385
153	Benzo(g,h,i)perylene	276	17.672	17.672	(1.123)	1201623	97.5922	3178
M 157	3 and 4-methylphenol	108				736239	172.993	5633

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

RECOVERY REPORT

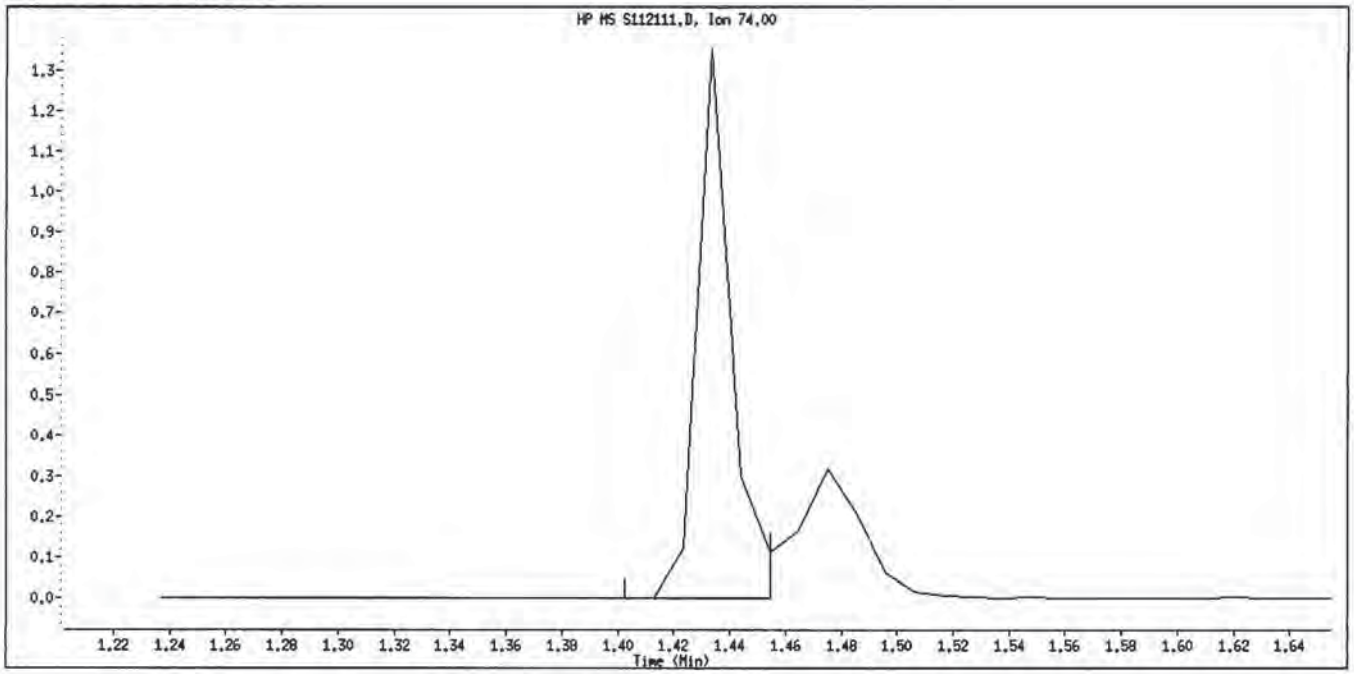
Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC5P1AF G0K200425-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: MSD
SpikeList File: A13QLD4.SPK Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\sv5\c\chem\sv5.i\112110.B\8270f.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
15	N-Nitrosodimethyla	3256	2072	63.65	20-115
24	Phenol	3256	2580	79.24	40-100
26	Bis(2-chloroethyl)	3256	2412	74.09	40-105
27	2-Chlorophenol	3256	2545	78.15	45-105
28	1,3-Dichlorobenzen	3256	2133	65.51	40-100
29	1,4-Dichlorobenzen	3256	2120	65.10	35-105
30	Benzyl Alcohol	3256	2658	81.64	20-125
31	1,2-Dichlorobenzen	3256	2240	68.78	45-95
32	2-Methylphenol	3256	2683	82.39	40-105
33	2,2'-oxybis(1-Chlo	3256	2319	71.21	20-115
34	4-Methylphenol	6512	5633	86.50	60-100
36	Hexachloroethane	3256	2228	68.43	35-110
37	N-Nitrosodinpropyl	3256	2549	78.27	40-115
42	Nitrobenzene	3256	2422	74.38	40-115
44	Isophorone	3256	2651	81.40	45-115
45	2-Nitrophenol	3256	2629	80.74	40-110
46	2,4-Dimethyphenol	3256	2907	89.26	30-105
47	Bis(2-chloroethoxy	3256	2505	76.92	45-110
49	2,4-Dichlorophenol	3256	2996	92.00	45-110
50	Benzoic Acid	3256	2741	84.18	0-110
51	1,2,4-Trichloroben	3256	2422	74.38	30-110
52	Naphthalene	3256	2465	75.69	40-105
54	4-Chloroaniline	3256	2412	74.09	10-95
57	Hexachlorobutadien	3256	2510	77.10	40-115
60	4-Chloro-3-Methylp	3256	3337	102.49	45-115
63	2-Methylnaphthalen	3256	2766	84.96	45-105
69	2,4,6-Trichlorophe	3256	3281	100.75	45-110
70	2,4,5-Trichlorphen	3256	3392	104.19	50-110
71	2-Chloronaphthalen	3256	2836	87.10	45-105
73	2-Nitroaniline	3256	3398	104.34	45-120
76	Dimethylphthalate	3256	3161	97.06	50-110
77	Acenaphthylene	3256	3160	97.04	45-105
79	2,6-Dinitrotoluene	3256	3266	100.30	50-110
80	3-Nitroaniline	3256	3227	99.09	25-110
81	Acenaphthene	3256	2953	90.70	45-110
82	2,4-Dinitrophenol	3256	3127	96.02	15-130
83	Dibenzofuran	3256	3090	94.89	50-105
84	4-Nitrophenol	3256	4207	129.19	15-140
86	2,4-Dinitrotoluene	3256	3550	109.03	50-115
91	Fluorene	3256	3176	97.53	50-110

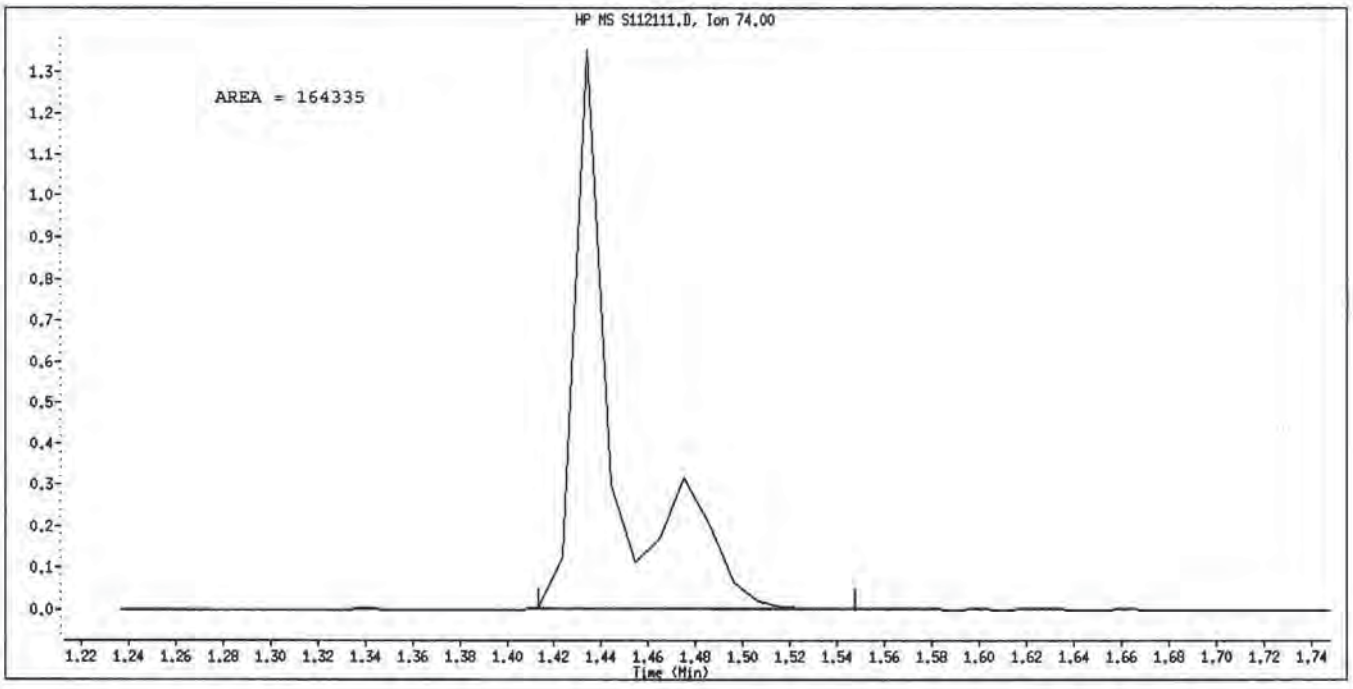
	SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
92	Diethylphthalate	3256	3309	101.63	50-115
93	4-Chlorophenyl-phe	3256	3209	98.55	45-110
94	4-Nitroaniline	3256	3656	112.29	35-115
97	4,6-Dinitro-2-meth	3256	3122	95.88	30-135
98	N-Nitrosodiphenyla	3256	2878	88.39	50-115
100	Azobenzene	3256	2942	90.36	67-109
101	4-Bromophenyl-phen	3256	3023	92.85	45-115
108	Hexachlorobenzene	3256	3099	95.16	45-120
110	Pentachlorophenol	3256	3170	97.34	25-120
114	Phenanthrene	3256	3210	98.60	50-110
115	Anthracene	3256	3268	100.35	55-105
118	Carbazole	3256	3222	98.93	45-115
120	Di-n-Butylphthalat	3256	3531	108.45	55-115
126	Fluoranthene	3256	3934	120.81*	55-115
128	Pyrene	3256	3412	104.79	45-125
136	Butylbenzylphthala	3256	3410	104.71	50-125
138	Benzo(a)Anthracene	3256	3350	102.86	50-110
139	Chrysene	3256	3258	100.07	55-110
140	3,3'-Dichlorobenzi	3256	2680	82.31	10-130
141	bis(2-ethylhexyl)P	3256	3638	111.72	45-125
142	Di-n-octylphthalat	3256	3904	119.91	40-130
144	Benzo(b)fluoranthe	3256	3469	106.55	45-115
145	Benzo(k)fluoranthe	3256	3230	99.18	45-125
148	Benzo(a)pyrene	3256	3018	92.69	50-110
151	Indeno(1,2,3-cd)py	3256	3853	118.32	40-120
152	Dibenzo(a,h)anthra	3256	3385	103.95	40-125
153	Benzo(g,h,i)peryle	3256	3178	97.59	40-125
M 157	3 and 4-methylphen	6512	5633	86.50	40-105

	SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7	2-Fluorophenol	1628	1281	78.66	45-115
$ 8	Phenol-d5	1628	1370	84.13	44-117
$ 11	Nitrobenzene-d5	1628	1264	77.67	40-118
$ 12	2-Fluorobiphenyl	1628	1393	85.54	46-124
$ 13	2,4,6-Tribromophen	1628	1870	114.84	41-122
$ 14	Terphenyl-d14	1628	1669	102.51	44-120

Data File Name: S112111.D
Inj. Date and Time: 21-NOV-2010 16:59
Instrument ID: sv5.i
Client ID:
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 11/22/2010



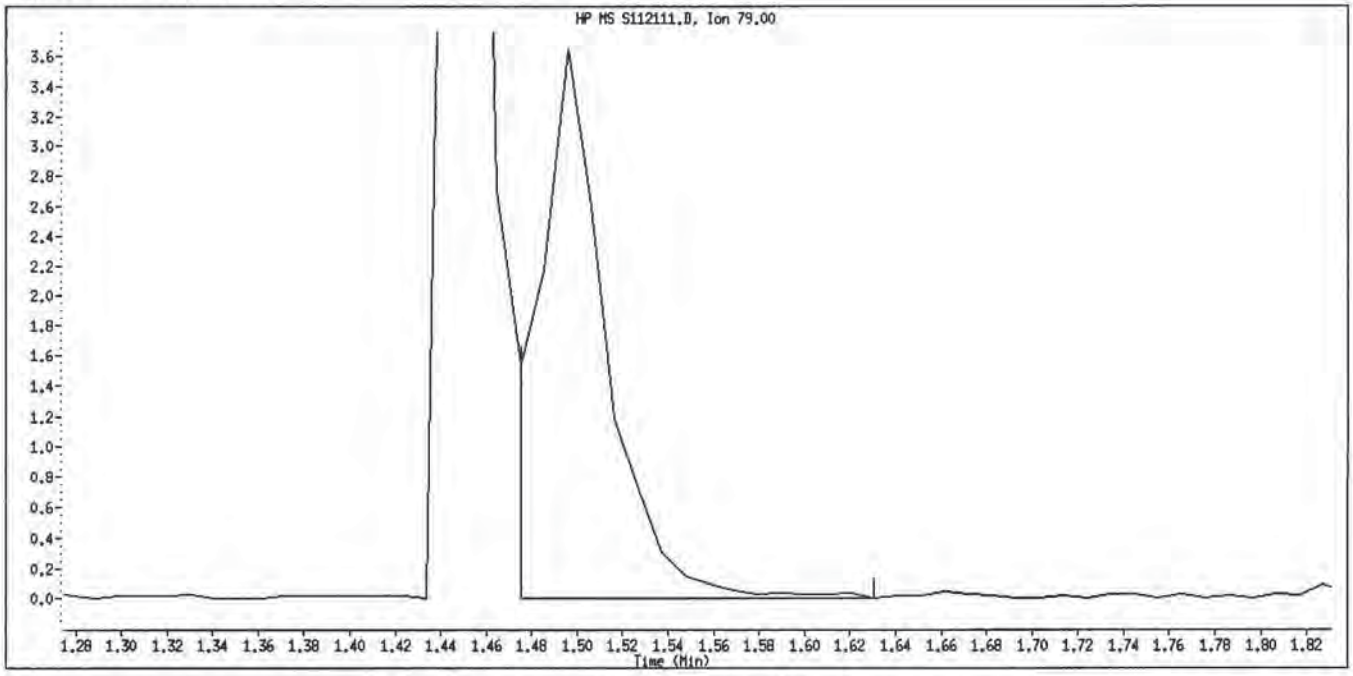
Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: S112111.D
Inj. Date and Time: 21-NOV-2010 16:59
Instrument ID: sv5.i
Client ID:
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 11/22/2010



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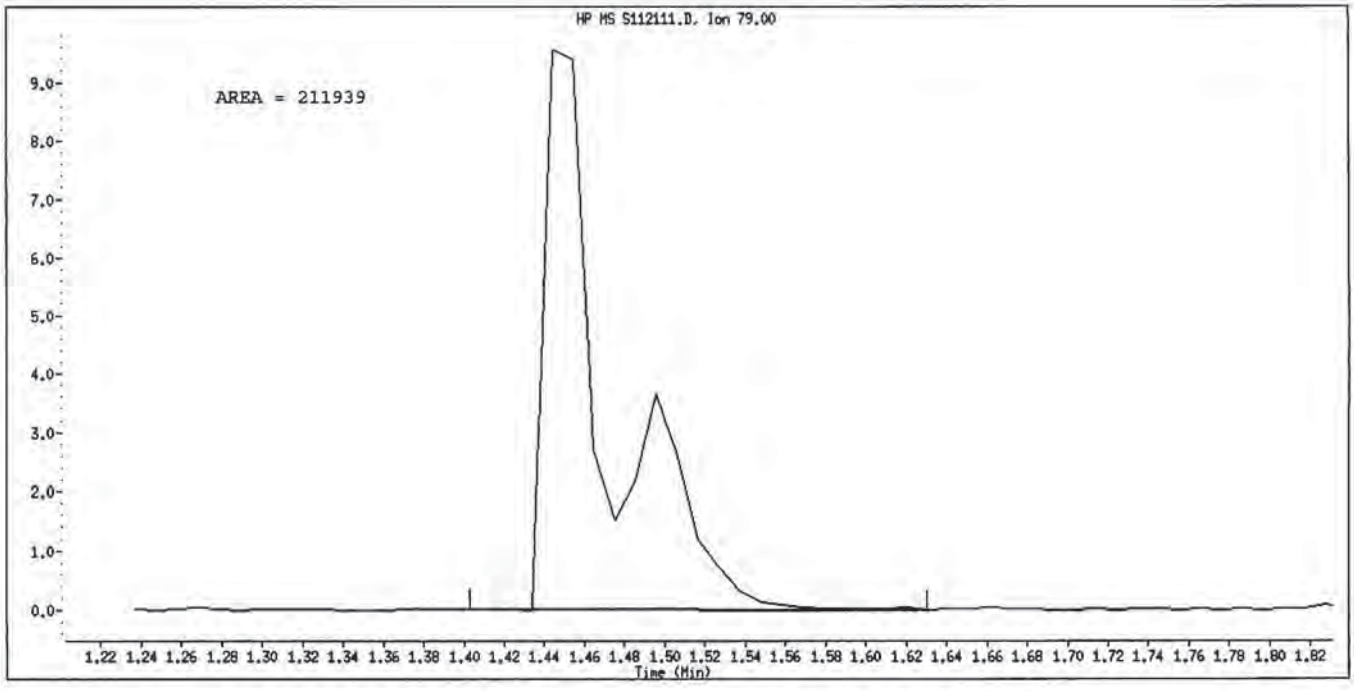
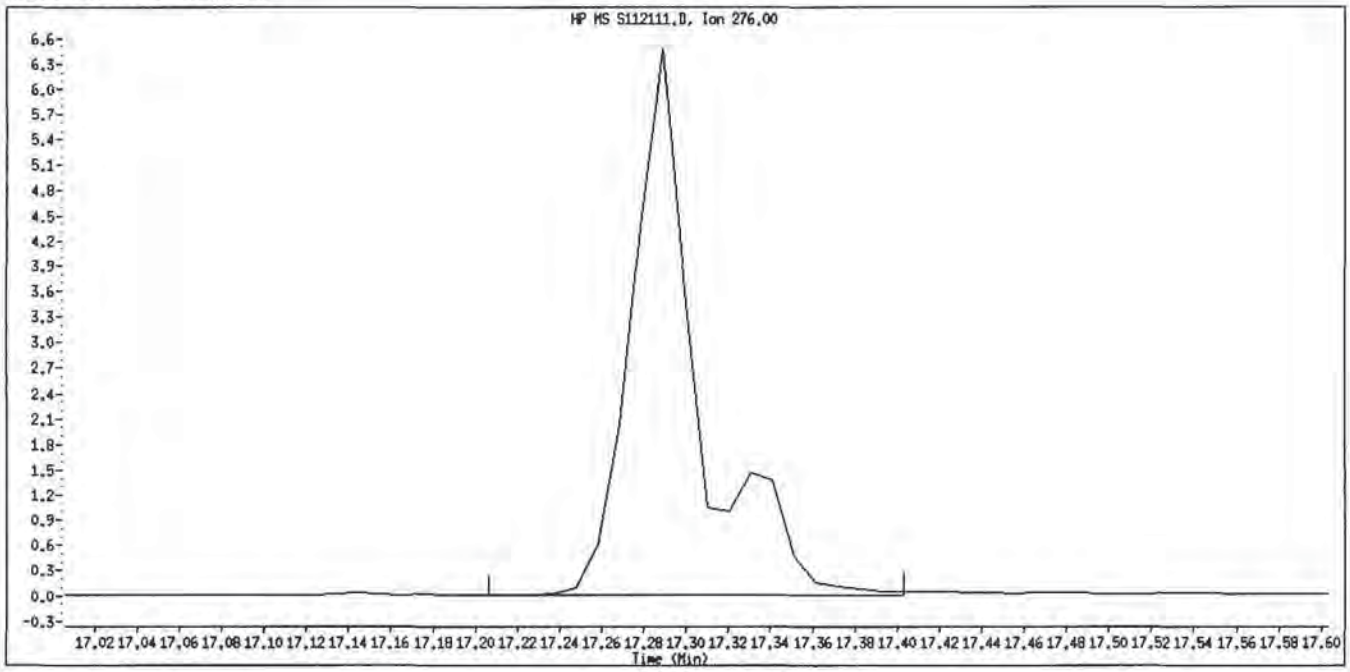


Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: S112111.D
Inj. Date and Time: 21-NOV-2010 16:59
Instrument ID: sv5.i
Client ID:
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 11/22/2010



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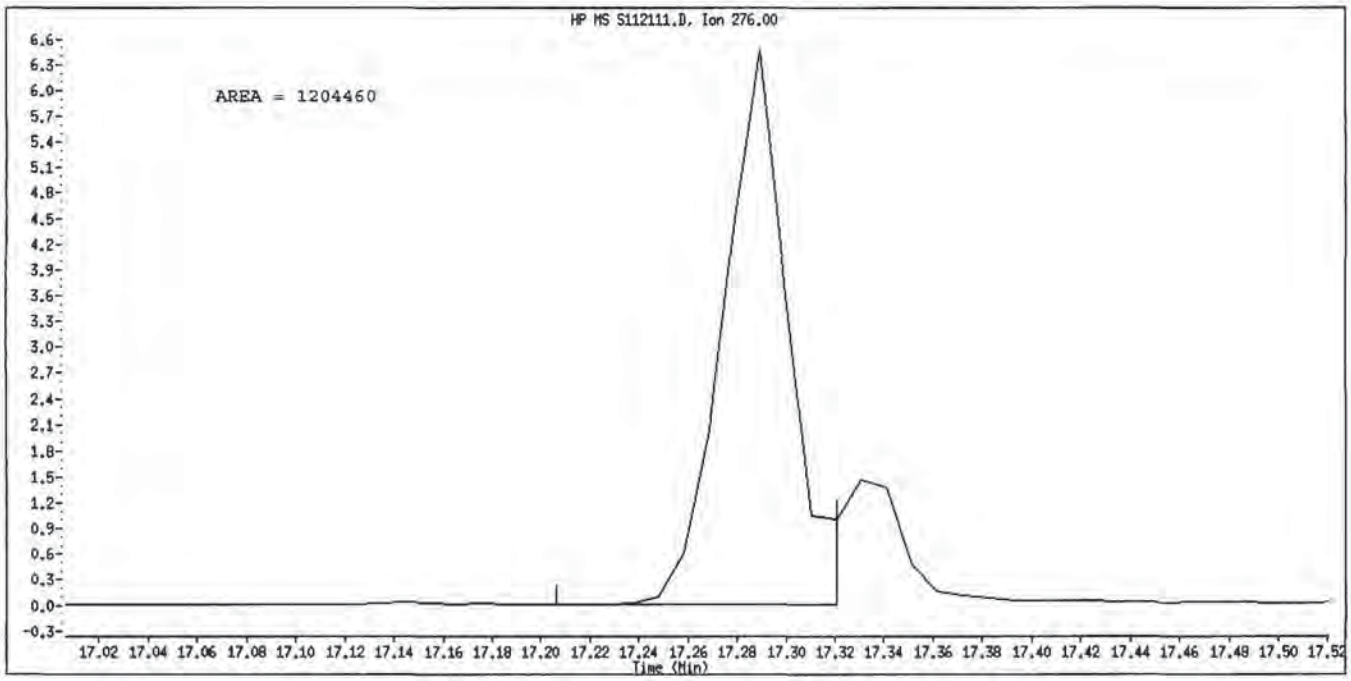


Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\112110.B\S112111.D
Lab Smp Id: MAC5P1AF G0K200425-
Inj Date : 21-NOV-2010 16:59
Operator : KT Inst ID: sv5.i
Smp Info : MAC5P1AF G0K200425-6D;3;MSD;;;30.71;1000;2
Misc Info : 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\112110.B\8270F.m
Meth Date : 21-Nov-2010 13:41 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 8 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: A13QLD4.SUB
Target Version: 4.14
Processing Host: SV5

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.710	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	3.672	3.672	(1.000)	112068	40.0000	
* 2	Naphthalene-d8	136	5.081	5.081	(1.000)	475353	40.0000	
* 3	Acenaphthene-d10	164	7.174	7.174	(1.000)	259181	40.0000	
* 4	Phenanthrene-d10	188	9.050	9.050	(1.000)	468199	40.0000	
* 5	Chrysene-d12	240	13.371	13.371	(1.000)	501182	40.0000	
* 6	Perylene-d12	264	15.734	15.734	(1.000)	490413	40.0000	
$ 7	2-Fluorophenol	112	2.470	2.459	(0.673)	155358	39.3294	1281
$ 8	Phenol-d5	99	3.350	3.350	(0.913)	208940	42.0631	1370
$ 11	Nitrobenzene-d5	82	4.293	4.293	(0.845)	156359	38.8356	1264
$ 12	2-Fluorobiphenyl	172	6.387	6.387	(0.890)	357081	42.7692	1393
$ 13	2,4,6-Tribromophenol	330	8.159	8.159	(1.137)	64666	57.4177	1870
$ 14	Terphenyl-d14	244	11.630	11.630	(0.870)	506006	51.2569	1669
15	N-Nitrosodimethylamine	74	1.433	1.433	(0.390)	113912	44.1197	1437(Q)
16	Pyridine	79	1.495	1.454	(0.407)	73683	17.0652	555.7(Q)
23	Aniline	93	3.371	3.371	(0.918)	342492	54.1689	1764(q)
24	Phenol	94	3.361	3.361	(0.915)	452284	79.2388	2580(q)
26	Bis(2-chloroethyl)ether	93	3.433	3.433	(0.935)	296529	74.0862	2412
27	2-Chlorophenol	128	3.485	3.485	(0.949)	342400	78.1499	2545
28	1,3-Dichlorobenzene	146	3.630	3.630	(0.989)	312633	65.5093	2133

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/Kg)
29	1,4-Dichlorobenzene	146	3.682	3.682	(1.003)	324894	65.1047	2120
30	Benzyl Alcohol	108	3.837	3.848	(1.045)	240391	81.6374	2658
31	1,2-Dichlorobenzene	146	3.879	3.889	(1.056)	315559	68.7840	2240
32	2-Methylphenol	108	3.993	3.993	(1.087)	330110	82.3879	2683
33	2,2'-oxybis(1-Chloropropane)	45	4.014	4.014	(1.093)	453622	71.2112	2319
34	4-Methylphenol	108	4.159	4.159	(1.133)	736239	172.993	5633(A)
36	Hexachloroethane	117	4.211	4.210	(1.147)	116251	68.4292	2228
37	N-Nitrosodinpropylamine	70	4.169	4.169	(1.135)	221879	78.2708	2549
38	n-Nitrosopyrrolidine	100	Compound Not Detected.					
42	Nitrobenzene	77	4.314	4.314	(0.849)	292740	74.3847	2422
44	Isophorone	82	4.573	4.583	(0.900)	616023	81.4039	2651
45	2-Nitrophenol	139	4.677	4.677	(0.920)	188529	80.7437	2629
46	2,4-Dimethyphenol	107	4.749	4.749	(0.935)	370331	89.2618	2907
47	Bis(2-chloroethoxy)methane	93	4.853	4.853	(0.955)	355662	76.9198	2505
49	2,4-Dichlorophenol	162	4.946	4.946	(0.973)	295302	91.9994	2996
50	Benzoic Acid	122	4.874	4.874	(0.959)	193318	84.1814	2741
51	1,2,4-Trichlorobenzene	180	5.040	5.039	(0.992)	258504	74.3792	2422
52	Naphthalene	128	5.102	5.102	(1.004)	993392	75.6881	2465
54	4-Chloroaniline	127	5.205	5.205	(1.024)	381118	74.0868	2412
55	2,6-Dichlorophenol	162	4.946	5.222	(0.973)	295307	98.5952	3210(q)
57	Hexachlorobutadiene	225	5.330	5.330	(1.049)	131138	77.0998	2510
60	4-Chloro-3-Methylphenol	107	5.806	5.806	(1.143)	367394	102.493	3337
63	2-Methylnaphthalene	142	5.910	5.910	(1.163)	700450	84.9576	2766
66	Hexachlorocyclopentadiene	237	6.190	6.190	(0.863)	100369	51.9010	1690
69	2,4,6-Trichlorophenol	196	6.293	6.304	(0.877)	208336	100.751	3281
70	2,4,5-Trichlorphenol	196	6.345	6.345	(0.884)	232093	104.187	3392
71	2-Chloronaphthalene	162	6.490	6.490	(0.905)	635285	87.0962	2836
73	2-Nitroaniline	65	6.667	6.666	(0.929)	230673	104.343	3398
76	Dimethylphthalate	163	6.946	6.946	(0.968)	815116	97.0622	3161
77	Acenaphthylene	152	6.988	6.988	(0.974)	1232633	97.0405	3160
79	2,6-Dinitrotoluene	165	7.019	7.019	(0.978)	196254	100.304	3266
80	3-Nitroaniline	138	7.164	7.164	(0.999)	242003	99.0935	3227
81	Acenaphthene	153	7.205	7.216	(1.004)	733357	90.6993	2953
82	2,4-Dinitrophenol	184	7.288	7.288	(1.016)	119089	96.0246	3127
83	Dibenzofuran	168	7.402	7.402	(1.032)	1018235	94.8884	3090
84	4-Nitrophenol	109	7.413	7.413	(1.033)	130867	129.186	4207(Q)
86	2,4-Dinitrotoluene	165	7.475	7.475	(1.042)	279981	109.025	3550
91	Fluorene	166	7.817	7.817	(1.090)	866628	97.5276	3176
92	Diethylphthalate	149	7.807	7.806	(1.088)	873881	101.634	3309
93	4-Chlorophenyl-phenylether	204	7.848	7.848	(1.094)	364090	98.5476	3209
94	4-Nitroaniline	138	7.920	7.910	(1.104)	271845	112.294	3656
97	4,6-Dinitro-2-methylphenol	198	7.972	7.972	(0.881)	166946	95.8767	3122
98	N-Nitrosodiphenylamine	169	8.003	8.003	(0.884)	627262	88.3899	2878
100	Azobenzene	77	8.034	8.034	(0.888)	831932	90.3571	2942
101	4-Bromophenyl-phenylether	248	8.470	8.470	(0.936)	212212	92.8478	3023
108	Hexachlorobenzene	284	8.646	8.646	(0.955)	242903	95.1645	3099
110	Pentachlorophenol	266	8.905	8.905	(0.984)	154409	97.3377	3170
114	Phenanthrene	178	9.081	9.081	(1.003)	1454979	98.5961	3210
115	Anthracene	178	9.143	9.154	(1.010)	1479396	100.346	3268
118	Carbazole	167	9.413	9.413	(1.040)	1332413	98.9329	3222
120	Di-n-Butylphthalate	149	10.117	10.117	(1.118)	1757313	108.445	3531
126	Fluoranthene	202	10.915	10.915	(1.206)	1597417	120.806	3934(R)
127	Benzidine	184	Compound Not Detected.					
128	Pyrene	202	11.268	11.268	(0.843)	1641531	104.789	3412
134	3,3'-dimethylbenzidine	212	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
136 Butylbenzylphthalate	149	12.605	12.604	(0.943)	822135	104.712	3410
138 Benzo(a)Anthracene	228	13.340	13.340	(0.998)	1373230	102.864	3350
139 Chrysene	228	13.413	13.413	(1.003)	1366617	100.071	3258
140 3,3'-Dichlorobenzidine	252	13.403	13.402	(1.002)	414487	82.3127	2680
141 bis(2-ethylhexyl)Phthalate	149	13.724	13.734	(1.026)	1208206	111.716	3638
142 Di-n-octylphthalate	149	14.781	14.781	(1.105)	2072932	119.908	3904
144 Benzo(b)fluoranthene	252	15.164	15.164	(0.964)	1182841	106.547	3469
145 Benzo(k)fluoranthene	252	15.195	15.195	(0.966)	1413411	99.1805	3230
147 Benzo(e)pyrene	252	15.651	15.579	(0.995)	1167866	100.880	3285
148 Benzo(a)pyrene	252	15.651	15.651	(0.995)	1166552	92.6877	3018
151 Indeno(1,2,3-cd)pyrene	276	17.289	17.289	(1.099)	1435723	141.039	4593(R)
152 Dibenzo(a,h)anthracene	278	17.330	17.330	(1.101)	1182192	103.953	3385
153 Benzo(g,h,i)perylene	276	17.672	17.672	(1.123)	1201623	97.5922	3178
M 157 3 and 4-methylphenol	108				736239	172.993	5633

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S112111.D
Lab Smp Id: MAC5P1AF G0K200425-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

Calibration Date: 21-NOV-2010
Calibration Time: 11:50
Level: LOW
Sample Type: SOL

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	112068	-8.61
2 Naphthalene-d8	530514	265257	1061028	475353	-10.40
3 Acenaphthene-d10	282538	141269	565076	259181	-8.27
4 Phenanthrene-d10	462722	231361	925444	468199	1.18
5 Chrysene-d12	435850	217925	871700	501182	14.99
6 Perylene-d12	422284	211142	844568	490413	16.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.67	3.17	4.17	3.67	0.00
2 Naphthalene-d8	5.08	4.58	5.58	5.08	0.00
3 Acenaphthene-d10	7.17	6.67	7.67	7.17	0.00
4 Phenanthrene-d10	9.05	8.55	9.55	9.05	0.00
5 Chrysene-d12	13.37	12.87	13.87	13.37	0.00
6 Perylene-d12	15.73	15.23	16.23	15.73	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.

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MAC5P1AF G0K200425-
Level: LOW Operator: KT
Data Type: MS DATA SampleType: MSD
SpikeList File: A13QLD4.SPK Quant Type: ISTD
Sublist File: A13QLD4.SUB
Method File: \\SV5\C\chem\sv5.i\112110.B\8270F.m
Misc Info: 2;SOL;0;A13QLD4.SUB;A13QLD4.SPK;1;;8270F.M

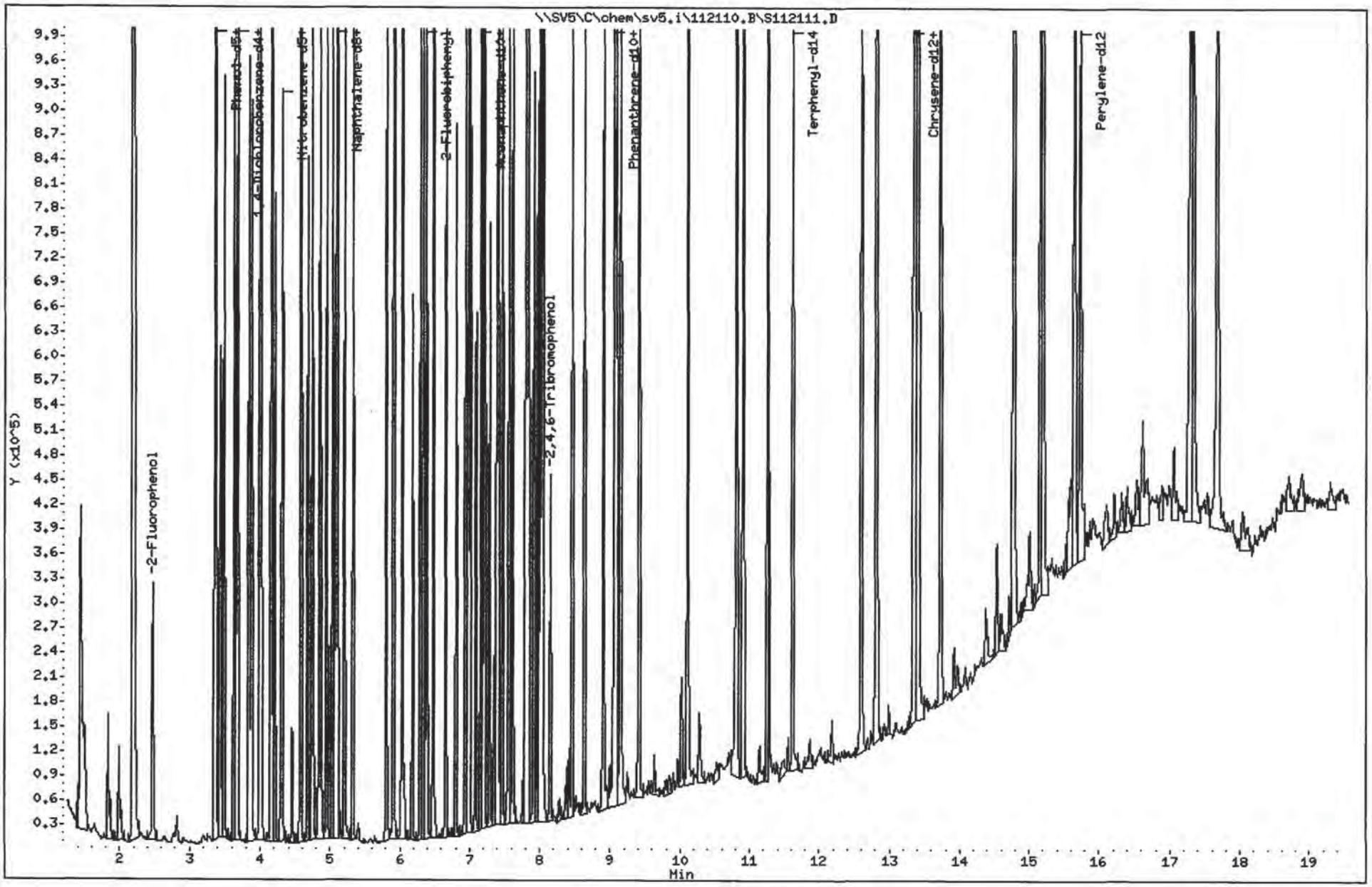
SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
15	N-Nitrosodimethyla	3256	1437	44.12	20-115
24	Phenol	3256	2580	79.24	40-100
26	Bis(2-chloroethyl)	3256	2412	74.09	40-105
27	2-Chlorophenol	3256	2545	78.15	45-105
28	1,3-Dichlorobenzen	3256	2133	65.51	40-100
29	1,4-Dichlorobenzen	3256	2120	65.10	35-105
30	Benzyl Alcohol	3256	2658	81.64	20-125
31	1,2-Dichlorobenzen	3256	2240	68.78	45-95
32	2-Methylphenol	3256	2683	82.39	40-105
33	2,2'-oxybis(1-Chlo	3256	2319	71.21	20-115
34	4-Methylphenol	6512	5633	86.50	60-100
36	Hexachloroethane	3256	2228	68.43	35-110
37	N-Nitrosodinpropyl	3256	2549	78.27	40-115
42	Nitrobenzene	3256	2422	74.38	40-115
44	Isophorone	3256	2651	81.40	45-115
45	2-Nitrophenol	3256	2629	80.74	40-110
46	2,4-Dimethyphenol	3256	2907	89.26	30-105
47	Bis(2-chloroethoxy	3256	2505	76.92	45-110
49	2,4-Dichlorophenol	3256	2996	92.00	45-110
50	Benzoic Acid	3256	2741	84.18	0-110
51	1,2,4-Trichloroben	3256	2422	74.38	30-110
52	Naphthalene	3256	2465	75.69	40-105
54	4-Chloroaniline	3256	2412	74.09	10-95
57	Hexachlorobutadien	3256	2510	77.10	40-115
60	4-Chloro-3-Methylp	3256	3337	102.49	45-115
63	2-Methylnaphthalen	3256	2766	84.96	45-105
69	2,4,6-Trichlorophe	3256	3281	100.75	45-110
70	2,4,5-Trichlorphen	3256	3392	104.19	50-110
71	2-Chloronaphthalen	3256	2836	87.10	45-105
73	2-Nitroaniline	3256	3398	104.34	45-120
76	Dimethylphthalate	3256	3161	97.06	50-110
77	Acenaphthylene	3256	3160	97.04	45-105
79	2,6-Dinitrotoluene	3256	3266	100.30	50-110
80	3-Nitroaniline	3256	3227	99.09	25-110
81	Acenaphthene	3256	2953	90.70	45-110
82	2,4-Dinitrophenol	3256	3127	96.02	15-130
83	Dibenzofuran	3256	3090	94.89	50-105
84	4-Nitrophenol	3256	4207	129.19	15-140
86	2,4-Dinitrotoluene	3256	3550	109.03	50-115
91	Fluorene	3256	3176	97.53	50-110

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
92 Diethylphthalate	3256	3309	101.63	50-115
93 4-Chlorophenyl-phe	3256	3209	98.55	45-110
94 4-Nitroaniline	3256	3656	112.29	35-115
97 4,6-Dinitro-2-meth	3256	3122	95.88	30-135
98 N-Nitrosodiphenyla	3256	2878	88.39	50-115
100 Azobenzene	3256	2942	90.36	67-109
101 4-Bromophenyl-phen	3256	3023	92.85	45-115
108 Hexachlorobenzene	3256	3099	95.16	45-120
110 Pentachlorophenol	3256	3170	97.34	25-120
114 Phenanthrene	3256	3210	98.60	50-110
115 Anthracene	3256	3268	100.35	55-105
118 Carbazole	3256	3222	98.93	45-115
120 Di-n-Butylphthalat	3256	3531	108.45	55-115
126 Fluoranthene	3256	3934	120.81*	55-115
128 Pyrene	3256	3412	104.79	45-125
136 Butylbenzylphthala	3256	3410	104.71	50-125
138 Benzo(a)Anthracene	3256	3350	102.86	50-110
139 Chrysene	3256	3258	100.07	55-110
140 3,3'-Dichlorobenzi	3256	2680	82.31	10-130
141 bis(2-ethylhexyl)P	3256	3638	111.72	45-125
142 Di-n-octylphthalat	3256	3904	119.91	40-130
144 Benzo(b)fluoranthe	3256	3469	106.55	45-115
145 Benzo(k)fluoranthe	3256	3230	99.18	45-125
148 Benzo(a)pyrene	3256	3018	92.69	50-110
151 Indeno(1,2,3-cd)py	3256	4593	141.04*	40-120
152 Dibenzo(a,h)anthra	3256	3385	103.95	40-125
153 Benzo(g,h,i)peryle	3256	3178	97.59	40-125
M 157 3 and 4-methylphen	6512	5633	86.50	40-105

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	1628	1281	78.66	45-115
$ 8 Phenol-d5	1628	1370	84.13	44-117
$ 11 Nitrobenzene-d5	1628	1264	77.67	40-118
$ 12 2-Fluorobiphenyl	1628	1393	85.54	46-124
$ 13 2,4,6-Tribromophen	1628	1870	114.84	41-122
$ 14 Terphenyl-d14	1628	1669	102.51	44-120

Data File: \\SV5\C\chem\sv5.i\112110.B\S112111.D
Date : 21-NOV-2010 16:59
Client ID:
Sample Info: MAC5P1AF G0K200425-6D;3;MSD;;;30.71;1000;2
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i
Operator: KT
Column diameter: 2.00



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento

MS SemiVoa ICAL Checklist (AP9 Mix, Method 8270C)

Instrument: SV5

Injection Date: 08/17/10

Initiator/Date: KT-08/18/10

Reviewer/Date: 8/18/10

DFTPP Mix ID: 10MSSV0068

STD Mix IDs: 10MSSV0321-0327

2nd Source Mix ID: 10MSSV0335-0336

NCM _____

I: Criteria

	Initiated	Reviewed
Tailing and degradation criteria are met.	☒	☒
The Tune Documentation is present and meets criteria	☒	☒
All Internal Standards within 50-200% of ICAL mid-point.	☒	☒
Calibration History Included.	☒	☒
Manual re-integrations are checked/initialed and hardcopies included.	☒	☒
Standards analyzed with within 12 hours of Tune time.	☒	☒
Retention time correct for Isomers and all other analytes.	☒	☒
Linear Regressions >0.990 and intercept < ± (½ RL / IS amount)	☒	☒

II: Compounds Over 15% RSD *(Write compound and %RSD)*

None.

III: Second Source: Compounds Over 25% D *(Write compound and %D)*

Methyl methanesulfonate=-23.6%, Kepone-22.7%

IV: Additional Remarks

1,3,5-Trinitrobenzene, 2-sec-Butyl-4,6-dinitrophenol, 4-Nitroquinoline-1-oxide, Kepone and Famphu UCL=120ug.
Aramite (Total) LCL=20ug

\\SACP104\BRIGHTSIDE\BRIGHTSIDE\8270KEITH\CURVES\8270 COVER PAGES\HSL\SV5_AP9_ICAL_081710.DOC QA-512 ERS 1/2/08

GC/MS INSTRUMENT LOG
SEMI-VOLATILES

Method Key (MTH Column)
QL = EPA 8270C (WS-MS-0005)
JZ = EPA TO-13A (WS-MS-0005)
VX = EPA 8270C-SIM (mod) CWM (WS-MS-0003)
QI = EPA 8270C-SIM (WS-MS-0008)
FX = PAH-SIM Isotope Dilution (WS-MS-0006)
F9 = EPA 8270C-SIM (mod) 1,4-Dioxane (WS-MS-0011)

Inst ID : sv5.i
Batch ID : 081710.B
ICAL Date: See Calib Report
See raw data for standard IDs

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
17-AUG-2010	15:46	KT	QC	QC001.D	NA	NA	NA		
17-AUG-2010	16:12	KT	QC	QC002.D	NA	NA	NA		
17-AUG-2010	16:38	KT	QC	QC003.D	NA	NA	NA		
17-AUG-2010	17:11	KT	DFTPP 50ug/ml	DFT0817.D	NA	NA	NA		
17-AUG-2010	17:32	KT	HSL_050 ug/ml CS-4	HSL0817D.	NA	NA	NA		
17-AUG-2010	17:58	KT	HSL_005 ug/ml CS-1	HSL0817A.	NA	NA	NA		
17-AUG-2010	18:23	KT	HSL_010 ug/ml CS-2	HSL0817B.	NA	NA	NA		
17-AUG-2010	18:49	KT	HSL_020 ug/ml CS-3	HSL0817C.	NA	NA	NA		
17-AUG-2010	19:15	KT	HSL_080 ug/ml CS-5	HSL0817E.	NA	NA	NA		
17-AUG-2010	19:41	KT	HSL_120 ug/ml CS-6	HSL0817F.	NA	NA	NA		
17-AUG-2010	20:08	KT	HSL_160 ug/ml CS-7	HSL0817G.	NA	NA	NA		
17-AUG-2010	20:34	KT	HSL_050 ug/ml ICV	HSL0817H.	NA	NA	NA		
17-AUG-2010	21:19	KT	AP9_050 ug/ml CS-4	AP90817D.	NA	NA	NA		
17-AUG-2010	21:45	KT	AP9_005 ug/ml CS-1	AP90817A.	NA	NA	NA		
17-AUG-2010	22:11	KT	AP9_010 ug/ml CS-2	AP90817B.	NA	NA	NA		
17-AUG-2010	22:37	KT	AP9_020 ug/ml CS-3	AP90817C.	NA	NA	NA		
17-AUG-2010	23:03	KT	AP9_080 ug/ml CS-5	AP90817E.	NA	NA	NA		
17-AUG-2010	23:29	KT	AP9_120 ug/ml CS-6	AP90817F.	NA	NA	NA		
17-AUG-2010	23:55	KT	AP9_160 ug/ml CS-7	AP90817G.	NA	NA	NA		
18-AUG-2010	00:21	KT	AP9_050 ug/ml ICV	AP90817H.	NA	NA	NA		
18-AUG-2010	00:47	KT	AP9_050 ug/ml ARAMITE ICV	AP90817J.	NA	NA	NA		
18-AUG-2010	01:11	KT	DFTPP 50ug/ml	DFT0817A.	NA	NA	NA		
18-AUG-2010	01:32	KT	HSL_050 ug/ml CS-4	HSL0817.D	NA	NA	NA		
18-AUG-2010	01:58	KT	AP9_050 ug/ml CS-4	AP90817.D	NA	NA	NA		
18-AUG-2010	02:24	KT	L49ET1AA G0H060000-399B	S081701.D	1000 Sa	1 mL	1	JZ	
18-AUG-2010	02:50	KT	L49ET1AC G0H060000-399C	S081702.D	1000 Sa	1 mL	1	JZ	
18-AUG-2010	03:16	KT	L49ET1AD G0H060000-399L	S081703.D	1000 Sa	1 mL	1	JZ	

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Calibration File Names:
Level 1: \\SV5\C\chem\sv5.i\081710.B\AP90817A.D
Level 2: \\SV5\C\chem\sv5.i\081710.B\AP90817B.D
Level 3: \\SV5\C\chem\sv5.i\081710.B\AP90817C.D
Level 4: \\SV5\C\chem\sv5.i\081710.B\AP90817D.D
Level 5: \\SV5\C\chem\sv5.i\081710.B\AP90817E.D
Level 6: \\SV5\C\chem\sv5.i\081710.B\AP90817F.D
Level 7: \\SV5\C\chem\sv5.i\081710.B\AP90817G.D

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
17 2-Picoline	1.71577	1.54858	1.65613	1.59787	1.60690	1.82860					
	1.72445						AVRG		1.66833		5.70291
18 n-Nitrosomethylethylamine	0.78914	0.67869	0.74839	0.74055	0.76823	0.78911					
	0.77595						AVRG		0.75572		5.12909
19 Methyl methanesulfonate	0.58791	0.64421	0.63829	0.62820	0.62670	0.67553					
	0.65647						AVRG		0.63676		4.30559
21 n-Nitrosodiethylamine	0.70698	0.70661	0.77489	0.79916	0.82397	0.82822					
	0.81932						AVRG		0.77988		6.80827

Manual calculation for a,a-Dimethylphenethylamine @ Level 2:

$\frac{110159}{436451} \times \frac{40}{10} = 1.01424$ KY 9/8/10

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
22 Ethyl methanesulfonate	1.09949	1.02612	1.12026	1.10205	1.12018	1.14655					
	1.14207						AVRG		1.10810		3.63944
20 Benzaldehyde	1.26800	1.24704	1.35148	1.30355	1.30998	1.34277					
	1.30640						AVRG		1.30417		2.85860
25 Pentachloroethane	0.51320	0.49668	0.53228	0.51017	0.51782	0.54271					
	0.53175						AVRG		0.52066		3.02979
35 Acetophenone	0.44447	0.45078	0.48667	0.46708	0.46889	0.46503					
	0.47781						AVRG		0.46582		3.12615
38 n-Nitrosopyrrolidine	0.81043	0.78134	0.84101	0.85721	0.87264	0.90775					
	0.86814						AVRG		0.84836		4.94741
39 3-Methylphenol	1.45766	1.37015	1.55012	1.55393	1.60822	1.65062					
	1.64670						AVRG		1.54820		6.65675
40 o-Toluidine	2.44397	2.44634	2.53001	2.58045	2.63206	2.67297					
	2.60096						AVRG		2.55811		3.47100

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

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Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
	160.0000 Level 7										
41 n-Nitrosomorpholine	1.14444	1.12820	1.16399	1.16253	1.19767	1.20986					
	1.18920						AVRG		1.17084		2.51696
43 N-Nitrosopiperidine	0.24684	0.23963	0.26279	0.27190	0.26971	0.27184					
	0.27351						AVRG		0.26232		5.20170
48 o,o,o-TEPT	0.13210	0.13253	0.13719	0.14402	0.14536	0.14157					
	0.14768						AVRG		0.14007		4.44480
53 a-,a-Dimethylphenethylamine	1.00454	1.01424	1.11451	1.18029	1.18471	1.20565					
	1.24433						AVRG		1.13547		8.31523
56 Hexachloropropene	0.12532	0.11624	0.13691	0.13782	0.14152	0.14660					
	0.15480						AVRG		0.13703		9.40950
58 p-Phenylenediamine	0.39773	0.41166	0.45848	0.49856	0.49491	0.50120					
	0.50979						AVRG		0.46748		9.84459
59 N-Nitroso-di-n-butylamine	0.21444	0.20727	0.22883	0.25062	0.24537	0.24675					
	0.25448						AVRG		0.23539		7.94304

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
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Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
55 2,6-Dichlorophenol	0.24709	0.22506	0.25177	0.25546	0.25679	0.26308					
	0.26499						AVRG		0.25204		5.31494
61 Safrole	0.20835	0.22725	0.25444	0.26741	0.26287	0.26320					
	0.26556						AVRG		0.24987		9.18006
65 1-Methylnaphthalene	0.65074	0.66198	0.69825	0.70116	0.71492	0.70359					
	0.71067						AVRG		0.69162		3.60679
67 1,2,4,5-Tetrachlorobenzene	0.42147	0.42480	0.43091	0.41833	0.42047	0.40684					
	0.42116						AVRG		0.42057		1.73521
68 Isosafrole#1	0.09722	0.07815	0.08393	0.08577	0.08520	0.08346					
	0.08868						AVRG		0.08606		6.81062
72 Isosafrole#2	0.45689	0.46608	0.45744	0.48268	0.49305	0.47369					
	0.51415						AVRG		0.47771		4.34352
64 1-Chloronaphthalene	1.03055	1.13065	1.12118	1.08461	1.08672	1.05848					
	1.10532						AVRG		1.08822		3.22822

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
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Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
62 Biphenyl	1.57618	1.55603	1.64111	1.59003	1.59480	1.55136					
	1.63685						AVRG		1.59234		2.23935
74 1,4-Naphthoquinone	0.38503	0.40185	0.44389	0.47545	0.46156	0.45525					
	0.48114						AVRG		0.44345		8.26246
75 1,3-Dinitrobenzene	3390	5677	14097	59791	77108	161379					
	238416						QUAD	0.05629	7.06847	-2.51650	0.99932
78 1,4-Dinitrobenzene	3449	6192	18821	77774	103967	198326					
	278281						QUAD	0.08225	5.05830	-0.74697	0.99969
160 1,2-Dinitrobenzene	3309	5705	14822	60230	71418	139932					
	200992						QUAD	0.02727	7.44980	-1.96213	0.99816
85 Pentachlorobenzene	0.39394	0.39686	0.39693	0.38513	0.38750	0.37608					
	0.39924						AVRG		0.39081		2.12863
87 1-Naphthylamine	1.24749	1.27769	1.35787	1.43749	1.35876	1.42518					
	1.49730						AVRG		1.37168		6.49258

TestAmerica West Sacramento

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Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
88 2,3,4,6-Tetrachlorophenol	0.19424	0.22570	0.24847	0.25796	0.25181	0.26383					
	0.26768						AVRG		0.24424		10.62462
89 2-Naphthylamine	1.30236	1.32467	1.44671	1.49008	1.47668	1.47000					
	1.53785						AVRG		1.43548		6.13118
90 2,3,5,6-Tetrachlorophenol	0.18849	0.19947	0.21856	0.24343	0.23531	0.25202					
	0.26427						AVRG		0.22879		12.15940
95 5-Nitro-o-toluidine	7907	15826	40029	155840	207752	394711					
	559816						LINR	0.12476	0.45138		0.99723
96 Thionazin	0.24146	0.23943	0.25721	0.29867	0.29327	0.30548					
	0.32351						AVRG		0.27986		11.95587
99 Diphenylamine	0.60427	0.63588	0.66698	0.69832	0.70819	0.70008					
	0.70362						AVRG		0.67390		5.96122
102 Sulfotepp	0.10576	0.11463	0.12123	0.13530	0.13507	0.13806					
	0.14028						AVRG		0.12719		10.49695

TestAmerica West Sacramento

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Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
103 Diallate 1	0.30881	0.31985	0.33927	0.36372	0.36321	0.35664					
	0.36330						AVRG		0.34497		6.61765
104 1,3,5-Trinitrobenzene	1002	1305	4571	19870	27095	64359					
	+++++						QUAD	0.08453	34.59282	-92.93533	0.99896
105 Phorate	0.55350	0.56976	0.65630	0.76057	0.72701	0.79150					
	0.75621						AVRG		0.68784		13.94826
106 Diallate 2	0.06500	0.06396	0.06249	0.07007	0.06993	0.06934					
	0.07029						AVRG		0.06730		4.97571
107 Phenacetin	14450	28194	72937	265580	339352	666286					
	913620						LINR	0.08857	0.45565		0.99922
109 Dimethoate	0.23576	0.24489	0.26688	0.31188	0.30923	0.29972					
	0.29813						AVRG		0.28093		11.20454
111 4-Aminobiphenyl	0.74458	0.76217	0.83651	0.90959	0.90032	0.89199					
	0.90590						AVRG		0.85015		8.31490

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Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
112 Pentachloronitrobenzene	0.02908	0.02931	0.03463	0.03857	0.03847	0.03821					
	0.03890						AVRG		0.03531		12.51835
113 Pronamide	0.25111	0.25839	0.29710	0.33657	0.33646	0.34613					
	0.34396						AVRG		0.30996		13.27822
116 Disulfoton	0.36018	0.37055	0.41742	0.46903	0.47383	0.48773					
	0.49042						AVRG		0.43845		12.66256
117 2-sec-Butyl-4,6-dinitrophenol	2968	5980	15520	79994	104803	227932					
	+++++						QUAD	0.10673	8.36881	-4.45346	0.99822
119 Methyl Parathion	6189	13273	36263	172082	217968	406124					
	546638						LINR	0.10316	1.08824		0.99726
122 4-Nitroquinoline-1-oxide	1505	2632	8450	47731	61159	151391					
	+++++						QUAD	0.12247	14.63356	-16.93016	0.99684
123 Parathion	3986	7605	25279	109077	135310	279118					
	380290						QUAD	0.11082	5.65356	-0.64713	0.99860

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INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
124 Methapyrilene	0.47255	0.52025	0.58419	0.69564	0.67587	0.64882					
	0.57165						AVRG		0.59557		13.84722
125 Isodrin	0.11413	0.11544	0.13388	0.12857	0.13309	0.12620					
	0.13721						AVRG		0.12693		7.12760
129 Aramite#1	0.03296	0.03041	0.03678	0.05431	0.05581	0.05824					
	0.06257						AVRG		0.04730		28.31560
130 Aramite#2	0.04605	0.04806	0.06742	0.08232	0.08453	0.08797					
	0.09322						AVRG		0.07280		26.49548
131 p-Dimthylaminoazobenzene	13120	25911	72518	279382	355032	700077					
	945178						LINR	0.08394	0.50278		0.99895
132 p-Chlorobenzilate	8605	16439	44306	173185	217152	442699					
	603274						LINR	0.11530	0.30302		0.99829
137 2-Acetylaminofluorene	9115	18524	55142	251920	329769	726257					
	999495						QUAD	0.10311	2.31175	-0.22481	0.99973

see total.
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TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
143 Benzo(j)fluoranthene	0.82673	0.79433	0.92321	0.98943	1.04750	1.03526					
	1.04705						AVRG		0.95193		11.17254
146 7,12-Dimethylbenz(a)anthracen	0.45448	0.46291	0.52467	0.53586	0.56414	0.55482					
	0.55995						AVRG		0.52240		8.75188
149 3-Methylcholanthrene	0.44675	0.46186	0.52232	0.56695	0.58420	0.61004					
	0.64678						AVRG		0.54842		13.64657
150 Dibenz(a,j)acridine	23053	45031	114744	427962	535292	1193474					
	1612109						LINR	0.11986	0.89547		0.99741
M 154 Diallate (Total)	0.37381	0.38381	0.40177	0.43379	0.43314	0.42598					
	0.43359						AVRG		0.41227		6.21613
M 155 Isosafrole (Total)	0.55411	0.54423	0.54137	0.56845	0.57825	0.55715					
	0.60282						AVRG		0.56377		3.81652
M 156 Aramite (Total)	+++++	+++++	0.10420	0.13663	0.14035	0.14621					
	0.15580						AVRG		0.13664		14.28796

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
M 157 3 and 4-methylphenol	1.45766	1.37015	1.55012	1.55393	1.60822	1.65062					
	1.64670						AVRG		1.54820		6.65675
133 Kepone	0.09629	0.10432	0.10406	0.10125	0.09453	+++++					
	+++++						AVRG		0.10009		4.47848
135 Famphur	0.25866	0.26501	0.29114	0.29531	0.26864	+++++					
	+++++						AVRG		0.27575		5.95134

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:39 sv5.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

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Report Date: 18-Aug-2010 15:18

Calibration History

Method : \\sv5\c\chem\sv5.i\081710.B\8270f.m
Start Cal Date: 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Last Cal Level: 7
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
17-AUG-2010 21:45	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817A.D
17-AUG-2010 17:58	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817A.D
Cal Level: 2 , Cal Amount: 10.00000		
17-AUG-2010 22:11	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817B.D
17-AUG-2010 18:23	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817B.D
Cal Level: 3 , Cal Amount: 20.00000		
17-AUG-2010 22:37	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817C.D
17-AUG-2010 18:49	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817C.D
Cal Level: 4 , Cal Amount: 50.00000		
17-AUG-2010 21:19	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817D.D
17-AUG-2010 17:32	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D.D
Cal Level: 5 , Cal Amount: 80.00000		
17-AUG-2010 23:03	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817E.D
17-AUG-2010 19:15	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817E.D
Cal Level: 6 , Cal Amount: 120.00000		
17-AUG-2010 23:29	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817F.D
17-AUG-2010 19:41	1_8270STD	

\\SV5\C\chem\sv5.i\081710.B\HSL0817F.D		

Cal Level: 7 , Cal Amount: 160.00000		
17-AUG-2010 23:55	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817G.D
17-AUG-2010 20:08	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817G.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

17-AUG-2010 20:34	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817H.D
17-AUG-2010 17:32	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D.D
17-AUG-2010 21:19	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817D.D

TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.5343026	5.000	PASS
Benzidine	0.5228771	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	203020	7.3	20.5	PASS

****
*** PASSED ***
****

Sample //SV5/C/chem/sv5.i/081710.B/DFT0817.D/DFT0817.D

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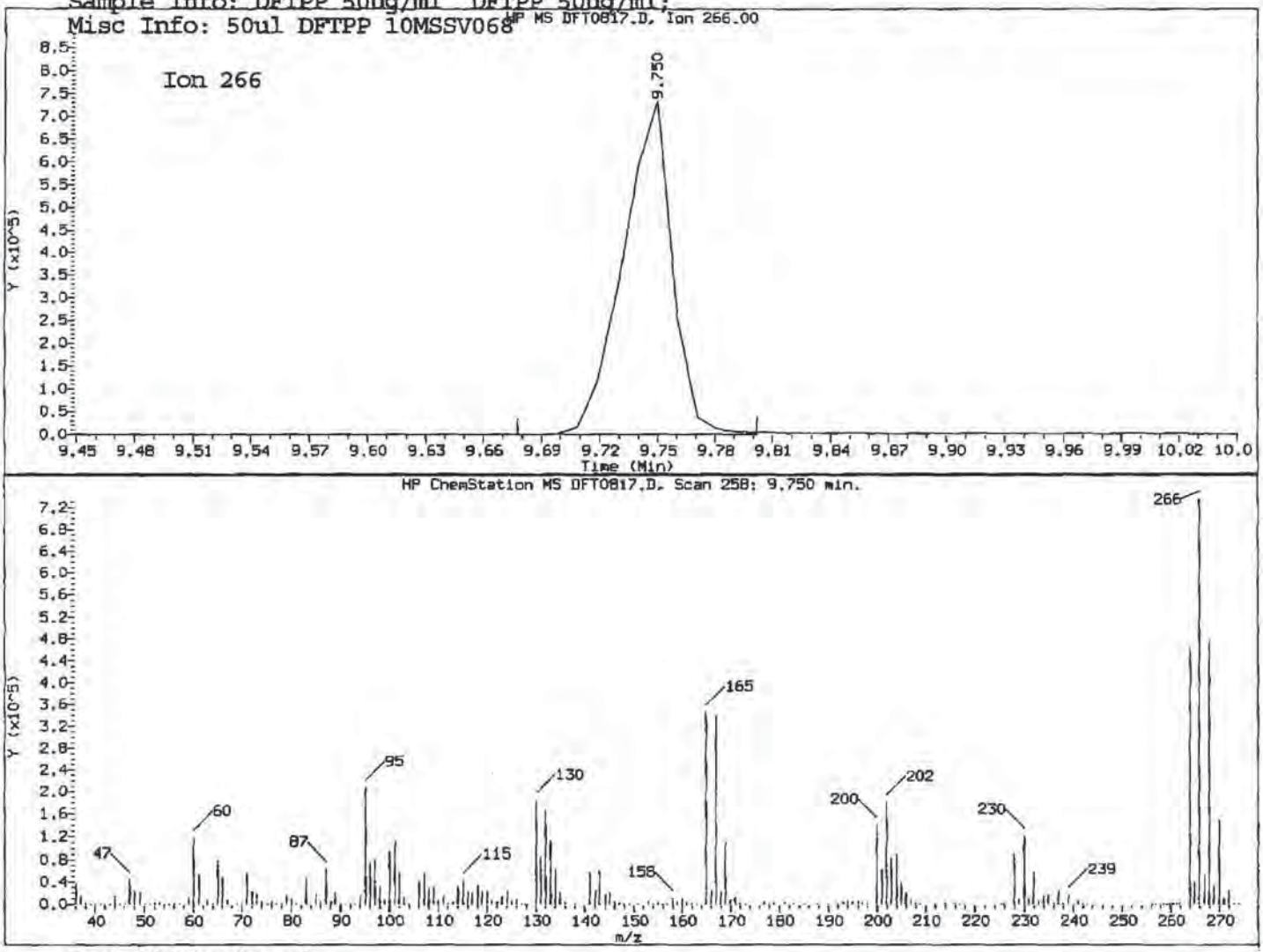
TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 08/17/2010 19:28

Datafile Analyzed: //SV5/C/chem/sv5.i/081710.B/DFT0817.D/DFT0817.D
Method Used: \\SV5\C\chem\sv5.i\081710.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 17-AUG-2010 17:11 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV068



Pentachlorophenol
==========
Exp. RT = 9.771
Found RT = 9.750

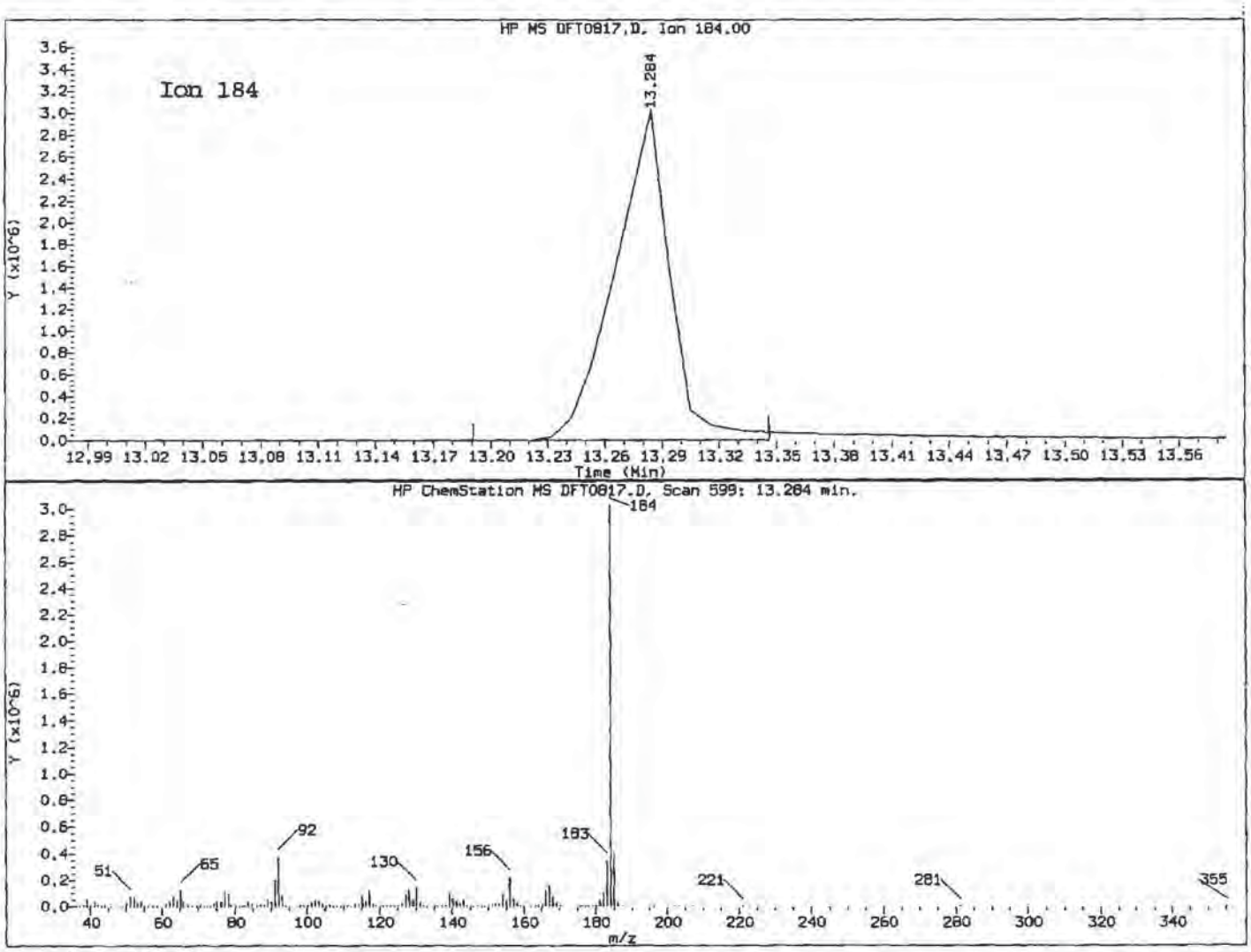
Time1 = 9.714386 Time2 = 9.749983 Time3 = 9.769003
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.534 Maximum Allowed = 5.0

Report Date: 08/17/2010 19:28

Datafile Analyzed: //SV5/C/chem/sv5.i/081710.B/DFT0817.D/DFT0817.D
Method Used: \\SV5\C\chem\sv5.i\081710.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 17-AUG-2010 17:11 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV068



Benzidine
==========
Exp. RT = 13.315
Found RT = 13.284

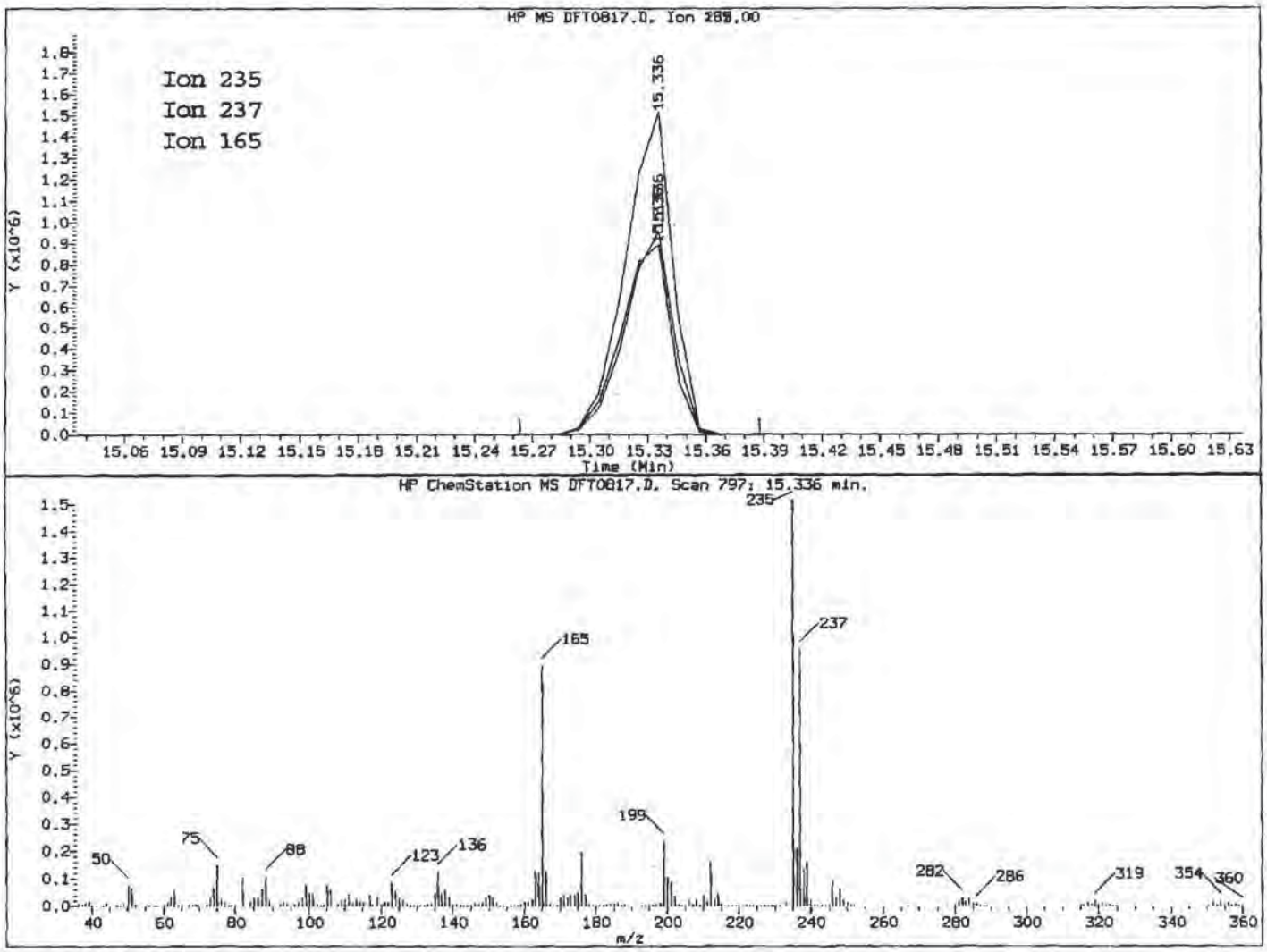
Time1 = 13.24454 Time2 = 13.28377 Time3 = 13.30428
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.523 Maximum Allowed = 3.0

Report Date: 08/17/2010 19:28

Datafile Analyzed: //SV5/C/chem/sv5.i/081710.B/DFT0817.D/DFT0817.D
Method Used: \\SV5\C\chem\sv5.i\081710.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 17-AUG-2010 17:11 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV068

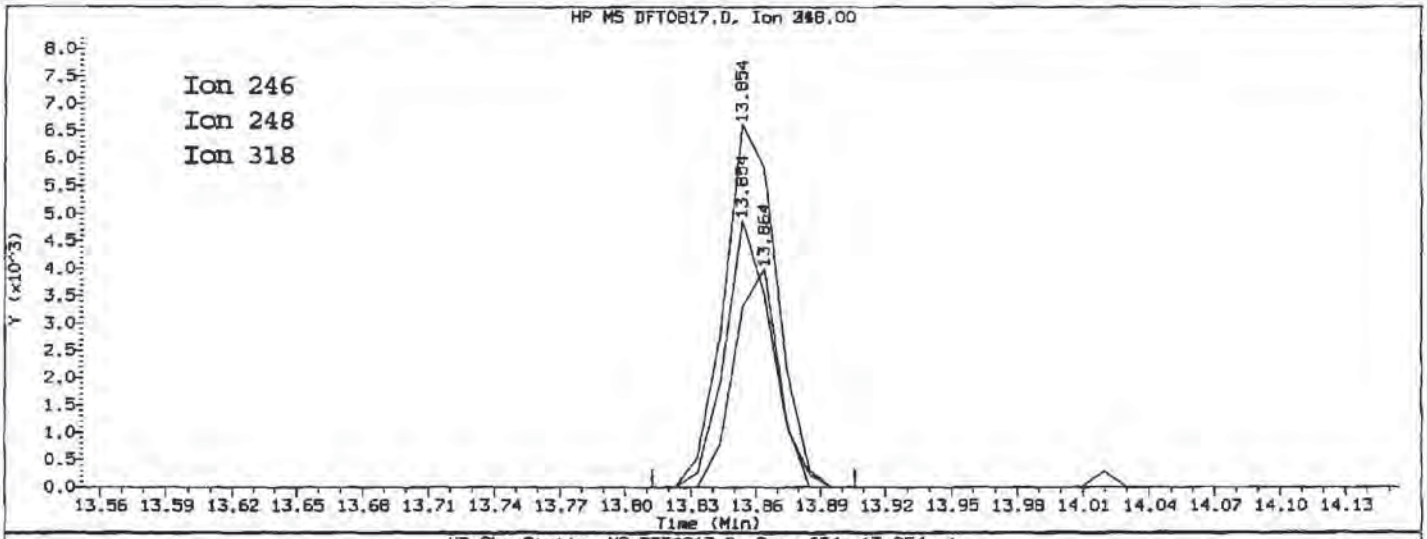


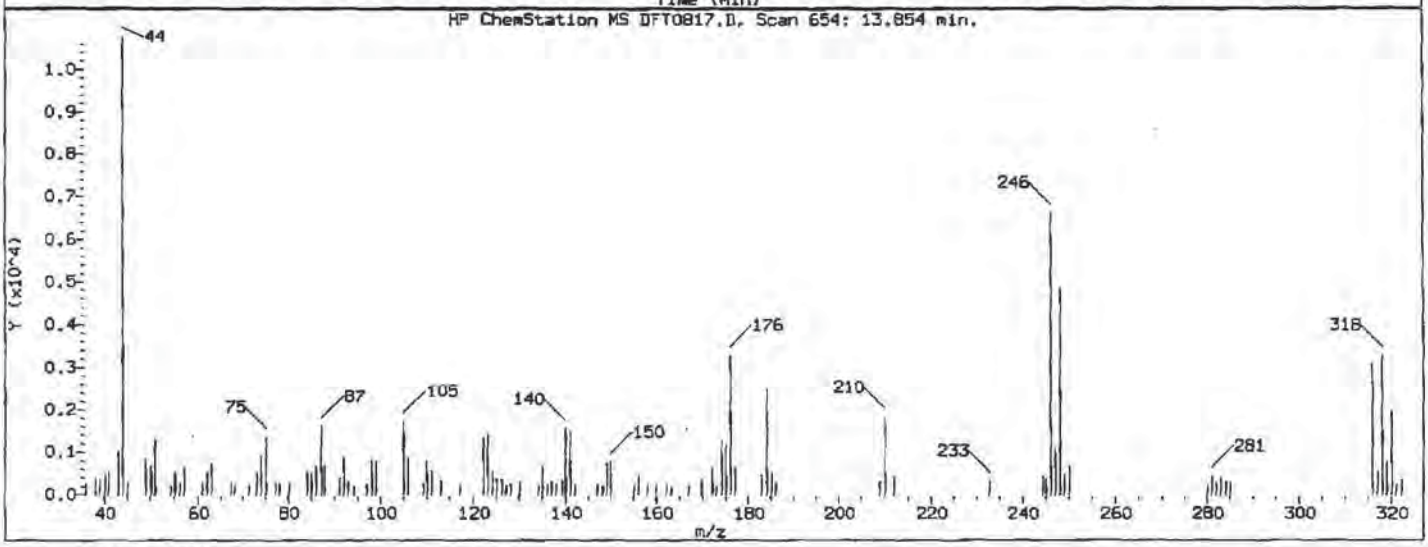
4,4'-DDT
========
Exp. RT = 15.357
Found RT = 15.336

Mass	Area	Ratio
235	2589837	100.00
237	1641475	63.38
165	1612718	62.27

Report Date: 08/17/2010 19:28

Datafile Analyzed: //SV5/C/chem/sv5.i/081710.B/DFT0817.D/DFT0817.D
Method Used: \\SV5\C\chem\sv5.i\081710.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 17-AUG-2010 17:11 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV068



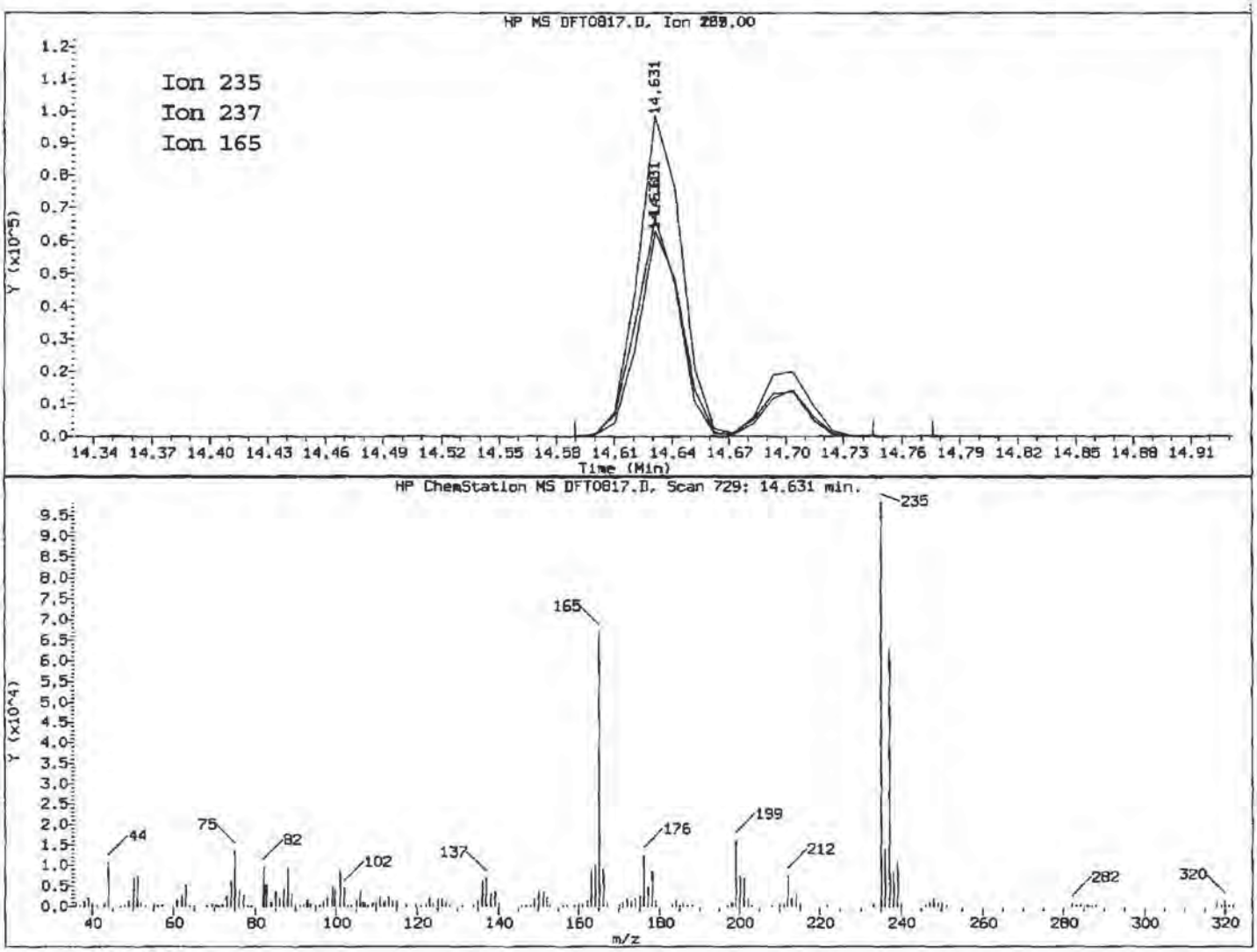


4,4'-DDE
========
Exp. RT = 13.875
Found RT = 13.854

Mass	Area	Ratio
246	11333	100.00
248	7409	65.38
318	5760	50.83

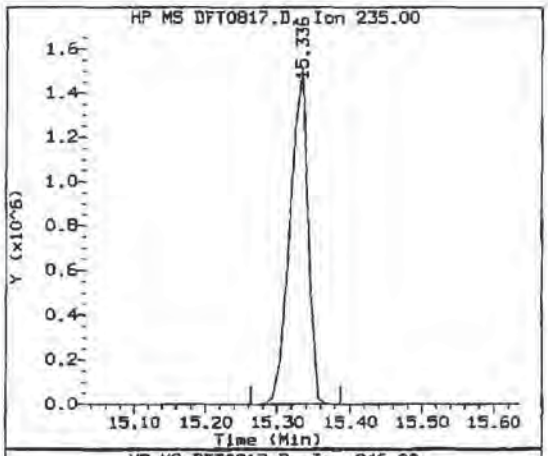
Report Date: 08/17/2010 19:28

Datafile Analyzed: //SV5/C/chem/sv5.i/081710.B/DFT0817.D/DFT0817.D
Method Used: \\SV5\C\chem\sv5.i\081710.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 17-AUG-2010 17:11 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV068

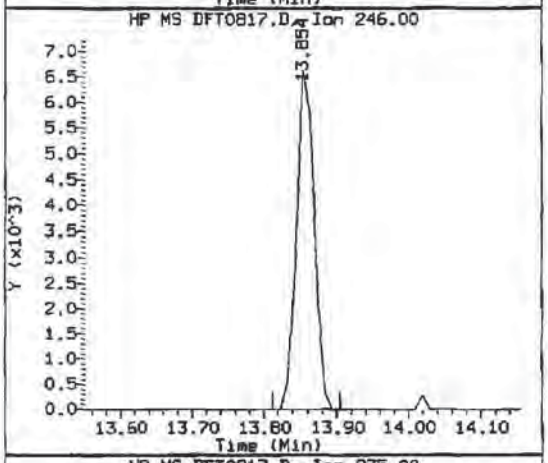


4,4'-DDD
========
Exp. RT = 14.652
Found RT = 14.631

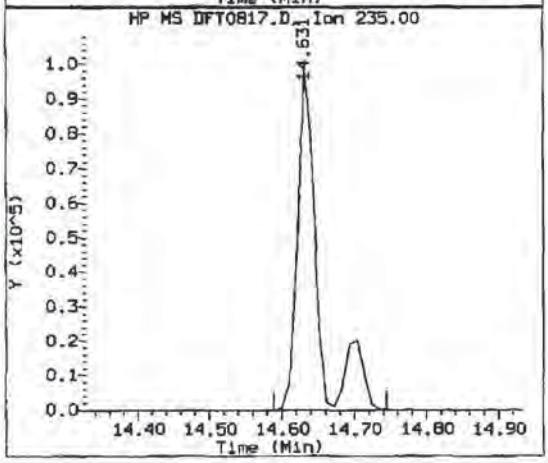
Mass	Area	Ratio
235	191687	100.00
237	122265	63.78
165	128302	66.93



Compound: 4,4'-DDT
Quant Mass: 235
RT: 15.336
Area: 2589837



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.854
Area: 11333



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.631
Area: 191687

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	203020	7.3	20.5	PASS

TestAmerica West Sacramento

Data file : \\sv5\c\chem\sv5.i\081710.B\DFT0817.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 17-AUG-2010 17:11
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV068
Comment :
Method : \\SV5\C\chem\sv5.i\081710.B\DFTPP.m
Meth Date : 17-Aug-2010 14:10 scotts Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SV5

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
11.190	11.201	(0.000)	198	795968			0.00- 100.00	100.00
11.190	11.201	(0.000)	51	524672			30.00- 80.00	65.92
11.190	11.201	(0.000)	68	6261			0.00- 2.00	1.49
11.190	11.201	(0.000)	69	419520			0.00- 0.00	52.71
11.190	11.201	(0.000)	70	1755			0.00- 2.00	0.42
11.190	11.201	(0.000)	127	487360			25.00- 75.00	61.23
11.190	11.201	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
11.190	11.201	(0.000)	199	53840			5.00- 9.00	6.76
11.190	11.201	(0.000)	275	157248			10.00- 30.00	19.76
11.190	11.201	(0.000)	365	20248			0.75- 0.00	2.54
11.190	11.201	(0.000)	441	79120			0.01- 99.99	72.72
11.190	11.201	(0.000)	442	534912			40.00- 110.00	67.20
11.190	11.201	(0.000)	443	108800			15.00- 24.00	20.34

Data File: \\sv5\c\chem\sv5.i\081710.B\DFT0817.D

Date : 17-AUG-2010 17:11

Client ID:

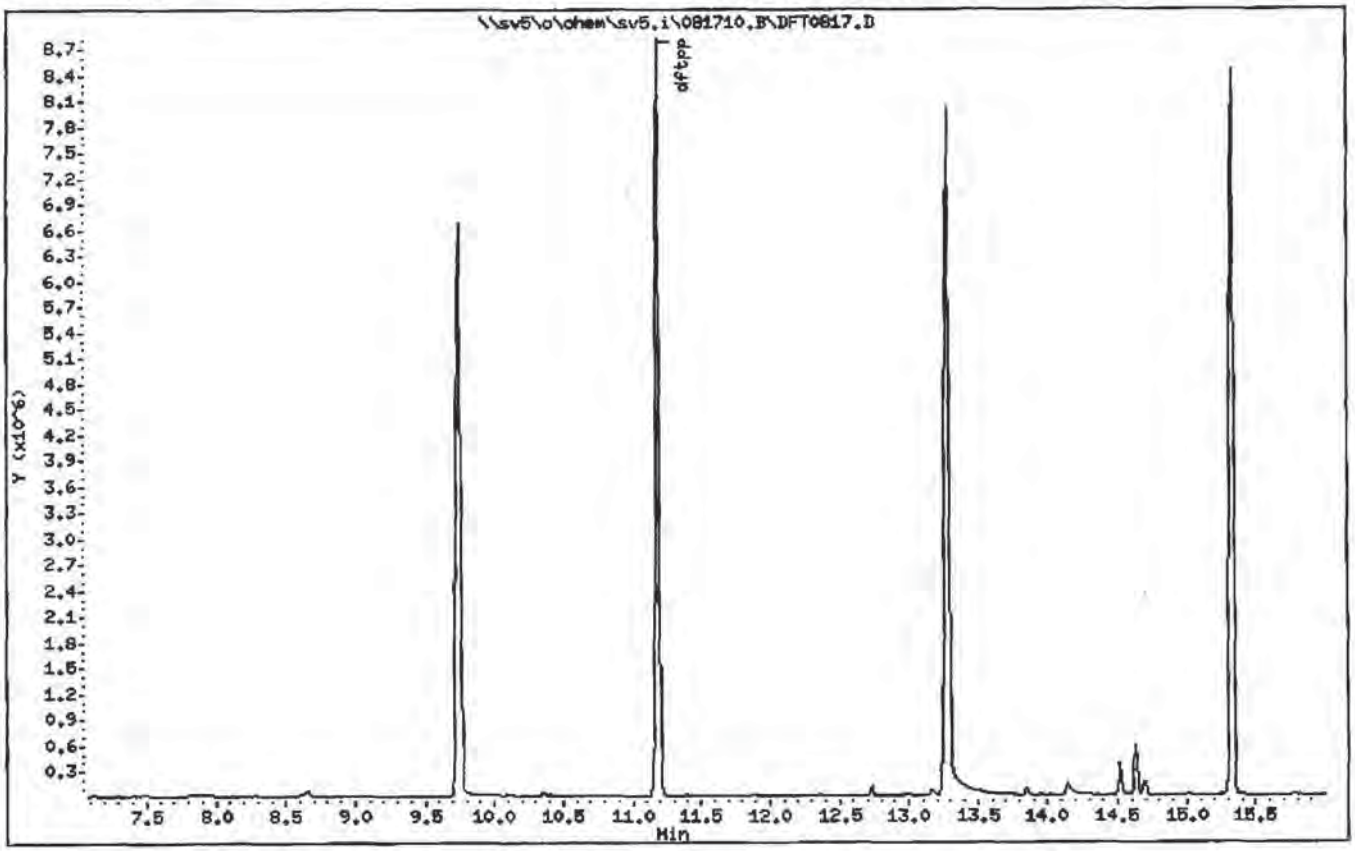
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\sv5\c\chem\sv5.i\081710.B\DFT0817.D

Date : 17-AUG-2010 17:11

Client ID:

Instrument: sv5.i

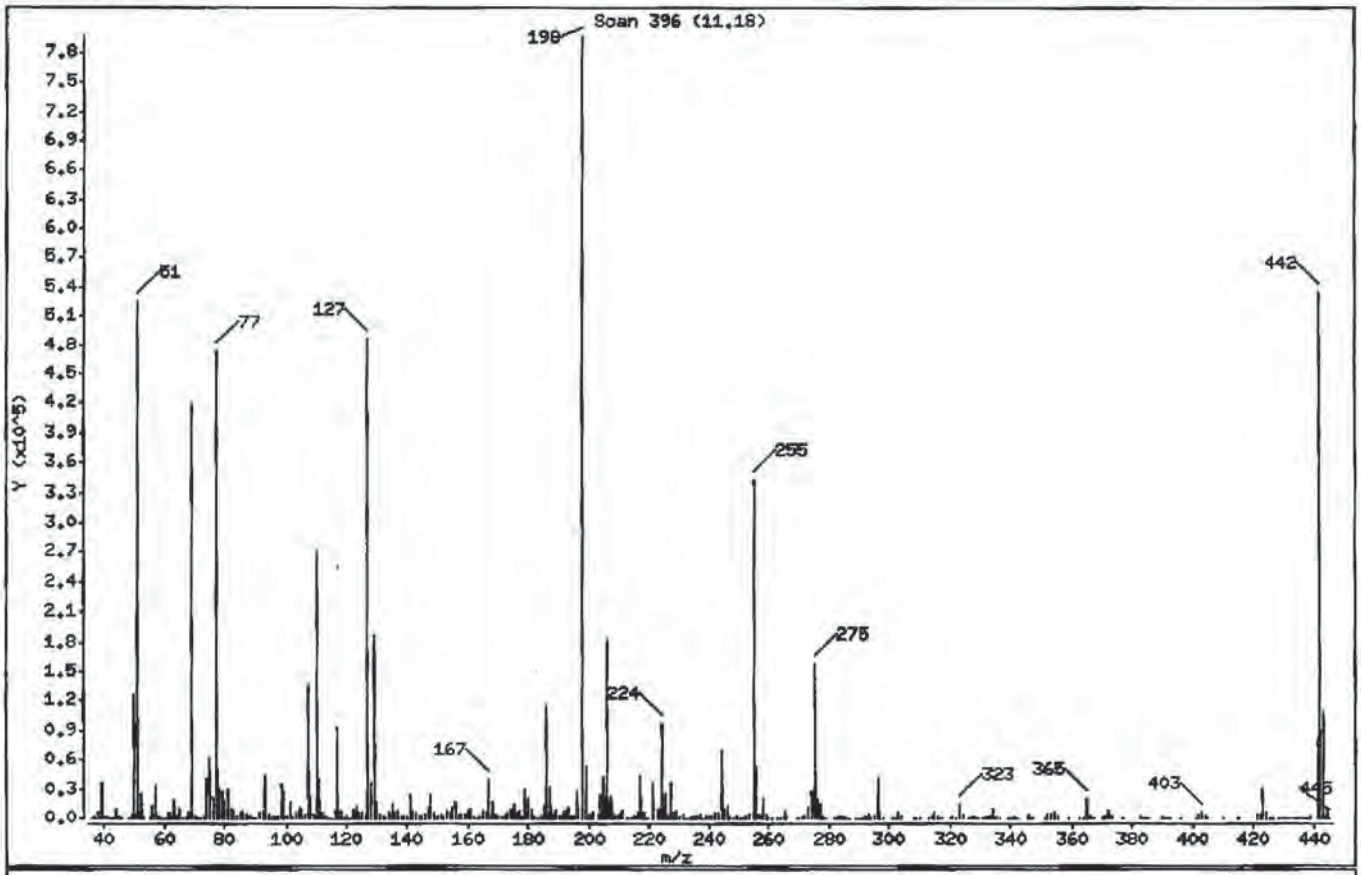
Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	65.92
68	Less than 2.00% of mass 69	0.79 (1.49)
69	Mass 69 relative abundance	52.71
70	Less than 2.00% of mass 69	0.22 (0.42)
127	25.00 - 75.00% of mass 198	61.23
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.76
275	10.00 - 30.00% of mass 198	19.76
365	Greater than 0.75% of mass 198	2.54
441	Present, but less than mass 443	9.94
442	40.00 - 110.00% of mass 198	67.20
443	15.00 - 24.00% of mass 442	13.67 (20.34)

Date : 17-AUG-2010 17:11

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT0817.D
Spectrum: Scan 396 (11.18)
Location of Maximum: 198.00
Number of points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	555	124.00	6321	213.00	529	314.10	2378
37.00	1183	125.00	5909	214.10	431	315.00	5419
38.10	4993	126.20	3401	215.10	1771	316.10	2669
39.10	35928	127.00	487360	216.10	4611	317.00	313
40.00	1431	128.00	35984	217.00	44600	320.00	261
41.10	1356	129.00	186496	218.00	5855	321.00	1422
41.90	216	130.00	16315	218.90	367	322.20	781
43.00	416	131.00	3087	219.40	430	323.10	15423
44.00	9499	132.10	1728	221.00	37416	324.10	3276
45.10	1134	133.00	891	223.00	9421	325.90	443
46.00	318	134.00	4973	224.10	96632	327.00	2681
48.10	309	135.00	13949	225.10	24992	328.00	1205
49.10	3183	136.00	5306	226.00	2818	329.00	287
50.10	128952	137.10	6919	227.00	37320	330.80	231
51.10	524672	138.10	1683	228.00	5528	332.00	1145
52.10	26104	139.00	916	229.00	8071	333.10	1218
53.10	950	140.00	2304	230.00	1110	334.10	8989
55.10	2316	141.00	22952	231.00	3759	335.10	2449
56.00	13177	142.00	8219	232.10	508	336.00	281
57.00	32480	143.00	4726	233.10	660	339.00	308
58.00	1139	144.00	1166	234.00	2067	340.10	318
59.00	564	145.00	1380	235.00	2462	341.10	1864
60.20	262	146.00	4383	236.00	2018	342.00	502
61.00	5676	147.00	11476	237.10	3246	346.00	3429
62.10	6356	148.00	23752	238.00	276	347.00	716
63.10	17816	149.00	4970	239.00	1374	351.10	568
64.00	2345	150.00	1537	240.10	1168	352.00	4275
65.10	8431	151.10	2886	241.00	2367	353.10	2921
66.10	464	152.10	1857	242.10	4917	354.00	5500
67.20	740	153.00	6485	243.10	4684	355.10	1126
68.00	6261	154.10	5503	244.10	69952	359.10	295
69.00	419520	155.00	11492	245.10	9771	362.40	276
70.00	1755	156.10	16848	246.00	13489	363.70	334
71.10	291	157.10	4355	247.00	2506	365.00	20248
72.10	223	158.00	3090	248.00	639	366.00	2362

Data File: \\sv6\o\chem\sv6.i\081710.B\DFT0817.D

Date : 17-AUG-2010 17:11

Client ID:

Instrument: sv6.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT0817.D
Spectrum: Scan 396 (11.18)
Location of Maximum: 198.00
Number of points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	2307	159.00	3144	249.10	2524	367.10	249
74.00	39680	160.00	6416	250.10	767	370.10	533
75.00	61864	161.00	8291	251.00	596	371.10	1519
76.10	22440	162.00	2664	252.10	1488	372.10	8197
77.10	473024	163.00	681	253.20	2760	373.10	2315
78.10	31552	164.00	1442	255.00	341504	377.10	285
79.00	27304	165.00	6912	256.00	53744	383.00	2210
80.00	18200	166.10	6269	257.10	4432	394.00	891
81.00	28864	167.00	40488	258.00	19512	395.10	250
82.00	8636	168.00	15649	259.00	3196	390.00	1164
83.00	7037	169.10	3030	259.90	534	391.00	703
84.00	1040	170.10	2052	261.00	648	392.10	448
85.00	5562	171.00	1962	263.10	419	395.90	236
86.00	7853	172.00	3136	264.00	734	401.00	549
87.00	4172	173.00	4587	265.00	7479	402.00	3555
88.10	1397	174.00	9175	266.00	1127	403.00	4648
89.00	524	175.10	15338	269.70	353	404.00	1443
90.10	206	176.10	5398	270.10	474	405.00	226
91.00	6294	177.00	7420	271.10	1007	410.00	211
92.10	8093	178.00	2575	272.00	1290	415.10	387
93.00	44264	179.00	29232	273.00	11465	421.00	4093
94.00	2939	180.00	20208	274.00	27648	422.10	3749
95.00	1081	181.00	8862	275.10	157248	423.00	30992
96.00	2438	182.00	1540	276.00	20256	424.10	6301
97.20	1124	183.10	682	277.00	14618	425.10	720
98.00	34368	184.10	2599	278.00	2654	425.60	339
99.00	27896	185.10	13502	279.00	617	426.10	236
100.00	2476	186.10	115784	282.00	302	426.50	230
101.00	17056	187.10	30336	283.00	1561	428.00	210
102.10	978	188.10	3491	284.00	1035	428.60	425
103.00	4951	189.00	6437	285.10	2412	429.00	478
104.00	10246	190.00	1202	286.00	394	429.60	227
105.00	9990	191.10	2791	287.00	220	430.10	237
106.00	3241	192.00	7345	289.00	480	430.60	348
107.00	135744	193.10	10846	290.00	379	431.30	275

Data File: \\sv5\c\chem\sv5.i\081710.B\DFT0817.D

Date : 17-AUG-2010 17:11

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT0817.D
Spectrum: Scan 396 (11.18)
Location of Maximum: 198.00
Number of points: 343

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	21064	194.00	2647	291.00	495	431.90	451
109.00	3605	196.10	2416	292.10	918	432.80	588
110.00	270080	196.00	27112	293.10	2976	433.90	402
111.00	39744	198.00	795968	294.00	846	434.40	556
112.00	5481	199.00	53840	295.10	1438	435.00	642
113.10	993	200.00	4287	296.00	42016	436.30	944
113.90	331	201.50	4852	297.00	5739	437.00	835
115.10	763	203.00	4435	298.00	589	437.50	656
116.00	7408	204.10	24264	301.00	752	438.10	794
117.00	93584	205.10	42488	302.10	782	439.00	993
118.00	6908	206.10	182848	303.10	4722	441.00	79120
119.10	784	207.10	22392	304.10	1577	442.00	534912
120.00	1981	208.00	6297	308.20	428	443.10	108800
121.00	724	209.10	1370	309.00	457	444.10	11061
122.00	9054	210.10	3012	310.10	679	445.00	544
123.00	12880	211.00	6946	313.10	459		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\081710.B\AP90817A.D
Lab Smp Id: AP9_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 21:45
Operator : KT Inst ID: sv5.i
Smp Info : AP9_005 ug/ml CS-1;1;;1;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0321;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:44 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 91 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	108574	40.0000	
* 2	Naphthalene-d8	136	5.671	5.670	(1.000)	472963	40.0000	
* 3	Acenaphthene-d10	164	7.785	7.785	(1.000)	243490	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.785	(1.000)	386227	40.0000	
* 5	Chrysene-d12	240	14.231	14.230	(1.000)	340308	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	310475	40.0000	
17	2-Picoline	93	2.593	2.562	(0.610)	23286	5.00000	5.142
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	10710	5.00000	5.221
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	7979	5.00000	4.616
21	n-Nitrosodiethylamine	102	3.266	3.256	(0.768)	9595	5.00000	4.533
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	14922	5.00000	4.961
20	Benzaldehyde	106	3.816	3.815	(0.898)	17209	5.00000	4.861
25	Pentachloroethane	117	3.961	3.961	(0.932)	6965	5.00000	4.928
35	Acetophenone	105	4.707	4.707	(0.830)	26277	5.00000	4.771
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	10999	5.00000	4.776(q)
39	3-Methylphenol	108	4.697	4.696	(1.105)	19783	5.00000	4.708
40	o-Toluidine	106	4.759	4.759	(1.119)	33169	5.00000	4.777
41	n-Nitrosomorpholine	56	4.728	4.717	(1.112)	15532	5.00000	4.887
43	N-Nitrosopiperidine	42	5.070	5.069	(0.894)	14593	5.00000	4.705
48	o,o,o-TSPT	198	5.443	5.442	(0.960)	7810	5.00000	4.716
53	a-,a-Dimethylphenethylamine	58	5.526	5.546	(0.974)	59389	5.00000	4.423
56	Hexachloropropene	213	5.847	5.847	(1.031)	7409	5.00000	4.573
58	p-Phenylenediamine	108	6.199	6.189	(1.093)	23514	5.00000	4.254
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	12678	5.00000	4.555
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	14608	5.00000	4.902
61	Safrole	162	6.427	6.427	(1.133)	12318	5.00000	4.169
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	38472	5.00000	4.704(M)
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.759	(0.868)	12828	5.00000	5.011
68	Isosafrole#1	162	6.780	6.779	(0.871)	2959	5.00000	5.648
72	Isosafrole#2	162	7.039	7.038	(0.904)	13906	5.00000	4.782
64	1-Chloronaphthalene	162	7.132	7.132	(0.916)	31366	5.00000	4.735
62	Biphenyl	154	7.080	7.080	(0.909)	47973	5.00000	4.949
74	1,4-Naphthoquinone	158	7.308	7.308	(0.939)	11719	5.00000	4.341

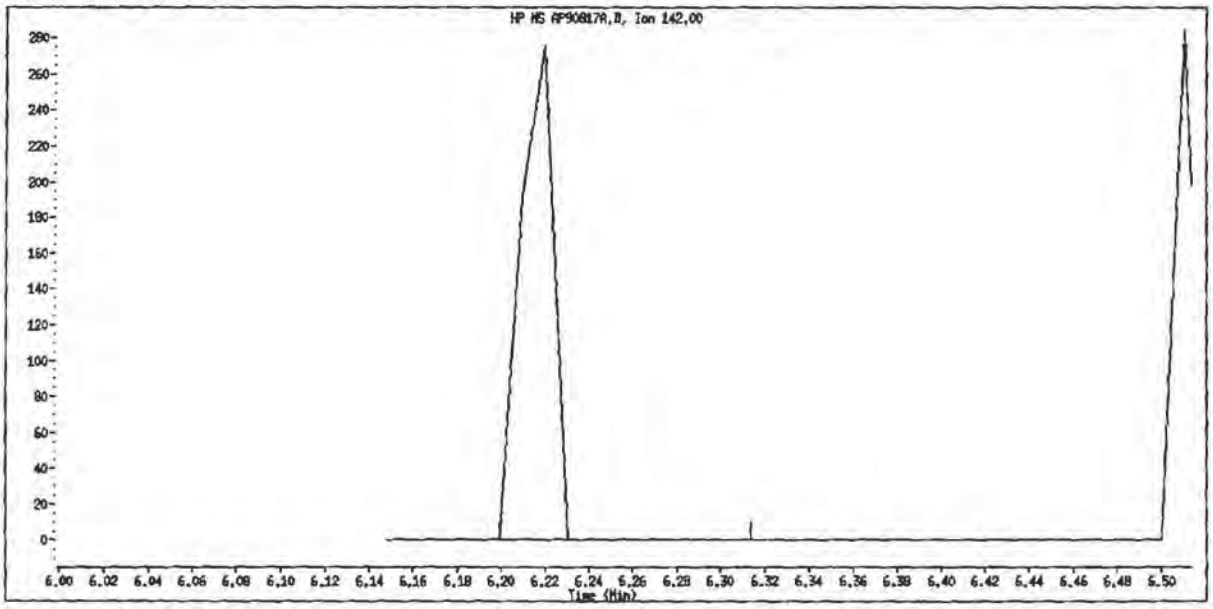
~~8/17/10~~
8/18/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	3390	5.00000	6.168
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	3449	5.00000	6.150
160	1,2-Dinitrobenzene	168	7.681	7.681	(0.987)	3309	5.00000	5.126(q)
85	Pentachlorobenzene	250	8.065	8.064	(1.036)	11990	5.00000	5.040
87	1-Naphtylamine	143	8.137	8.137	(1.045)	37969	5.00000	4.547
88	2,3,4,6-Tetrachlorophenol	232	8.241	8.241	(1.059)	5912	5.00000	3.976(q)
89	2-Naphthylamine	143	8.230	8.230	(1.057)	39639	5.00000	4.536
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	5737	5.00000	4.119
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	7907	5.00000	7.868(q)
96	Thionazin	97	8.541	8.541	(1.097)	7349	5.00000	4.314
99	Diphenylamine	169	8.655	8.655	(0.885)	29173	5.00000	4.483
102	Sulfotepp	97	9.039	9.038	(0.924)	5106	5.00000	4.158
103	Diallate 1	86	9.122	9.121	(0.932)	14909	5.00000	4.476
104	1,3,5-Trinitrobenzene	120	9.080	9.080	(0.928)	1002	5.00000	6.946(Q)
105	Phorate	121	9.132	9.132	(2.148)	7512	5.00000	4.024(q)
106	Diallate 2	86	9.246	9.235	(0.945)	3138	5.00000	4.829
107	Phenacetin	108	9.132	9.142	(0.933)	14450	5.00000	6.827
109	Dimethoate	87	9.370	9.380	(0.958)	11382	5.00000	4.196
111	4-Aminobiphenyl	169	9.536	9.536	(0.975)	35947	5.00000	4.379
112	Pentachloronitrobenzene	295	9.733	9.733	(0.995)	1404	5.00000	4.118(Q)
113	Pronamide	173	9.702	9.702	(0.992)	12123	5.00000	4.051
116	Disulfoton	88	9.899	9.899	(1.012)	17389	5.00000	4.107
117	2-sec-Butyl-4,6-dinitrophenol	211	9.920	9.919	(1.014)	2968	5.00000	6.831
119	Methyl Parathion	109	10.469	10.479	(2.463)	6189	5.00000	6.221(q)
122	4-Nitroquinoline-1-oxide	190	11.070	11.080	(1.131)	1505	5.00000	7.169(Q)
123	Parathion	109	11.132	11.132	(1.138)	3986	5.00000	6.764
124	Methapyrilene	58	11.298	11.308	(1.155)	22814	5.00000	3.967
125	Isodrin	193	11.515	11.515	(0.809)	4855	5.00000	4.496
129	Aramite#1	185	12.500	12.500	(0.878)	1402	5.00000	3.484(QM)
130	Aramite#2	185	12.635	12.635	(0.888)	1959	5.00000	3.163(Q)
131	p-Dimthylaminoazobenzene	120	12.718	12.717	(0.894)	13120	5.00000	6.425
132	p-Chlorobenzilate	251	12.842	12.831	(1.312)	8605	5.00000	7.553(q)
137	2-Acetylaminofluorene	181	13.743	13.754	(0.966)	9115	5.00000	6.595
143	Benzo(j)fluoranthene	252	16.065	16.065	(0.966)	32085	5.00000	4.342
146	7,12-Dimethylbenz(a)anthracene	256	16.086	16.085	(0.967)	17638	5.00000	4.350
149	3-Methylcholanthrene	268	17.153	17.153	(1.031)	17338	5.00000	4.073(q)
150	Dibenz(a,j)acridine	279	18.106	18.106	(1.088)	23053	5.00000	8.111
M 154	Diallate (Total)	86				18047	5.00000	4.534
M 155	Isosafrole (Total)	162				16865	5.00000	4.914
M 156	Aramite (Total)	185				3361	5.00000	2.891
M 157	3 and 4-methylphenol	108				19783	5.00000	4.708
133	Kepone	272	13.277	13.277	(0.933)	4096	5.00000	4.810
135	Famphur	218	13.308	13.308	(0.935)	11003	5.00000	4.690(q)

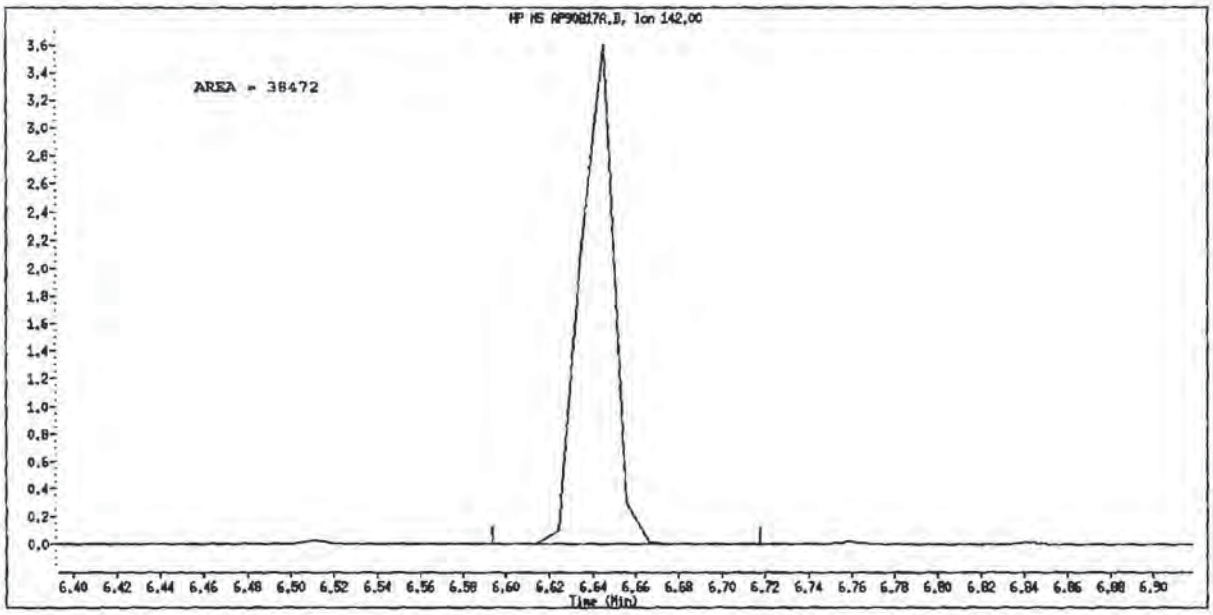
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: AP90817A.D
Inj. Date and Time: 17-AUG-2010 21:45
Instrument ID: svS.i
Client ID: 8270F.M
Compound Name: 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 08/18/2010



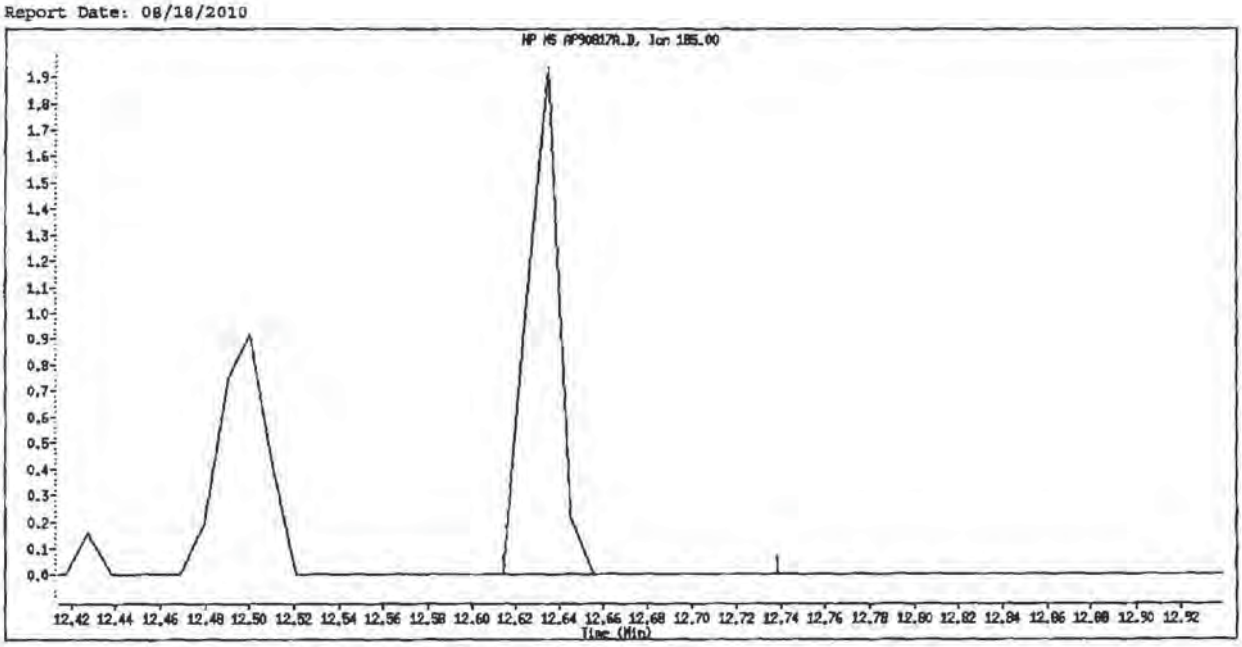
Original Integration



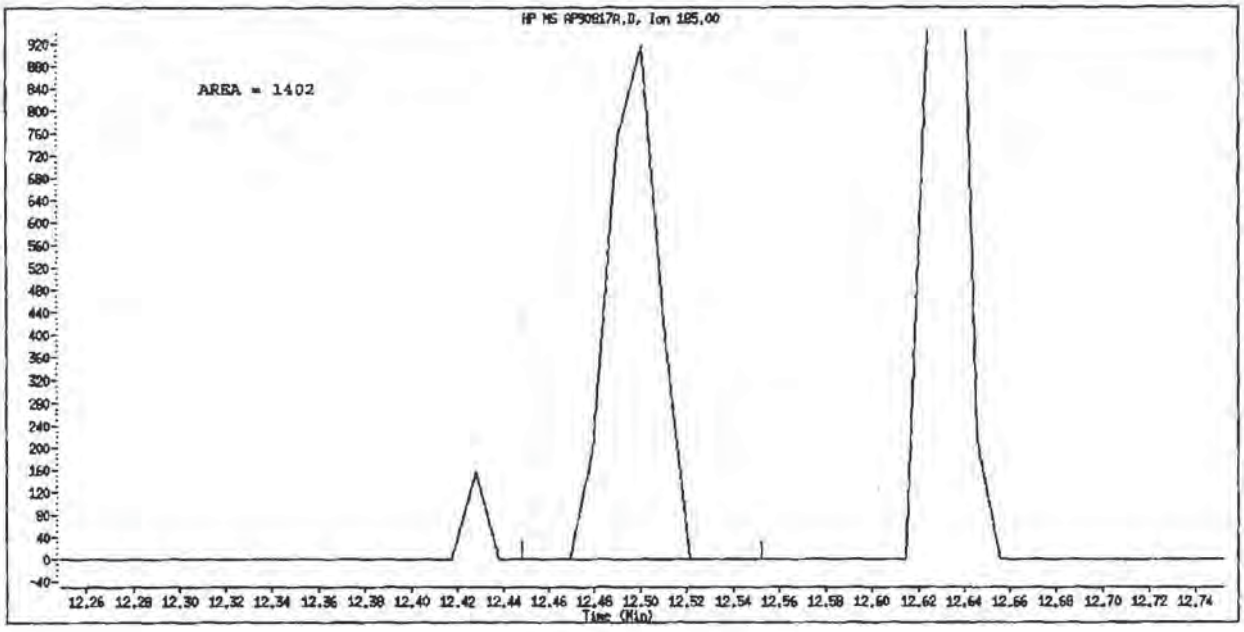
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Peak Not Found

Data File Name: AP90817A.D
Inj. Date and Time: 17-AUG-2010 21:45
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Aramite#1
CAS #: 140-57-8A
Report Date: 08/18/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\081710.B\AP90817A.D
Lab Smp Id: AP9_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 21:45
Operator : KT Inst ID: sv5.i
Smp Info : AP9_005 ug/ml CS-1;1;;1;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0321;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Meth Date : 18-Aug-2010 14:22 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 91 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	108574	40.0000	
* 2 Naphthalene-d8	136	5.671	5.671	(1.000)	472963	40.0000	
* 3 Acenaphthene-d10	164	7.785	7.795	(1.000)	243490	40.0000	
* 4 Phenanthrene-d10	188	9.785	9.795	(1.000)	386227	40.0000	
* 5 Chrysene-d12	240	14.231	14.241	(1.000)	340308	40.0000	
* 6 Perylene-d12	264	16.635	16.635	(1.000)	310475	40.0000	
17 2-Picoline	93	2.593	2.562	(0.610)	23286	5.00000	5.369
18 n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	10710	5.00000	5.328
19 Methyl methanesulfonate	80	2.914	2.914	(0.686)	7979	5.00000	4.679
21 n-Nitrosodiethylamine	102	3.266	3.256	(0.768)	9595	5.00000	4.423
22 Ethyl methanesulfonate	79	3.536	3.536	(0.832)	14922	5.00000	4.988
20 Benzaldehyde	106	3.816	3.816	(0.898)	17209	5.00000	4.864
25 Pentachloroethane	117	3.961	3.961	(0.932)	6965	5.00000	5.030
35 Acetophenone	105	4.707	4.707	(0.830)	26277	5.00000	4.758
38 n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	10999	5.00000	4.727
39 3-Methylphenol	108	4.697	4.707	(1.105)	19783	5.00000	4.690
40 o-Toluidine	106	4.759	4.759	(1.119)	33169	5.00000	4.736
41 n-Nitrosomorpholine	56	4.728	4.728	(1.112)	15532	5.00000	4.922
43 N-Nitrosopiperidine	42	5.070	5.069	(0.894)	14593	5.00000	4.539
48 o,o,o-TEPT	198	5.443	5.443	(0.960)	7810	5.00000	4.586
53 a-,a-Dimethylphenethylamine	58	5.526	5.536	(0.974)	59389	5.00000	4.242
56 Hexachloropropene	213	5.847	5.847	(1.031)	7409	5.00000	4.547
58 p-Phenylenediamine	108	6.199	6.199	(1.093)	23514	5.00000	3.989
59 N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	12678	5.00000	4.278
55 2,6-Dichlorophenol	162	5.795	5.795	(1.022)	14608	5.00000	4.836
61 Safrole	162	6.427	6.427	(1.133)	12318	5.00000	3.896
65 1-Methylnaphthalene	142	6.220	6.645	(1.097)	290	5.00000	0.03498 (Q)
67 1,2,4,5-Tetrachlorobenzene	216	6.759	6.769	(0.868)	12828	5.00000	5.038
68 Isosafrole#1	162	6.760	6.779	(0.871)	2959	5.00000	5.667
72 Isosafrole#2	162	7.039	7.049	(0.904)	13906	5.00000	4.733
64 1-Chloronaphthalene	162	7.132	7.132	(0.916)	31366	5.00000	4.751
62 Biphenyl	154	7.080	7.090	(0.909)	47973	5.00000	4.956
74 1,4-Naphthoquinone	158	7.308	7.318	(0.939)	11719	5.00000	4.049

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	3390	5.00000	3.667
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	3449	5.00000	2.868 (q)
160	1,2-Dinitrobenzene	168	7.681	7.691	(0.987)	3309	5.00000	3.554 (Q)
85	Pentachlorobenzene	250	8.065	8.064	(1.036)	11990	5.00000	5.114
87	1-Naphtylamine	143	8.137	8.137	(1.045)	37969	5.00000	4.339
88	2,3,4,6-Tetrachlorophenol	232	8.241	8.251	(1.059)	5912	5.00000	3.765
89	2-Naphthylamine	143	8.230	8.230	(1.057)	39639	5.00000	4.370
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	5737	5.00000	3.872
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	7907	5.00000	3.282 (q)
96	Thionazin	97	8.541	8.541	(1.097)	7349	5.00000	4.042
99	Diphenylamine	169	8.655	8.655	(0.885)	29173	5.00000	4.326
102	Sulfotepp	97	9.039	9.049	(0.924)	5106	5.00000	3.908
103	Diallate 1	86	9.122	9.132	(0.932)	14909	5.00000	4.245
104	1,3,5-Trinitrobenzene	120	9.080	9.090	(0.928)	1002	5.00000	3.339 (Q)
105	Phorate	121	9.132	9.142	(2.148)	7512	5.00000	3.639 (q)
106	Diallate 2	86	9.246	9.246	(0.945)	3138	5.00000	4.638
107	Phenacetin	108	9.132	9.142	(0.933)	14450	5.00000	3.602
109	Dimethoate	87	9.370	9.381	(0.958)	11382	5.00000	3.780
111	4-Aminobiphenyl	169	9.536	9.546	(0.975)	35947	5.00000	4.093
112	Pentachloronitrobenzene	295	9.733	9.743	(0.995)	1404	5.00000	3.770 (Q)
113	Pronamide	173	9.702	9.712	(0.992)	12123	5.00000	3.730
116	Disulfoton	88	9.899	9.909	(1.012)	17389	5.00000	3.840
117	2-sec-Butyl-4,6-dinitrophenol	211	9.920	9.919	(1.014)	2968	5.00000	2.456
119	Methyl Parathion	109	10.469	10.479	(2.463)	6189	5.00000	2.156 (q)
122	4-Nitroquinoline-1-oxide	190	11.070	11.080	(1.131)	1505	5.00000	2.088 (Q)
123	Parathion	109	11.132	11.132	(1.138)	3986	5.00000	2.419 (q)
124	Methapyrilene	58	11.298	11.308	(1.155)	22814	5.00000	3.396
125	Isodrin	193	11.515	11.515	(0.809)	4855	5.00000	4.438
129	Aramite#1	185	12.635	12.500	(0.888)	1959	5.00000	4.240 (Q)
130	Aramite#2	185	12.635	12.635	(0.888)	1959	5.00000	2.797 (Q)
131	p-Dimthylaminoazobenzene	120	12.718	12.717	(0.894)	13120	5.00000	3.319
132	p-Chlorobenzilate	251	12.842	12.842	(1.312)	8605	5.00000	3.290 (q)
137	2-Acetylaminofluorene	181	13.743	13.764	(0.966)	9115	5.00000	2.557
143	Benzo(j)fluoranthene	252	16.065	16.075	(0.966)	32085	5.00000	4.162
146	7,12-Dimethylbenz(a)anthracene	256	16.086	16.096	(0.967)	17638	5.00000	4.224
149	3-Methylcholanthrene	268	17.153	17.163	(1.031)	17338	5.00000	3.925 (q)
150	Dibenz(a,j)acridine	279	18.106	18.117	(1.088)	23053	5.00000	3.894
M 154	Diallate (Total)	86				18047	5.00000	4.309
M 155	Isosafrole (Total)	162				16865	5.00000	4.874
M 156	Aramite (Total)	185				3918	5.00000	3.371
M 157	3 and 4-methylphenol	108				19783	5.00000	4.690
133	Kepone	272	13.277	13.287	(0.933)	4096	5.00000	4.755
135	Famphur	218	13.308	13.318	(0.935)	11003	5.00000	4.379

QC Flag Legend

Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP90817A.D
Lab Smp Id: AP9_005 ug/ml CS-1
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0321;0;8270F.M

Calibration Date: 18-AUG-2010
Calibration Time: 00:21
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	108574	-16.60
2 Naphthalene-d8	576581	288291	1153162	472963	-17.97
3 Acenaphthene-d10	314990	157495	629980	243490	-22.70
4 Phenanthrene-d10	511426	255713	1022852	386227	-24.48
5 Chrysene-d12	480980	240490	961960	340308	-29.25
6 Perylene-d12	450650	225325	901300	310475	-31.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.25	3.75	4.75	4.25	0.00
2 Naphthalene-d8	5.67	5.17	6.17	5.67	0.00
3 Acenaphthene-d10	7.79	7.29	8.29	7.79	0.00
4 Phenanthrene-d10	9.79	9.29	10.29	9.79	0.00
5 Chrysene-d12	14.23	13.73	14.73	14.23	0.00
6 Perylene-d12	16.64	16.14	17.14	16.64	0.00

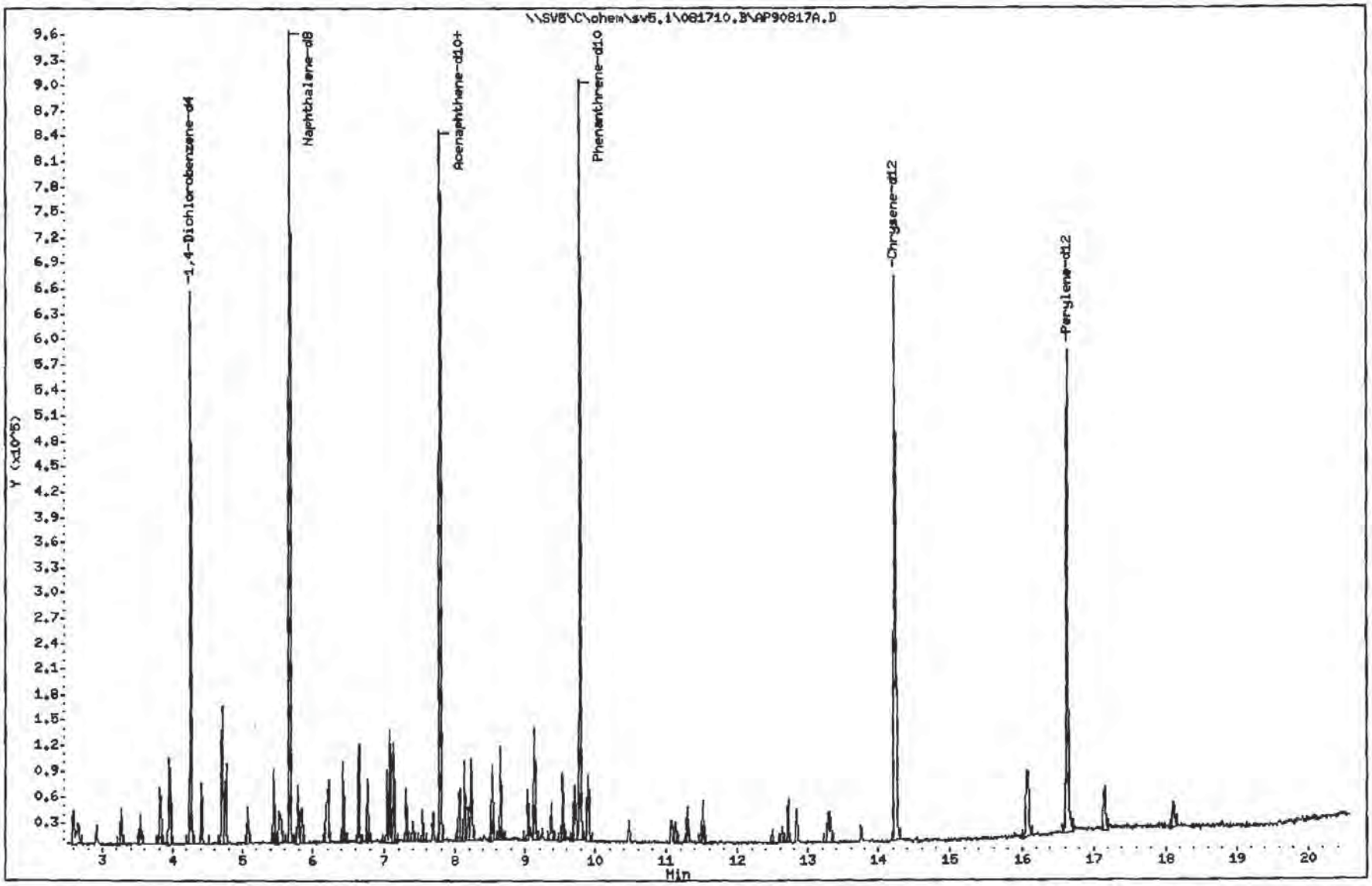
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\081710.B\AP90817A.D
Date : 17-AUG-2010 21:45
Client ID: 8270F.M
Sample Info: AP9_005 ug/ml CS-1;1;;1;;;;;4

Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



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Method 8270C

Data file : \\sv5\c\chem\sv5.i\081710.B\AP90817B.D
Lab Smp Id: AP9_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 22:11
Operator : KT Inst ID: sv5.i
Smp Info : AP9_010 ug/ml CS-2;1;;2;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0322;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:44 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 92 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	99291	40.0000	
* 2	Naphthalene-d8	136	5.671	5.670	(1.000)	434451	40.0000	
* 3	Acenaphthene-d10	164	7.785	7.785	(1.000)	219584	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.785	(1.000)	355113	40.0000	
* 5	Chrysene-d12	240	14.231	14.230	(1.000)	312798	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	298304	40.0000	
17	2-Picoline	93	2.583	2.562	(0.608)	38440	10.0000	9.282
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	16847	10.0000	8.981(Q)
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	15991	10.0000	10.12
21	n-Nitrosodiethylamine	102	3.266	3.256	(0.768)	17540	10.0000	9.060
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	25471	10.0000	9.260
20	Benzaldehyde	106	3.816	3.815	(0.898)	30955	10.0000	9.562
25	Pentachloroethane	117	3.961	3.961	(0.932)	12329	10.0000	9.539
35	Acetophenone	105	4.707	4.707	(0.830)	48960	10.0000	9.677(q)
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	19395	10.0000	9.210(q)
39	3-Methylphenol	108	4.697	4.696	(1.105)	34011	10.0000	8.850
40	o-Toluidine	106	4.759	4.759	(1.119)	60725	10.0000	9.563
41	n-Nitrosomorpholine	56	4.728	4.717	(1.112)	28005	10.0000	9.636
43	N-Nitrosopiperidine	42	5.070	5.069	(0.894)	26027	10.0000	9.135
46	o,o,o-TEPT	198	5.443	5.442	(0.960)	14394	10.0000	9.462
53	a-,a-Dimethylphenethylamine	58	5.546	5.546	(0.978)	110159	10.0000	8.932(M)
56	Hexachloropropene	213	5.847	5.847	(1.031)	12625	10.0000	8.483
58	p-Phenylenediamine	108	6.189	6.189	(1.091)	44712	10.0000	8.806
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	22512	10.0000	8.805
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	24444	10.0000	8.930
61	Safrole	162	6.427	6.427	(1.133)	24682	10.0000	9.095
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	71900	10.0000	9.572
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.759	(0.868)	23320	10.0000	10.10
68	Isosafrole#1	162	6.780	6.779	(0.871)	4290	10.0000	9.081
72	Isosafrole#2	162	7.039	7.038	(0.904)	25586	10.0000	9.756
64	1-Chloronaphthalene	162	7.132	7.132	(0.916)	62068	10.0000	10.39
62	Biphenyl	154	7.080	7.080	(0.909)	85420	10.0000	9.772
74	1,4-Naphthoquinone	158	7.308	7.308	(0.939)	22060	10.0000	9.062

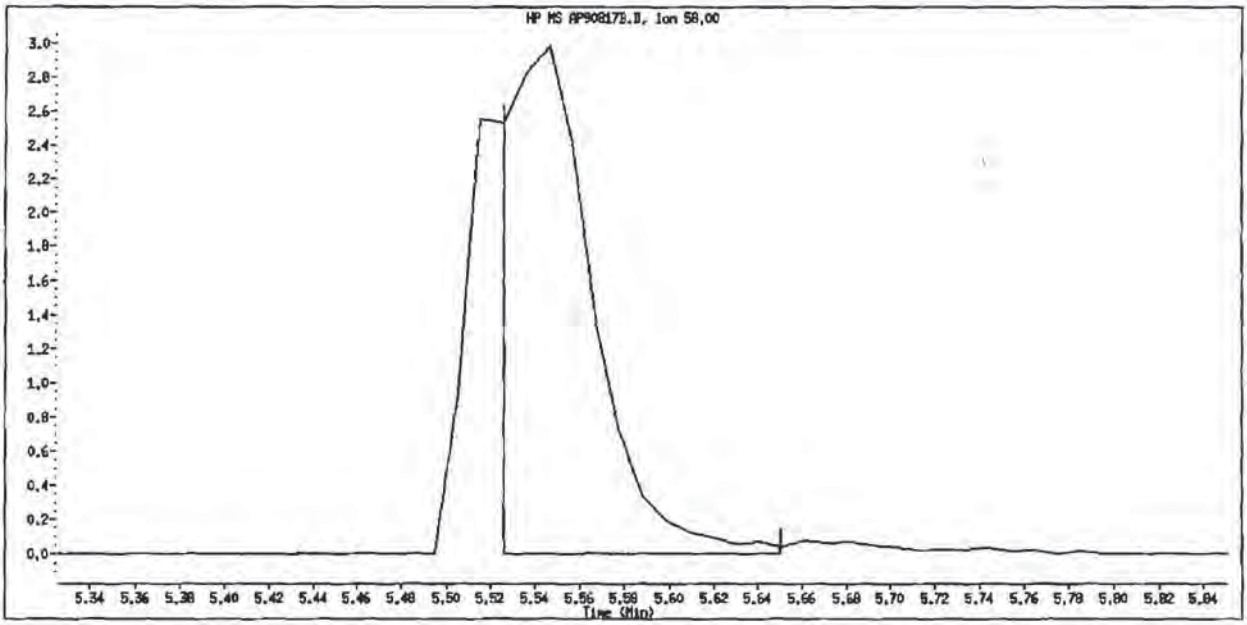
VT
~~8/17/10~~
4/18/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	5677	10.0000	9.494
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	6192	10.0000	8.972(q)
160	1,2-Dinitrobenzene	168	7.681	7.681	(0.987)	5705	10.0000	8.780(q)
85	Pentachlorobenzene	250	8.065	8.064	(1.036)	21786	10.0000	10.15
87	1-Naphtylamine	143	8.137	8.137	(1.045)	70140	10.0000	9.315
88	2,3,4,6-Tetrachlorophenol	232	8.241	8.241	(1.059)	12390	10.0000	9.241
89	2-Naphthylamine	143	8.230	8.230	(1.057)	72719	10.0000	9.228
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	10950	10.0000	8.718
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	15826	10.0000	11.38
96	Thionazin	97	8.531	8.541	(1.096)	13144	10.0000	8.555
99	Diphenylamine	169	8.655	8.655	(0.885)	56452	10.0000	9.436
102	Sulfotepp	97	9.039	9.038	(0.924)	10177	10.0000	9.013
103	Diallate 1	86	9.122	9.121	(0.932)	28396	10.0000	9.272
104	1,3,5-Trinitrobenzene	120	9.070	9.080	(0.927)	1305	10.0000	8.416(Q)
105	Phorate	121	9.132	9.132	(2.148)	14143	10.0000	8.283(q)
106	Diallate 2	86	9.236	9.235	(0.944)	5678	10.0000	9.504
107	Phenacetin	108	9.132	9.142	(0.933)	28194	10.0000	10.51
109	Dimethoate	87	9.370	9.380	(0.958)	21741	10.0000	8.717
111	4-Aminobiphenyl	169	9.536	9.536	(0.975)	67664	10.0000	8.965
112	Pentachloronitrobenzene	295	9.733	9.733	(0.995)	2602	10.0000	8.300(Q)
113	Pronamide	173	9.702	9.702	(0.992)	22939	10.0000	8.336
116	Disulfoton	88	9.899	9.899	(1.012)	32897	10.0000	8.451
117	2-sec-Butyl-4,6-dinitrophenol	211	9.920	9.919	(1.014)	5980	10.0000	9.856
119	Methyl Parathion	109	10.469	10.479	(2.463)	13273	10.0000	9.040
122	4-Nitroquinoline-1-oxide	190	11.070	11.080	(1.131)	2632	10.0000	9.200(Q)
123	Parathion	109	11.122	11.132	(1.137)	7605	10.0000	9.264
124	Methapyrilene	58	11.298	11.308	(1.155)	46187	10.0000	8.735
125	Isodrin	193	11.505	11.515	(0.808)	9027	10.0000	9.094(q)
129	Aramite#1	185	12.500	12.500	(0.878)	2378	10.0000	6.429(Q)
130	Aramite#2	185	12.635	12.635	(0.888)	3758	10.0000	6.602(Q)
131	p-Dimthylaminoazobenzene	120	12.718	12.717	(0.894)	25911	10.0000	9.948
132	p-Chlorobenzilate	251	12.832	12.831	(1.311)	16439	10.0000	10.72(q)
137	2-Acetylaminofluorene	181	13.743	13.754	(0.966)	18524	10.0000	9.569
143	Benzo(j)fluoranthene	252	16.065	16.065	(0.966)	59238	10.0000	8.344
146	7,12-Dimethylbenz(a)anthracene	256	16.086	16.085	(0.967)	34522	10.0000	8.861
149	3-Methylcholanthrene	268	17.153	17.153	(1.031)	34444	10.0000	8.422
150	Dibenz(a,j)acridine	279	18.106	18.106	(1.088)	45031	10.0000	11.54
M 154	Diallate (Total)	86				34074	10.0000	9.310
M 155	Isosafrole (Total)	162				29876	10.0000	9.653
M 156	Aramite (Total)	185				6136	10.0000	5.743
M 157	3 and 4-methylphenol	108				34011	10.0000	8.850
133	Kepone	272	13.277	13.277	(0.933)	8158	10.0000	10.42
135	Famphur	218	13.308	13.308	(0.935)	20724	10.0000	9.610

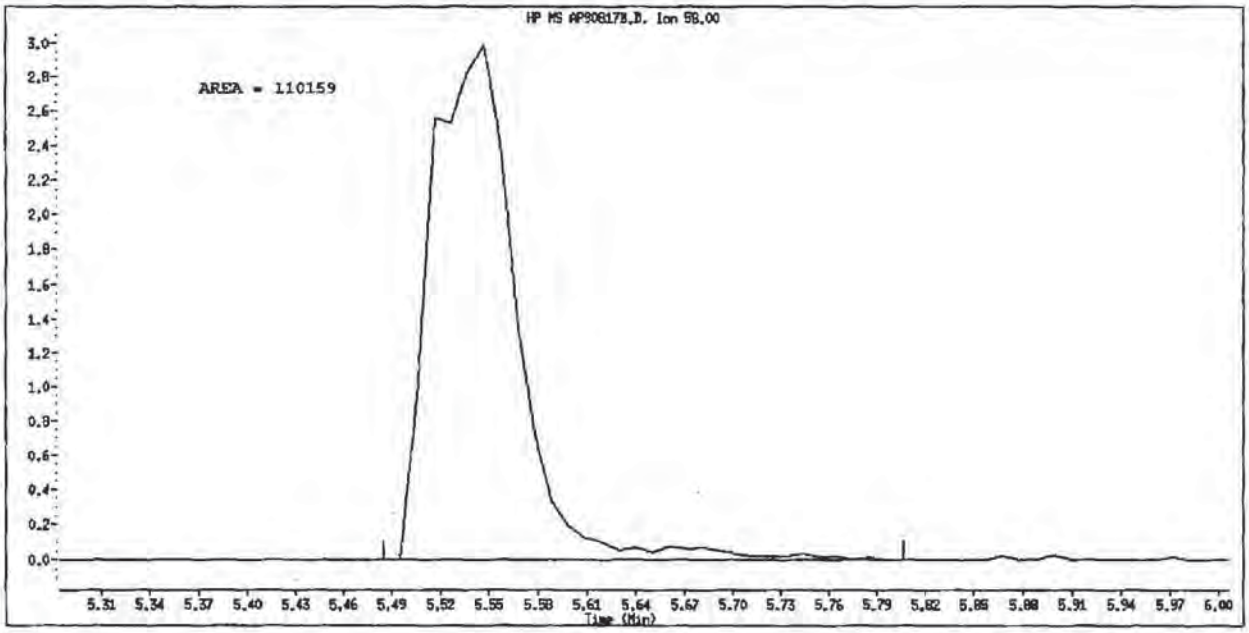
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: AP90817B.D
Inj. Date and Time: 17-AUG-2010 22:11
Instrument ID: sv5.i
Client ID: 8270P.M
Compound Name: a-,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 08/18/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\081710.B\AP90817B.D
Lab Smp Id: AP9_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 22:11
Operator : KT Inst ID: sv5.i
Smp Info : AP9_010 ug/ml CS-2;1;;2;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0322;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Meth Date : 18-Aug-2010 14:22 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 92 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	99291	40.0000	
* 2	Naphthalene-d8	136	5.671	5.671	(1.000)	434451	40.0000	
* 3	Acenaphthene-d10	164	7.785	7.795	(1.000)	219584	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.795	(1.000)	355113	40.0000	
* 5	Chrysene-d12	240	14.231	14.241	(1.000)	312798	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	298304	40.0000	
17	2-Picoline	93	2.583	2.562	(0.608)	38440	10.0000	9.691
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	16847	10.0000	9.164(q)
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	15991	10.0000	10.25
21	n-Nitrosodiethylamine	102	3.266	3.256	(0.768)	17540	10.0000	8.842
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	25471	10.0000	9.311
20	Benzaldehyde	106	3.816	3.816	(0.898)	30955	10.0000	9.566
25	Pentachloroethane	117	3.961	3.961	(0.932)	12329	10.0000	9.736
35	Acetophenone	105	4.707	4.707	(0.830)	48960	10.0000	9.651(q)
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	19395	10.0000	9.115
39	3-Methylphenol	108	4.697	4.707	(1.105)	34011	10.0000	8.817
40	o-Toluidine	106	4.759	4.759	(1.119)	60725	10.0000	9.480
41	n-Nitrosomorpholine	56	4.728	4.728	(1.112)	28005	10.0000	9.705
43	N-Nitrosopiperidine	42	5.070	5.069	(0.894)	26027	10.0000	8.813
48	o,o,o-TEPT	198	5.443	5.443	(0.960)	14394	10.0000	9.202
53	a-,a-Dimethylphenethylamine	58	5.546	5.536	(0.978)	77636	10.0000	6.037
56	Hexachloropropene	213	5.847	5.847	(1.031)	12625	10.0000	8.434
58	p-Phenylenediamine	108	6.189	6.199	(1.091)	44712	10.0000	8.257
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	22512	10.0000	8.270
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	24444	10.0000	8.810
61	Safrole	162	6.427	6.427	(1.133)	24682	10.0000	8.498
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	71900	10.0000	9.441
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.769	(0.868)	23320	10.0000	10.15
68	Isosafrole#1	162	6.780	6.779	(0.871)	4290	10.0000	9.111
72	Isosafrole#2	162	7.039	7.049	(0.904)	25586	10.0000	9.656
64	1-Chloronaphthalene	162	7.132	7.132	(0.916)	62068	10.0000	10.42
62	Biphenyl	154	7.080	7.090	(0.909)	85420	10.0000	9.786
74	1,4-Naphthoquinone	158	7.308	7.318	(0.939)	22060	10.0000	8.452

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
75 1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	5677	10.0000	6.810
78 1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	6192	10.0000	5.710(q)
160 1,2-Dinitrobenzene	168	7.681	7.691	(0.987)	5705	10.0000	6.794(Q)
85 Pentachlorobenzene	250	8.065	8.064	(1.036)	21786	10.0000	10.30
87 1-Naphtylamine	143	8.137	8.137	(1.045)	70140	10.0000	8.888
88 2,3,4,6-Tetrachlorophenol	232	8.241	8.251	(1.059)	12390	10.0000	8.749
89 2-Naphthylamine	143	8.230	8.230	(1.057)	72719	10.0000	8.890
90 2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	10950	10.0000	8.194
95 5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	15825	10.0000	7.284
96 Thionazin	97	8.531	8.541	(1.096)	13144	10.0000	8.017
99 Diphenylamine	169	8.655	8.655	(0.885)	56452	10.0000	9.106
102 Sulfotepp	97	9.039	9.049	(0.924)	10177	10.0000	8.473
103 Diallate 1	86	9.122	9.132	(0.932)	28396	10.0000	8.794
104 1,3,5-Trinitrobenzene	120	9.070	9.090	(0.927)	1305	10.0000	4.729(Q)
105 Phorate	121	9.132	9.142	(2.148)	14143	10.0000	7.491
106 Diallate 2	86	9.236	9.246	(0.944)	5678	10.0000	9.128
107 Phenacetin	108	9.132	9.142	(0.933)	28194	10.0000	7.644
109 Dimethoate	87	9.370	9.381	(0.958)	21741	10.0000	7.852
111 4-Aminobiphenyl	169	9.536	9.546	(0.975)	67664	10.0000	8.379
112 Pentachloronitrobenzene	295	9.733	9.743	(0.995)	2602	10.0000	7.598(Q)
113 Pronamide	173	9.702	9.712	(0.992)	22939	10.0000	7.677
116 Disulfoton	88	9.899	9.909	(1.012)	32897	10.0000	7.900
117 2-sec-Butyl-4,6-dinitrophenol	211	9.920	9.919	(1.014)	5980	10.0000	5.383
119 Methyl Parathion	109	10.469	10.479	(2.463)	13273	10.0000	5.057
122 4-Nitroquinoline-1-oxide	190	11.070	11.080	(1.131)	2632	10.0000	3.971(Q)
123 Parathion	109	11.122	11.132	(1.137)	7605	10.0000	5.020
124 Methapyrilene	58	11.298	11.308	(1.155)	46187	10.0000	7.479
125 Isodrin	193	11.505	11.515	(0.808)	9027	10.0000	8.978(q)
129 Aramite#1	185	12.500	12.500	(0.878)	2378	10.0000	5.599(Q)
130 Aramite#2	185	12.635	12.635	(0.888)	3758	10.0000	5.838(Q)
131 p-Dimthylaminoazobenzene	120	12.718	12.717	(0.894)	25911	10.0000	7.130
132 p-Chlorobenzilate	251	12.832	12.842	(1.311)	16439	10.0000	6.835(q)
137 2-Acetylaminofluorene	181	13.743	13.764	(0.966)	18524	10.0000	5.653
143 Benzo(j)fluoranthene	252	16.065	16.075	(0.966)	59238	10.0000	7.997
146 7,12-Dimethylbenz(a)anthracene	256	16.086	16.096	(0.967)	34522	10.0000	8.605
149 3-Methylcholanthrene	268	17.153	17.163	(1.031)	34444	10.0000	8.115
150 Dibenz(a,j)acridine	279	18.106	18.117	(1.089)	45031	10.0000	7.917
M 154 Diallate (Total)	86				34074	10.0000	8.848
M 155 Isosafrole (Total)	162				29876	10.0000	9.574
M 156 Aramite (Total)	185				6136	10.0000	5.743
M 157 3 and 4-methylphenol	108				34011	10.0000	8.817
133 Kepone	272	13.277	13.287	(0.933)	8158	10.0000	10.30
135 Famphur	218	13.308	13.318	(0.935)	20724	10.0000	8.974

QC Flag Legend

Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP90817B.D
Lab Smp Id: AP9 010 ug/ml CS-2
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0322;0;8270F.M

Calibration Date: 18-AUG-2010
Calibration Time: 00:21
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	99291	-23.73
2 Naphthalene-d8	576581	288291	1153162	434451	-24.65
3 Acenaphthene-d10	314990	157495	629980	219584	-30.29
4 Phenanthrene-d10	511426	255713	1022852	355113	-30.56
5 Chrysene-d12	480980	240490	961960	312798	-34.97
6 Perylene-d12	450650	225325	901300	298304	-33.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.25	3.75	4.75	4.25	0.01
2 Naphthalene-d8	5.67	5.17	6.17	5.67	0.00
3 Acenaphthene-d10	7.79	7.29	8.29	7.79	0.00
4 Phenanthrene-d10	9.79	9.29	10.29	9.79	0.00
5 Chrysene-d12	14.23	13.73	14.73	14.23	0.00
6 Perylene-d12	16.64	16.14	17.14	16.64	0.00

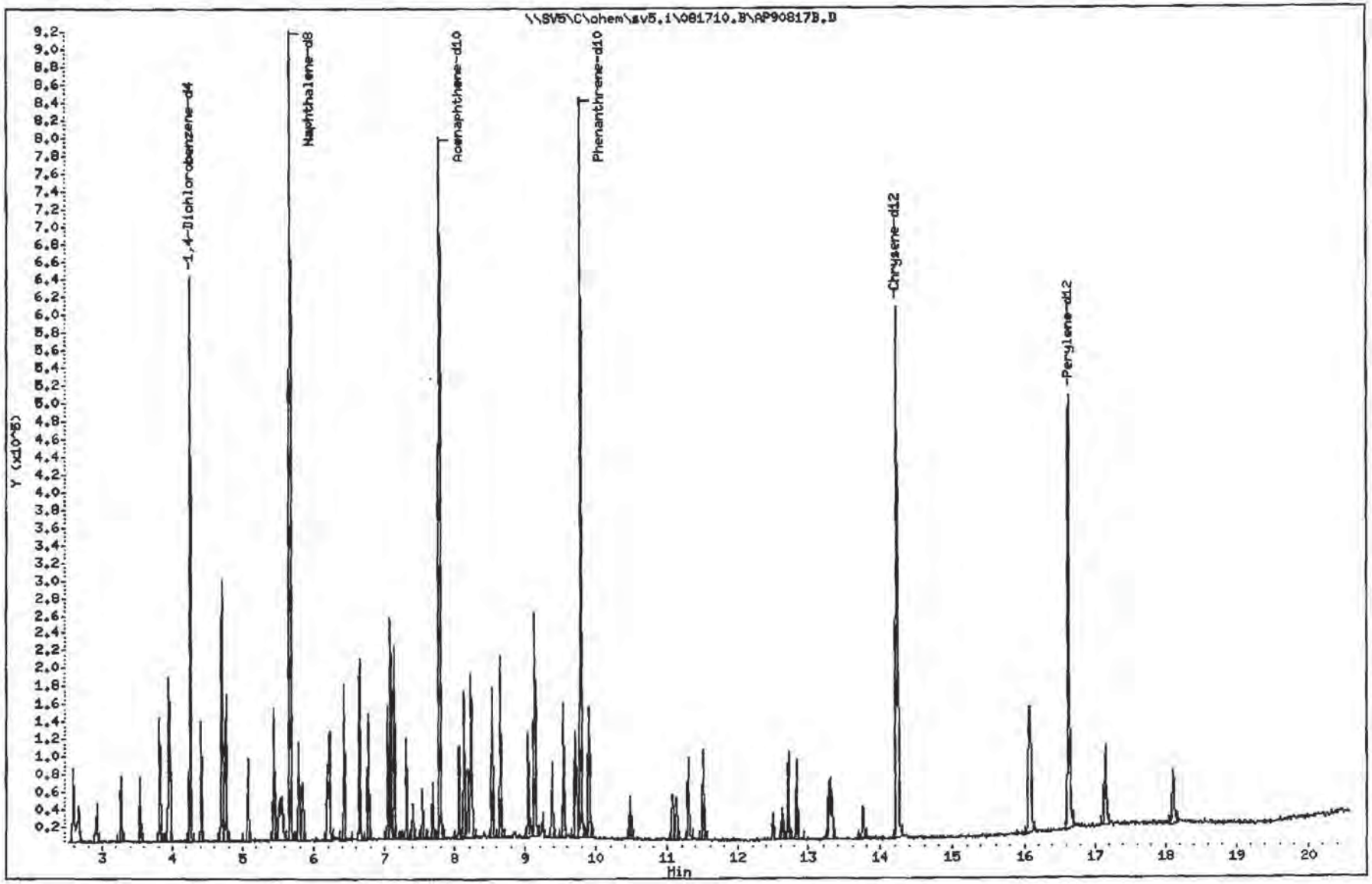
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\ohem\sv5.i\081710.B\AP90817B.D
Date : 17-AUG-2010 22:11
Client ID: 8270F.M
Sample Info: AP9_010 ug/ml CS-2;1;;2;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\081710.B\AP90817C.D
Lab Smp Id: AP9_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 22:37
Operator : KT Inst ID: sv5.i
Smp Info : AP9_020 ug/ml CS-3;1;;3;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0323;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:44 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 93 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	104836	40.0000	
* 2	Naphthalene-d8	136	5.671	5.670	(1.000)	460342	40.0000	
* 3	Acenaphthene-d10	164	7.785	7.785	(1.000)	239475	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.785	(1.000)	394783	40.0000	
* 5	Chrysene-d12	240	14.231	14.230	(1.000)	344117	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	327263	40.0000	
17	2-Picoline	93	2.572	2.562	(0.605)	86811	20.0000	19.85
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	39229	20.0000	19.80
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	33458	20.0000	20.05
21	n-Nitrosodiethylamine	102	3.266	3.256	(0.768)	40618	20.0000	19.87
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	58722	20.0000	20.22
20	Benzaldehyde	106	3.816	3.815	(0.898)	70842	20.0000	20.72
25	Pentachloroethane	117	3.961	3.961	(0.932)	27901	20.0000	20.45
35	Acetophenone	105	4.707	4.707	(0.830)	112017	20.0000	20.90
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	44084	20.0000	19.83(q)
39	3-Methylphenol	108	4.697	4.696	(1.105)	81254	20.0000	20.02
40	o-Toluidine	106	4.759	4.759	(1.119)	132618	20.0000	19.78
41	n-Nitrosomorpholine	56	4.728	4.717	(1.112)	61014	20.0000	19.88
43	N-Nitrosopiperidine	42	5.070	5.069	(0.894)	60486	20.0000	20.04
48	o,o,o-TEPT	198	5.443	5.442	(0.960)	31577	20.0000	19.59
53	a-,a-Dimethylphenethylamine	58	5.546	5.546	(0.978)	256529	20.0000	19.63(M)
56	Hexachloropropene	213	5.847	5.847	(1.031)	31512	20.0000	19.98
58	p-Phenylenediamine	108	6.189	6.189	(1.091)	105528	20.0000	19.61
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	52669	20.0000	19.44
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	57951	20.0000	19.98
61	Safrole	162	6.427	6.427	(1.133)	58564	20.0000	20.36
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	160718	20.0000	20.19
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.759	(0.868)	51596	20.0000	20.49
68	Isosafrole#1	162	6.779	6.779	(0.871)	10049	20.0000	19.50
72	Isosafrole#2	162	7.039	7.036	(0.904)	54773	20.0000	19.15
64	1-Chloronaphthalene	162	7.132	7.132	(0.916)	134247	20.0000	20.60
62	Biphenyl	154	7.080	7.080	(0.909)	196502	20.0000	20.61
74	1,4-Naphthoquinone	158	7.308	7.308	(0.939)	53150	20.0000	20.02

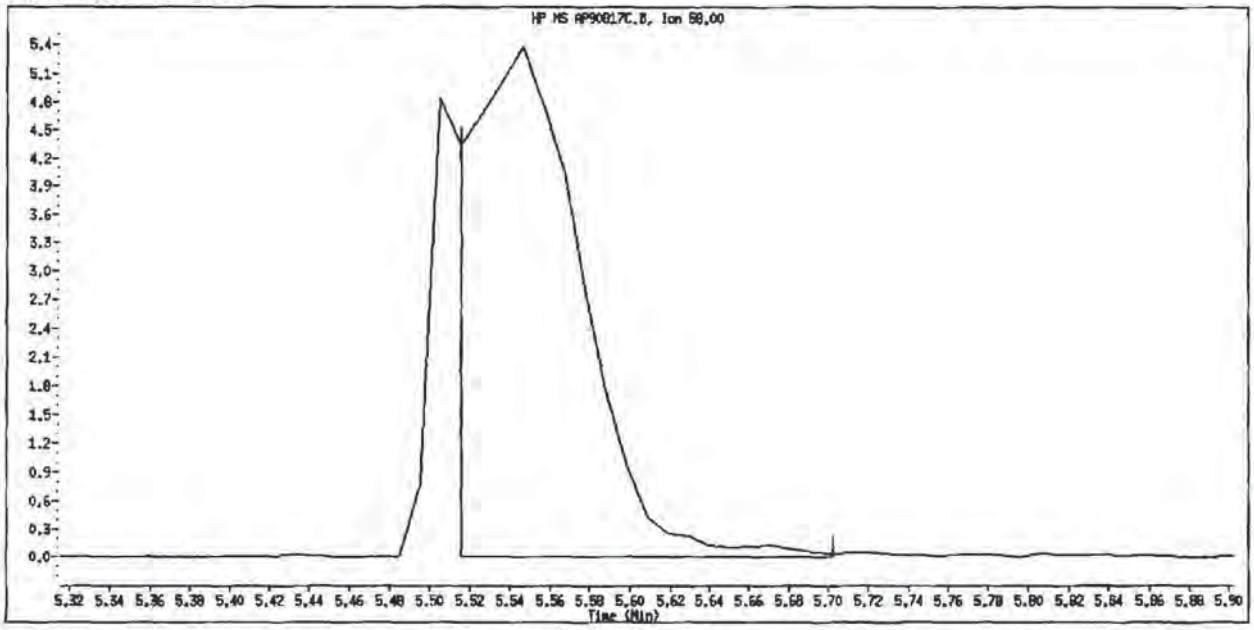
8/17/10
8/18/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	14097	20.0000	18.55
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	18821	20.0000	19.01
160	1,2-Dinitrobenzene	168	7.681	7.681	(0.987)	14822	20.0000	19.23(q)
85	Pentachlorobenzene	250	8.064	8.064	(1.036)	47528	20.0000	20.31
87	1-Naphtylamine	143	8.137	8.137	(1.045)	162588	20.0000	19.80
88	2,3,4,6-Tetrachlorophenol	232	8.241	8.241	(1.059)	29751	20.0000	20.35
89	2-Naphthylamine	143	8.230	8.230	(1.057)	173226	20.0000	20.16
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	26170	20.0000	19.10
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	40029	20.0000	19.80
96	Thionazin	97	8.531	8.541	(1.096)	30798	20.0000	18.38
99	Diphenylamine	169	8.655	8.655	(0.885)	131656	20.0000	19.79
102	Sulfotepp	97	9.039	9.038	(0.924)	23930	20.0000	19.06
103	Diallate 1	86	9.122	9.121	(0.932)	66970	20.0000	19.67
104	1,3,5-Trinitrobenzene	120	9.080	9.080	(0.928)	4571	20.0000	18.90(QM)
105	Phorate	121	9.132	9.132	(2.148)	34402	20.0000	19.08
106	Diallate 2	86	9.236	9.235	(0.944)	12335	20.0000	18.57
107	Phenacetin	108	9.132	9.142	(0.933)	72937	20.0000	19.76
109	Dimethoate	87	9.370	9.380	(0.958)	52679	20.0000	19.00
111	4-Aminobiphenyl	169	9.536	9.536	(0.975)	165119	20.0000	19.68
112	Pentachloronitrobenzene	295	9.733	9.733	(0.995)	6835	20.0000	19.61(q)
113	Pronamide	173	9.702	9.702	(0.992)	58646	20.0000	19.17
116	Disulfoton	88	9.899	9.899	(1.012)	82395	20.0000	19.04
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.014)	15520	20.0000	17.15
119	Methyl Parathion	109	10.479	10.479	(2.465)	36263	20.0000	16.84
122	4-Nitroquinoline-1-oxide	190	11.070	11.080	(1.131)	8450	20.0000	17.12(Q)
123	Parathion	109	11.132	11.132	(1.138)	25279	20.0000	18.81
124	Methapyrilene	58	11.298	11.308	(1.155)	115314	20.0000	19.62
125	Isodrin	193	11.515	11.515	(0.809)	23036	20.0000	21.10
129	Aramite#1	185	12.500	12.500	(0.878)	6329	20.0000	15.55(QM)
130	Aramite#2	185	12.635	12.635	(0.888)	11600	20.0000	18.52
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	72518	20.0000	20.12
132	p-Chlorobenzilate	251	12.842	12.831	(1.312)	44306	20.0000	19.43
137	2-Acetylaminofluorene	181	13.754	13.754	(0.967)	55142	20.0000	18.71
143	Benzo(j)fluoranthene	252	16.065	16.065	(0.966)	151067	20.0000	19.40
146	7,12-Dimethylbenz(a)anthracene	256	16.085	16.085	(0.967)	85853	20.0000	20.09
149	3-Methylcholanthrene	268	17.153	17.153	(1.031)	85468	20.0000	19.05
150	Dibenz(a,j)acridine	279	18.106	18.106	(1.088)	114744	20.0000	20.46
M 154	Diallate (Total)	86				79305	20.0000	19.49
M 155	Isosafrole (Total)	162				64822	20.0000	19.20
M 156	Aramite (Total)	185				17929	20.0000	15.25
M 157	3 and 4-methylphenol	108				81254	20.0000	20.02
133	Kepone	272	13.277	13.277	(0.933)	17904	20.0000	20.79
135	Famphur	218	13.308	13.308	(0.935)	50093	20.0000	21.12

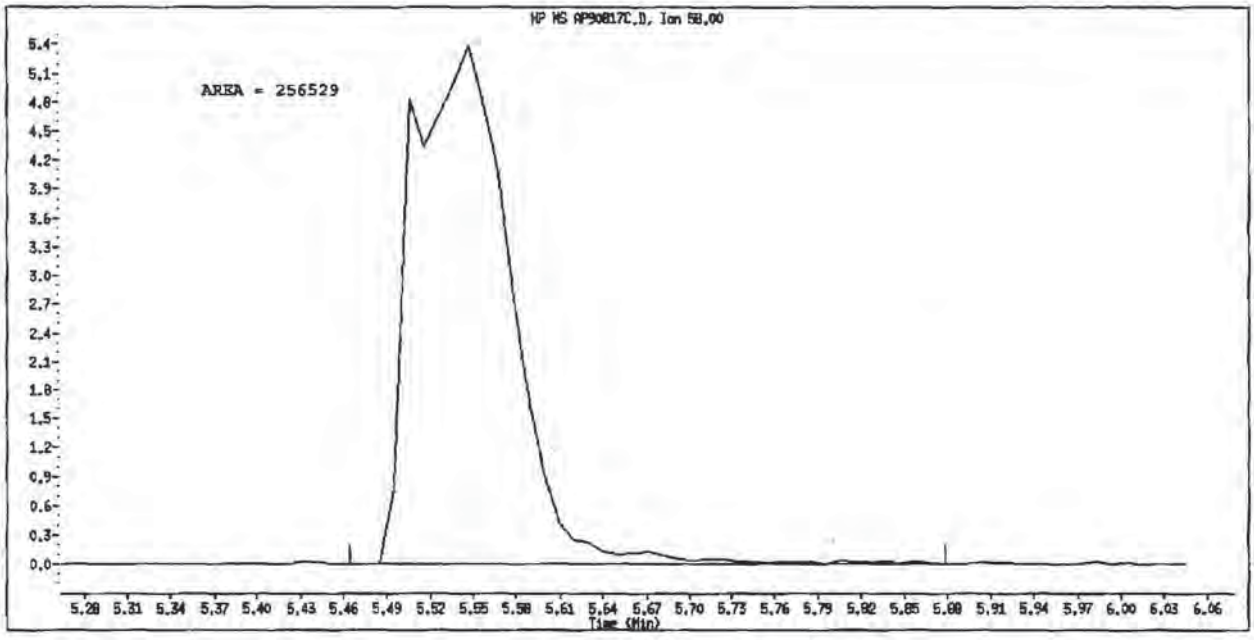
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: AP90817C.D
Inj. Date and Time: 17-AUG-2010 22:37
Instrument ID: gvS.i
Client ID: 8270F.M
Compound Name: a-,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 08/18/2010



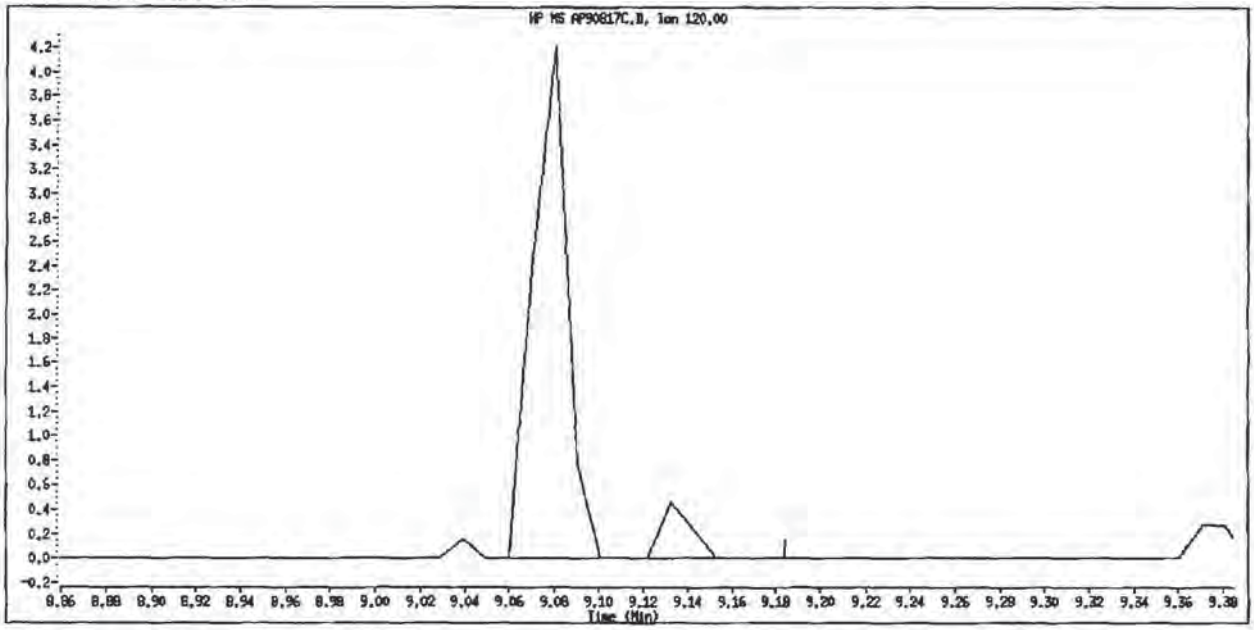
Original Integration



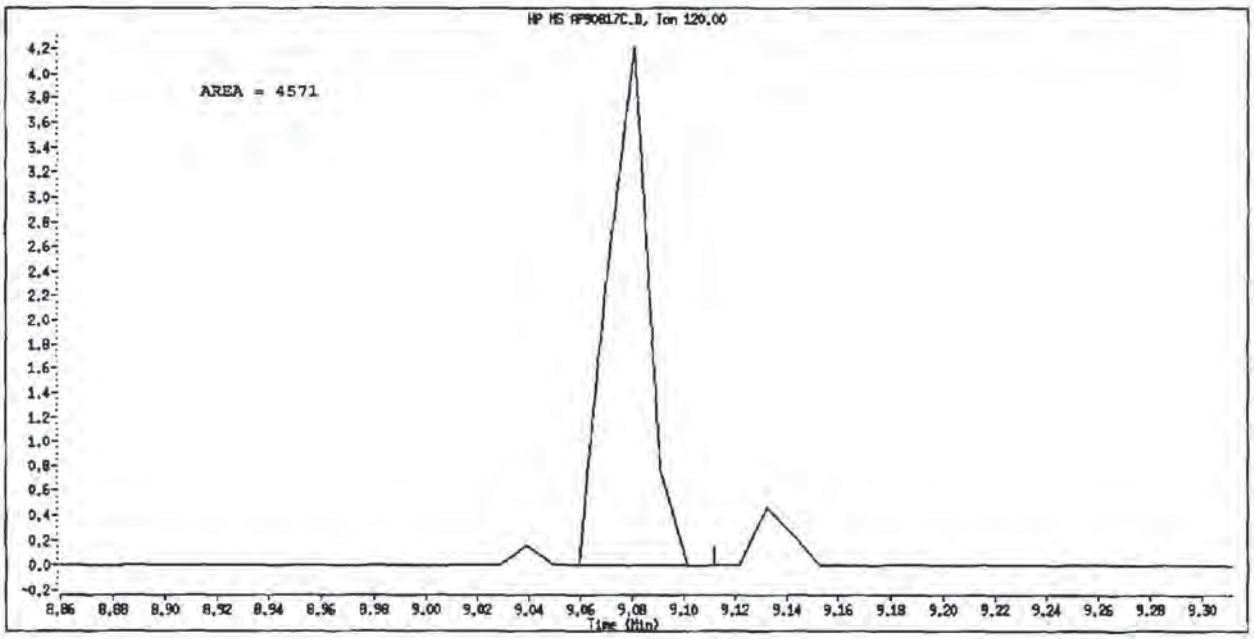
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: AP90817C.D
Inj. Date and Time: 17-AUG-2010 22:37
Instrument ID: svS.i
Client ID: 8270F.M
Compound Name: 1,3,5-Trinitrobenzene
CAS #: 99-35-4
Report Date: 08/18/2010



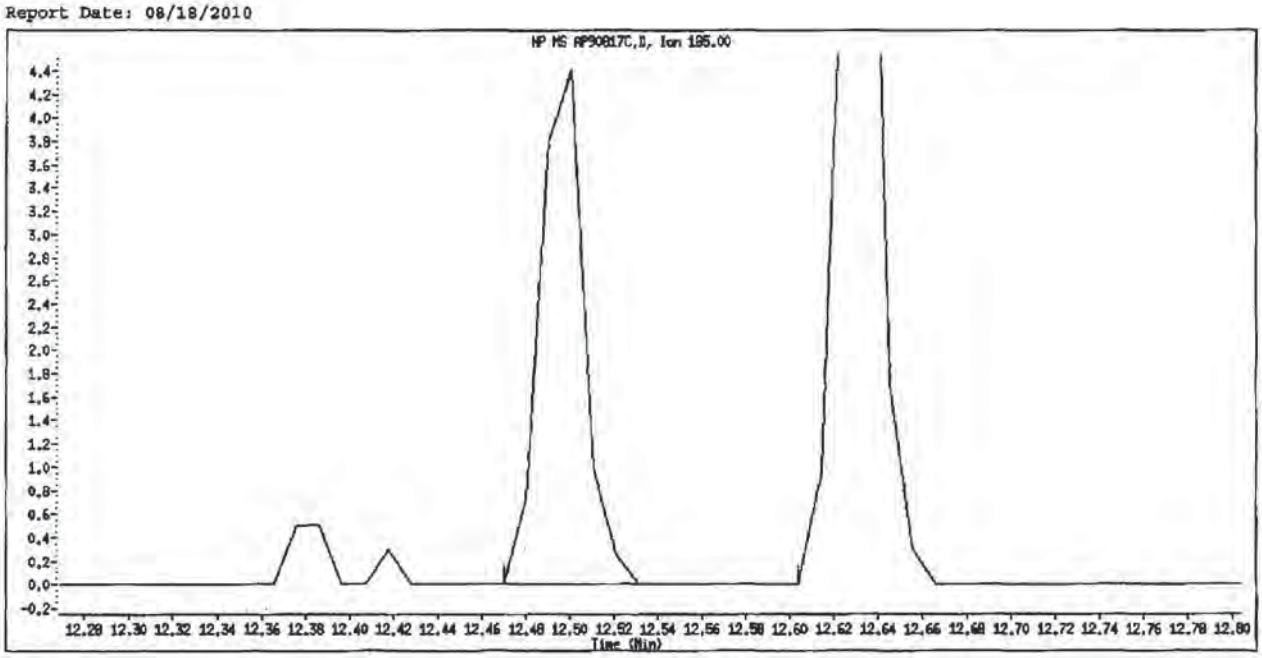
Original Integration



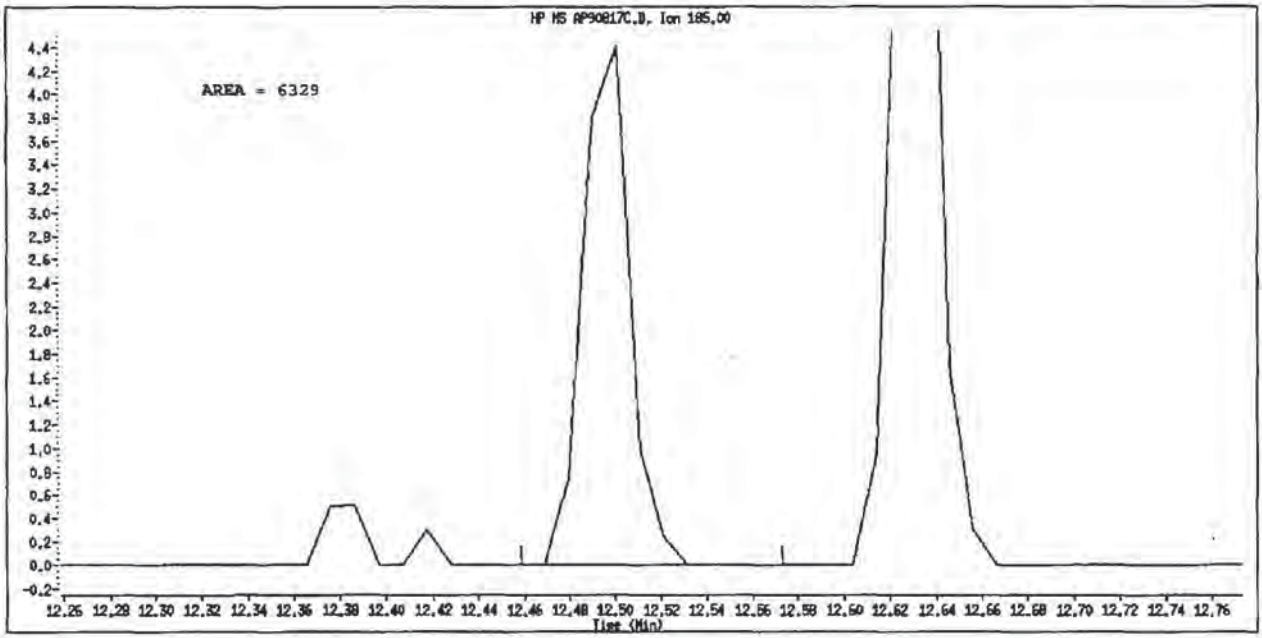
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: AP90817C.D
Inj. Date and Time: 17-AUG-2010 22:37
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Aramite#1
CAS #: 140-57-8A
Report Date: 08/18/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\081710.B\AP90817C.D
Lab Smp Id: AP9_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 22:37
Operator : KT Inst ID: sv5.i
Smp Info : AP9_020 ug/ml CS-3;1;;3;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0323;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Meth Date : 18-Aug-2010 14:23 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 93 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	104836	40.0000	
* 2	Naphthalene-d8	136	5.671	5.671	(1.000)	460342	40.0000	
* 3	Acenaphthene-d10	164	7.785	7.795	(1.000)	239475	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.795	(1.000)	394783	40.0000	
* 5	Chrysene-d12	240	14.231	14.241	(1.000)	344117	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	327263	40.0000	
17	2-Picoline	93	2.572	2.562	(0.605)	86811	20.0000	20.73
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	39229	20.0000	20.21
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	33458	20.0000	20.32
21	n-Nitrosodiethylamine	102	3.266	3.256	(0.768)	40618	20.0000	19.39
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	58722	20.0000	20.33
20	Benzaldehyde	106	3.816	3.816	(0.898)	70842	20.0000	20.74
25	Pentachloroethane	117	3.961	3.961	(0.932)	27901	20.0000	20.87
35	Acetophenone	105	4.707	4.707	(0.830)	112017	20.0000	20.84
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	44084	20.0000	19.62
39	3-Methylphenol	108	4.697	4.707	(1.105)	81254	20.0000	19.95
40	o-Toluidine	106	4.759	4.759	(1.119)	132618	20.0000	19.61
41	n-Nitrosomorpholine	56	4.728	4.728	(1.112)	61014	20.0000	20.02
43	N-Nitrosopiperidine	42	5.070	5.069	(0.894)	60486	20.0000	19.33
48	o,o,o-TEPT	198	5.443	5.443	(0.960)	31577	20.0000	19.05
53	a-,a-Dimethylphenethylamine	58	5.546	5.536	(0.978)	205272	20.0000	15.06
56	Hexachloropropene	213	5.847	5.847	(1.031)	31512	20.0000	19.87
58	p-Phenylenediamine	108	6.189	6.199	(1.091)	105528	20.0000	18.39
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	52669	20.0000	18.26
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	57951	20.0000	19.71
61	Safrole	162	6.427	6.427	(1.133)	58564	20.0000	19.03
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	160718	20.0000	19.92
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.769	(0.868)	51596	20.0000	20.60
68	Isosafrole#1	162	6.779	6.779	(0.871)	10049	20.0000	19.57
72	Isosafrole#2	162	7.039	7.049	(0.904)	54773	20.0000	18.95
64	1-Chloronaphthalene	162	7.132	7.132	(0.916)	134247	20.0000	20.67
62	Biphenyl	154	7.080	7.090	(0.909)	196502	20.0000	20.64
74	1,4-Naphthoquinone	158	7.308	7.318	(0.939)	53150	20.0000	18.67

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	14097	20.0000	15.50
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	18821	20.0000	15.92
160	1,2-Dinitrobenzene	168	7.681	7.691	(0.987)	14822	20.0000	16.18(Q)
85	Pentachlorobenzene	250	8.064	8.064	(1.036)	47528	20.0000	20.61
87	1-Naphtylamine	143	8.137	8.137	(1.045)	162588	20.0000	18.89
88	2,3,4,6-Tetrachlorophenol	232	8.241	8.251	(1.059)	29751	20.0000	19.26
89	2-Naphthylamine	143	8.230	8.230	(1.057)	173226	20.0000	19.42
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	26170	20.0000	17.96
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	40029	20.0000	16.89
96	Thionazin	97	8.531	8.541	(1.096)	30798	20.0000	17.22
99	Diphenylamine	169	8.655	8.655	(0.885)	131656	20.0000	19.10
102	Sulfotepp	97	9.039	9.049	(0.924)	23930	20.0000	17.92
103	Diallate 1	86	9.122	9.132	(0.932)	66970	20.0000	18.66
104	1,3,5-Trinitrobenzene	120	9.080	9.090	(0.928)	5002	20.0000	16.30(Q)
105	Phorate	121	9.132	9.142	(2.148)	34402	20.0000	17.26
106	Diallate 2	86	9.236	9.246	(0.944)	12335	20.0000	17.84
107	Phenacetin	108	9.132	9.142	(0.933)	72937	20.0000	17.79
109	Dimethoate	87	9.370	9.381	(0.958)	52679	20.0000	17.11
111	4-Aminobiphenyl	169	9.536	9.546	(0.975)	165119	20.0000	18.39
112	Pentachloronitrobenzene	295	9.733	9.743	(0.995)	6835	20.0000	17.95
113	Pronamide	173	9.702	9.712	(0.992)	58646	20.0000	17.65
116	Disulfoton	88	9.899	9.909	(1.012)	82395	20.0000	17.80
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.014)	15520	20.0000	12.57
119	Methyl Parathion	109	10.479	10.479	(2.465)	36263	20.0000	13.08
122	4-Nitroquinoline-1-oxide	190	11.070	11.080	(1.131)	8450	20.0000	11.47(Q)
123	Parathion	109	11.132	11.132	(1.138)	25279	20.0000	15.01
124	Methapyrilene	58	11.298	11.308	(1.155)	115314	20.0000	16.80
125	Isodrin	193	11.515	11.515	(0.809)	23036	20.0000	20.83
129	Aramite#1	185	12.386	12.500	(0.870)	814	20.0000	1.742(Q)
130	Aramite#2	185	12.635	12.635	(0.888)	11600	20.0000	16.38
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	72518	20.0000	18.14
132	p-Chlorobenzilate	251	12.842	12.842	(1.312)	44306	20.0000	16.57
137	2-Acetylaminofluorene	181	13.754	13.764	(0.967)	55142	20.0000	15.30
143	Benzo(j)fluoranthene	252	16.065	16.075	(0.966)	151067	20.0000	18.59
146	7,12-Dimethylbenz(a)anthracene	256	16.085	16.096	(0.967)	85853	20.0000	19.51
149	3-Methylcholanthrene	268	17.153	17.163	(1.031)	85468	20.0000	18.35
150	Dibenz(a,j)acridine	279	18.106	18.117	(1.088)	114744	20.0000	18.39
M 154	Diallate (Total)	86				79305	20.0000	18.52
M 155	Isosafrole (Total)	162				64822	20.0000	19.05
M 156	Aramite (Total)	185				12414	20.0000	10.56
M 157	3 and 4-methylphenol	108				81254	20.0000	19.95
133	Kepone	272	13.277	13.287	(0.933)	17904	20.0000	20.55
135	Famphur	218	13.308	13.318	(0.935)	50093	20.0000	19.72

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP90817C.D
Lab Smp Id: AP9 020 ug/ml CS-3
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0323;0;8270F.M

Calibration Date: 18-AUG-2010
Calibration Time: 00:21
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	104836	-19.47
2 Naphthalene-d8	576581	288291	1153162	460342	-20.16
3 Acenaphthene-d10	314990	157495	629980	239475	-23.97
4 Phenanthrene-d10	511426	255713	1022852	394783	-22.81
5 Chrysene-d12	480980	240490	961960	344117	-28.46
6 Perylene-d12	450650	225325	901300	327263	-27.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.25	3.75	4.75	4.25	0.00
2 Naphthalene-d8	5.67	5.17	6.17	5.67	0.00
3 Acenaphthene-d10	7.79	7.29	8.29	7.79	0.00
4 Phenanthrene-d10	9.79	9.29	10.29	9.79	0.00
5 Chrysene-d12	14.23	13.73	14.73	14.23	0.00
6 Perylene-d12	16.64	16.14	17.14	16.64	0.00

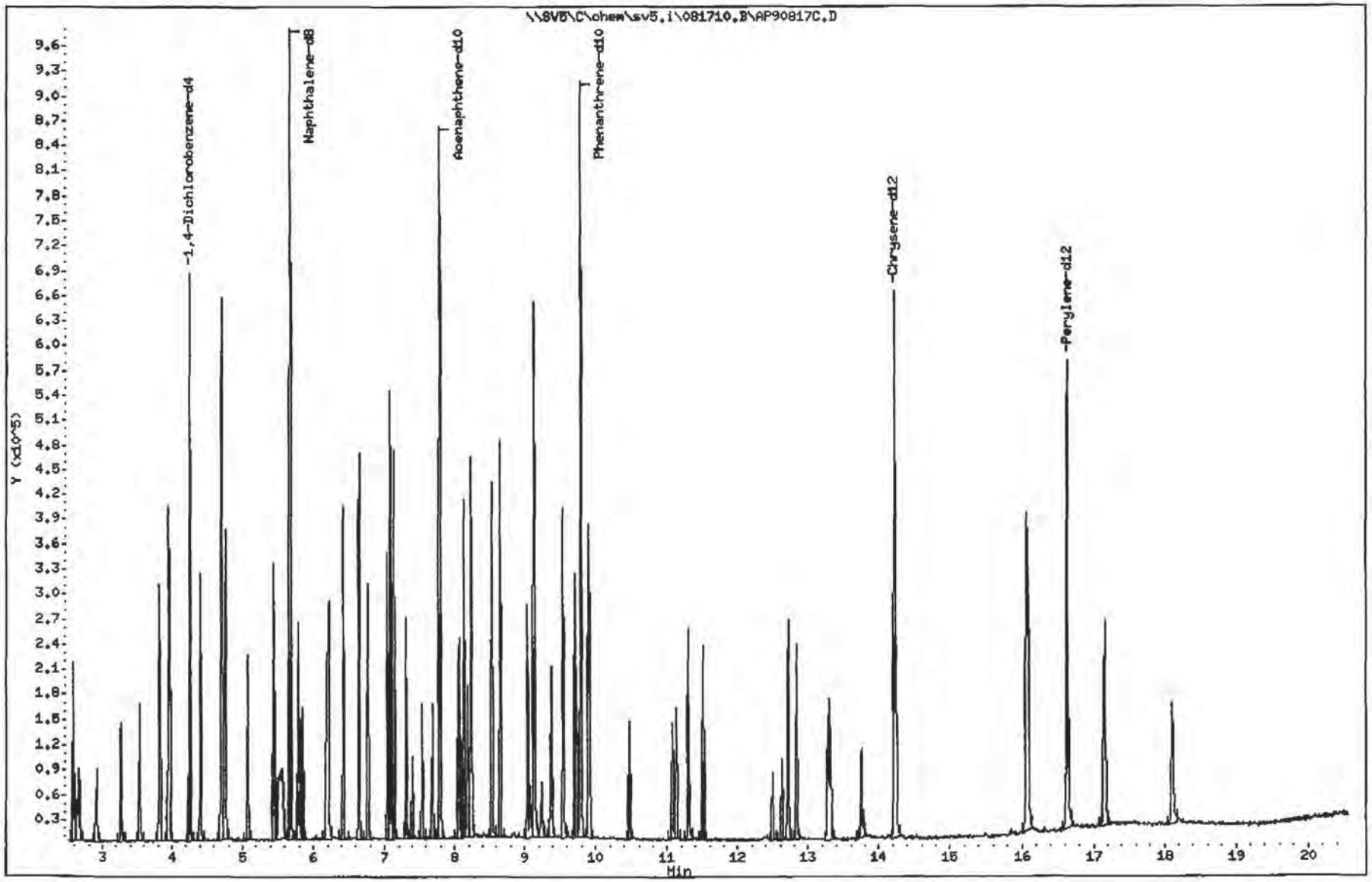
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\081710.B\AP90817C.D
Date : 17-AUG-2010 22:37
Client ID: 8270F.H
Sample Info: AP9_020 ug/ml CS-3;1;;3;;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\081710.B\AP90817D.D
Lab Smp Id: AP9_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 21:19
Operator : KT Inst ID: sv5.i
Smp Info : AP9_050 ug/ml CS-4;1;;4;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0324;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:44 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 94 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RRSPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	130190	40.0000		
* 2	Naphthalene-d8	136	5.671	5.670	(1.000)	576581	40.0000		
* 3	Acenaphthene-d10	164	7.795	7.785	(1.000)	314990	40.0000		
* 4	Phenanthrene-d10	188	9.795	9.785	(1.000)	511426	40.0000		
* 5	Chrysene-d12	240	14.241	14.230	(1.000)	480980	40.0000		
* 6	Perylene-d12	264	16.635	16.635	(1.000)	450650	40.0000		
17	2-Picoline	93	2.562	2.562	(0.603)	260034	50.0000	47.89	
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	120516	50.0000	49.00	
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	102232	50.0000	49.33	
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	130053	50.0000	51.24	
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	179345	50.0000	49.73	
20	Benzaldehyde	106	3.816	3.815	(0.898)	212136	50.0000	49.98	
25	Pentachloroethane	117	3.961	3.961	(0.932)	83024	50.0000	48.99	
35	Acetophenone	105	4.707	4.707	(0.830)	336636	50.0000	50.14	
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	139500	50.0000	50.52	
39	3-Methylphenol	108	4.707	4.696	(1.107)	252883	50.0000	50.18	
40	o-Toluidine	106	4.759	4.759	(1.119)	419936	50.0000	50.44	
41	n-Nitrosomorpholine	56	4.728	4.717	(1.112)	189188	50.0000	49.64	
43	N-Nitrosopiperidine	42	5.069	5.069	(0.894)	195969	50.0000	51.83	
48	o,o,o-TEPT	198	5.443	5.442	(0.960)	103799	50.0000	51.41	
53	a-,a-Dimethylphenethylamine	58	5.536	5.546	(0.976)	850666	50.0000	51.97	(M)
56	Hexachloropropene	213	5.847	5.847	(1.031)	99329	50.0000	50.29	
58	p-Phenylenediamine	108	6.199	6.189	(1.093)	359326	50.0000	53.32	
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	180628	50.0000	53.23	
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	184120	50.0000	50.68	
61	Safrole	162	6.427	6.427	(1.133)	192731	50.0000	53.51	
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	505345	50.0000	50.69	
67	1,2,4,5-Tetrachlorobenzene	216	6.769	6.759	(0.868)	164711	50.0000	49.73	
68	Isosafrole#1	162	6.779	6.779	(0.870)	33771	50.0000	49.83	
72	Isosafrole#2	162	7.049	7.038	(0.904)	190049	50.0000	50.52	
64	1-Chloronaphthalene	162	7.132	7.132	(0.915)	427051	50.0000	49.83	
62	Biphenyl	154	7.090	7.080	(0.910)	626054	50.0000	49.93	
74	1,4-Naphthoquinone	158	7.318	7.308	(0.939)	187203	50.0000	53.61	

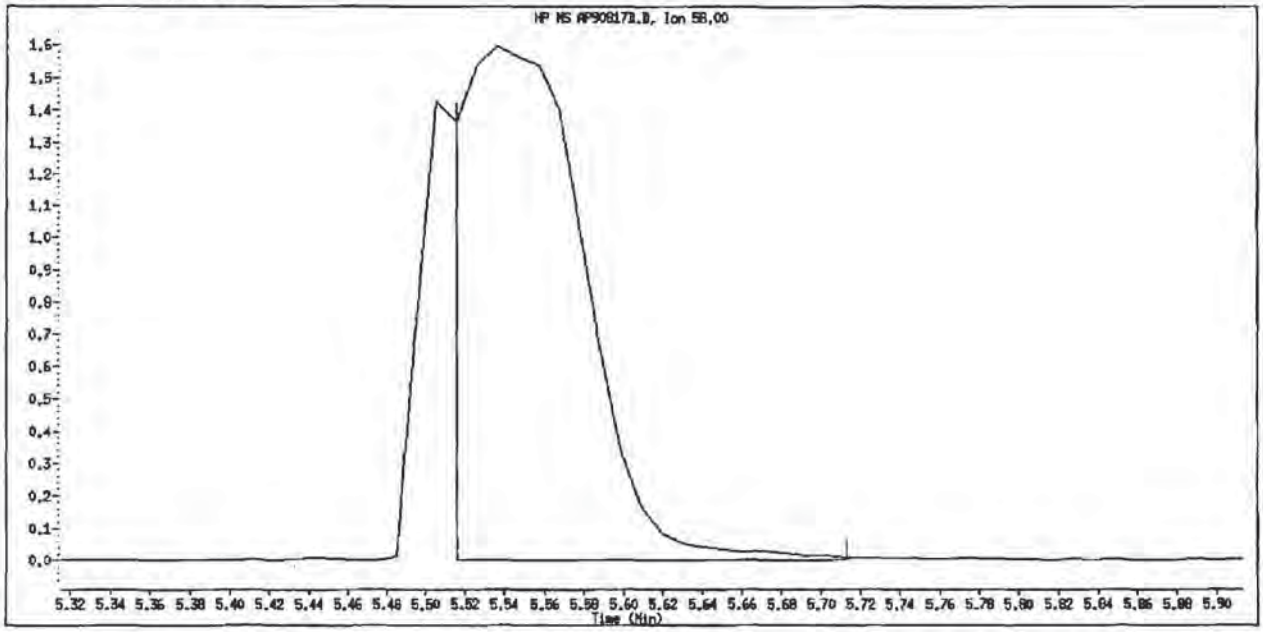
8/18/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.949)	59791	50.0000	52.29
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.967)	77774	50.0000	51.43
160	1,2-Dinitrobenzene	168	7.691	7.691	(0.987)	60230	50.0000	55.20
85	Pentachlorobenzene	250	8.064	8.064	(1.035)	151640	50.0000	49.27
87	1-Naphtylamine	143	8.137	8.137	(1.044)	565993	50.0000	52.40
88	2,3,4,6-Tetrachlorophenol	232	8.251	8.241	(1.058)	101569	50.0000	52.81
89	2-Naphthylamine	143	8.230	8.230	(1.056)	586702	50.0000	51.90
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.051)	95849	50.0000	53.20
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.096)	155840	50.0000	48.83
96	Thionazin	97	8.541	8.541	(1.096)	117597	50.0000	53.36
99	Diphenylamine	169	8.655	8.655	(0.884)	446423	50.0000	51.81
102	Sulfotepp	97	9.049	9.038	(0.924)	86492	50.0000	53.19
103	Diallate 1	86	9.132	9.121	(0.932)	232518	50.0000	52.72
104	1,3,5-Trinitrobenzene	120	9.090	9.080	(0.928)	19870	50.0000	51.53 (Q)
105	Phorate	121	9.142	9.132	(2.151)	123774	50.0000	55.29
106	Diallate 2	86	9.246	9.235	(0.944)	44794	50.0000	52.06
107	Phenacetin	108	9.142	9.142	(0.933)	265580	50.0000	49.13
109	Dimethoate	87	9.381	9.380	(0.958)	199378	50.0000	55.51
111	4-Aminobiphenyl	169	9.546	9.536	(0.975)	581487	50.0000	53.50
112	Pentachloronitrobenzene	295	9.743	9.733	(0.995)	24659	50.0000	54.62
113	Pronamide	173	9.712	9.702	(0.992)	215166	50.0000	54.29
116	Disulfoton	88	9.909	9.899	(1.012)	299841	50.0000	53.49
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.013)	79994	50.0000	52.27
119	Methyl Parathion	109	10.479	10.479	(2.465)	172082	50.0000	52.71
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.131)	47731	50.0000	53.63 (Q)
123	Parathion	109	11.132	11.132	(1.136)	109077	50.0000	51.49
124	Methapyrilene	58	11.308	11.308	(1.154)	444713	50.0000	58.40
125	Isodrin	193	11.515	11.515	(0.809)	77301	50.0000	50.65
129	Aramite#1	185	12.500	12.500	(0.878)	32653	50.0000	57.41
130	Aramite#2	185	12.635	12.635	(0.887)	49491	50.0000	56.54
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.893)	279382	50.0000	49.57
132	p-Chlorobenzilate	251	12.842	12.831	(1.311)	173185	50.0000	49.31
137	2-Acetylaminofluorene	181	13.764	13.754	(0.967)	251920	50.0000	50.09
143	Benzo(j)fluoranthene	252	16.075	16.065	(0.966)	557360	50.0000	51.97
146	7,12-Dimethylbenz(a)anthracene	256	16.096	16.085	(0.968)	301857	50.0000	51.29
149	3-Methylcholanthrene	268	17.163	17.153	(1.032)	319372	50.0000	51.69
150	Dibenz(a,j)acridine	279	18.117	18.106	(1.089)	427962	50.0000	47.21
M 154	Diallate (Total)	86				277312	50.0000	52.61
M 155	Isosafrole (Total)	162				223820	50.0000	50.42
M 156	Aramite (Total)	185				82144	50.0000	50.00
M 157	3 and 4-methylphenol	108				252883	50.0000	50.18
133	Kepone	272	13.287	13.277	(0.933)	60877	50.0000	50.58
135	Famphur	218	13.318	13.308	(0.935)	177548	50.0000	53.55

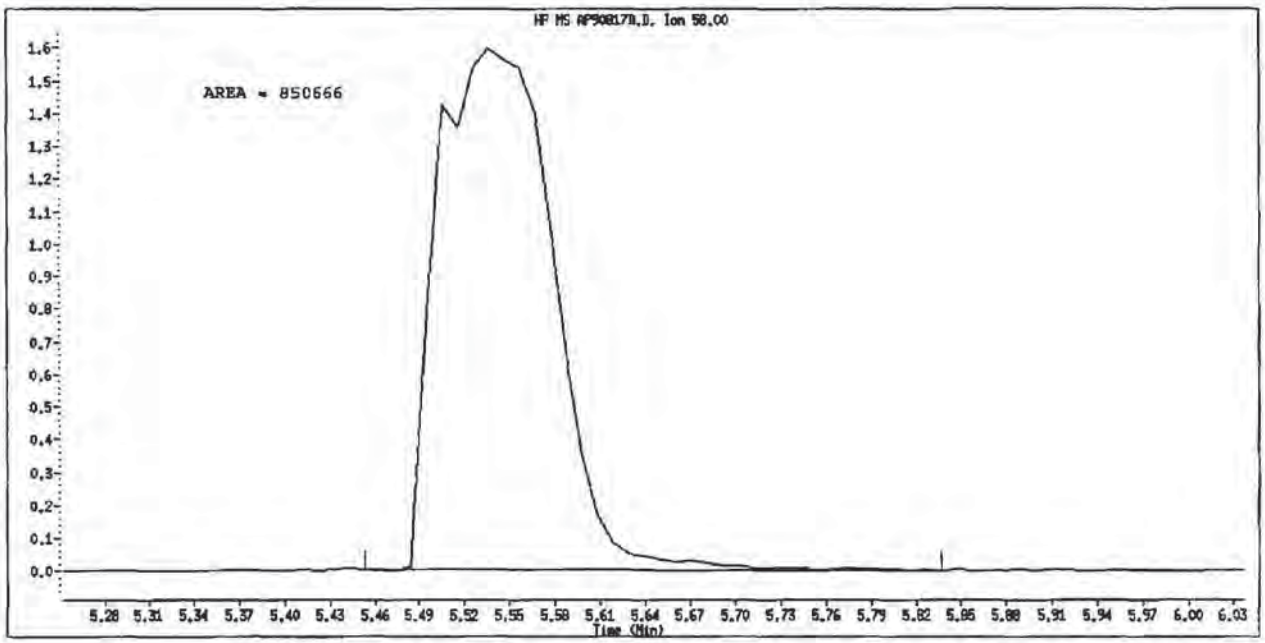
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: AP90817D.D
Inj. Date and Time: 17-AUG-2010 21:19
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: a-,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 08/18/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\081710.B\AP90817D.D
Lab Smp Id: AP9_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 21:19
Operator : KT Inst ID: sv5.i
Smp Info : AP9_050 ug/ml CS-4;1;;4;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0324;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Meth Date : 18-Aug-2010 14:23 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 94 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	130190	40.0000	
* 2	Naphthalene-d8	136	5.671	5.671	(1.000)	576581	40.0000	
* 3	Acenaphthene-d10	164	7.795	7.795	(1.000)	314990	40.0000	
* 4	Phenanthrene-d10	188	9.795	9.795	(1.000)	511426	40.0000	
* 5	Chrysene-d12	240	14.241	14.241	(1.000)	480980	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	450650	40.0000	
17	2-Picoline	93	2.562	2.562	(0.603)	260034	50.0000	50.00
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	120516	50.0000	50.00
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	102232	50.0000	50.00
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	130053	50.0000	50.00
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	179345	50.0000	50.00
20	Benzaldehyde	106	3.816	3.816	(0.898)	212136	50.0000	50.00
25	Pentachloroethane	117	3.961	3.961	(0.932)	83024	50.0000	50.00
35	Acetophenone	105	4.707	4.707	(0.830)	336636	50.0000	50.00
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	139500	50.0000	50.00
39	3-Methylphenol	108	4.707	4.707	(1.107)	252883	50.0000	50.00
40	o-Toluidine	106	4.759	4.759	(1.119)	419936	50.0000	50.00
41	n-Nitrosomorpholine	56	4.728	4.728	(1.112)	189188	50.0000	50.00
43	N-Nitrosopiperidine	42	5.069	5.069	(0.894)	195969	50.0000	50.00
48	o,o,o-TEPT	198	5.443	5.443	(0.960)	103799	50.0000	50.00
53	a-,a-Dimethylphenethylamine	58	5.536	5.536	(0.976)	675083	50.0000	39.55
56	Hexachloropropene	213	5.847	5.847	(1.031)	99329	50.0000	50.00
58	p-Phenylenediamine	108	6.199	6.199	(1.093)	359326	50.0000	50.00
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	180628	50.0000	50.00
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	184120	50.0000	50.00
61	Safrole	162	6.427	6.427	(1.133)	192731	50.0000	50.00
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	505345	50.0000	50.00
67	1,2,4,5-Tetrachlorobenzene	216	6.769	6.769	(0.868)	164711	50.0000	50.00
68	Isosafrole#1	162	6.779	6.779	(0.870)	33771	50.0000	50.00
72	Isosafrole#2	162	7.049	7.049	(0.904)	190049	50.0000	50.00
64	1-Chloronaphthalene	162	7.132	7.132	(0.915)	427051	50.0000	50.00
62	Biphenyl	154	7.090	7.090	(0.910)	626054	50.0000	50.00
74	1,4-Naphthoquinone	158	7.318	7.318	(0.939)	187203	50.0000	50.00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.949)	59791	50.0000	50.00
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.967)	77774	50.0000	50.00
160	1,2-Dinitrobenzene	168	7.691	7.691	(0.987)	60230	50.0000	50.00
85	Pentachlorobenzene	250	8.064	8.064	(1.035)	151640	50.0000	50.00
87	1-Naphtylamine	143	8.137	8.137	(1.044)	565993	50.0000	50.00
88	2,3,4,6-Tetrachlorophenol	232	8.251	8.251	(1.058)	101569	50.0000	50.00
89	2-Naphthylamine	143	8.230	8.230	(1.056)	586702	50.0000	50.00
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.051)	95849	50.0000	50.00
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.096)	155840	50.0000	50.00
96	Thionazin	97	8.541	8.541	(1.096)	117597	50.0000	50.00
99	Diphenylamine	169	8.655	8.655	(0.884)	446423	50.0000	50.00
102	Sulfotepp	97	9.049	9.049	(0.924)	86492	50.0000	50.00
103	Diallate 1	86	9.132	9.132	(0.932)	232518	50.0000	50.00
104	1,3,5-Trinitrobenzene	120	9.090	9.090	(0.928)	19870	50.0000	50.00
105	Phorate	121	9.142	9.142	(2.151)	123774	50.0000	50.00
106	Diallate 2	86	9.246	9.246	(0.944)	44794	50.0000	50.00
107	Phenacetin	108	9.142	9.142	(0.933)	265580	50.0000	50.00
109	Dimethoate	87	9.381	9.381	(0.958)	199378	50.0000	50.00
111	4-Aminobiphenyl	169	9.546	9.546	(0.975)	581487	50.0000	50.00
112	Pentachloronitrobenzene	295	9.743	9.743	(0.995)	24659	50.0000	50.00
113	Pronamide	173	9.712	9.712	(0.992)	215166	50.0000	50.00
116	Disulfoton	88	9.909	9.909	(1.012)	299841	50.0000	50.00
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.013)	79994	50.0000	50.00
119	Methyl Parathion	109	10.479	10.479	(2.465)	172082	50.0000	50.00
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.131)	47731	50.0000	50.00
123	Parathion	109	11.132	11.132	(1.136)	109077	50.0000	50.00
124	Methapyrilene	58	11.308	11.308	(1.154)	444713	50.0000	50.00
125	Isodrin	193	11.515	11.515	(0.809)	77301	50.0000	50.00
129	Aramite#1	185	12.500	12.500	(0.878)	32653	50.0000	50.00
130	Aramite#2	185	12.635	12.635	(0.887)	49491	50.0000	50.00
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.893)	279382	50.0000	50.00
132	p-Chlorobenzilate	251	12.842	12.842	(1.311)	173185	50.0000	50.00
137	2-Acetylaminofluorene	181	13.764	13.764	(0.967)	251920	50.0000	50.00
143	Benzo(j)fluoranthene	252	16.075	16.075	(0.966)	557360	50.0000	49.81
146	7,12-Dimethylbenz(a)anthracene	256	16.096	16.096	(0.968)	301857	50.0000	49.81
149	3-Methylcholanthrene	268	17.163	17.163	(1.032)	319372	50.0000	49.81
150	Dibenz(a,j)acridine	279	18.117	18.117	(1.089)	427962	50.0000	49.81
M 154	Diallate (Total)	86				277312	50.0000	50.00
M 155	Isosafrole (Total)	162				223820	50.0000	50.00
M 156	Aramite (Total)	185				82144	50.0000	50.00
M 157	3 and 4-methylphenol	108				252883	50.0000	50.00
133	Kepone	272	13.287	13.287	(0.933)	60877	50.0000	50.00
135	Famphur	218	13.318	13.318	(0.935)	177548	50.0000	50.00

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP90817D.D
Lab Smp Id: AP9_050 ug/ml CS-4
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0324;0;8270F.M

Calibration Date: 18-AUG-2010
Calibration Time: 00:21
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	130190	0.00
2 Naphthalene-d8	576581	288291	1153162	576581	0.00
3 Acenaphthene-d10	314990	157495	629980	314990	0.00
4 Phenanthrene-d10	511426	255713	1022852	511426	0.00
5 Chrysene-d12	480980	240490	961960	480980	0.00
6 Perylene-d12	450650	225325	901300	450650	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.25	3.75	4.75	4.25	0.00
2 Naphthalene-d8	5.67	5.17	6.17	5.67	0.00
3 Acenaphthene-d10	7.79	7.29	8.29	7.80	0.13
4 Phenanthrene-d10	9.79	9.29	10.29	9.80	0.11
5 Chrysene-d12	14.23	13.73	14.73	14.24	0.07
6 Perylene-d12	16.64	16.14	17.14	16.64	0.00

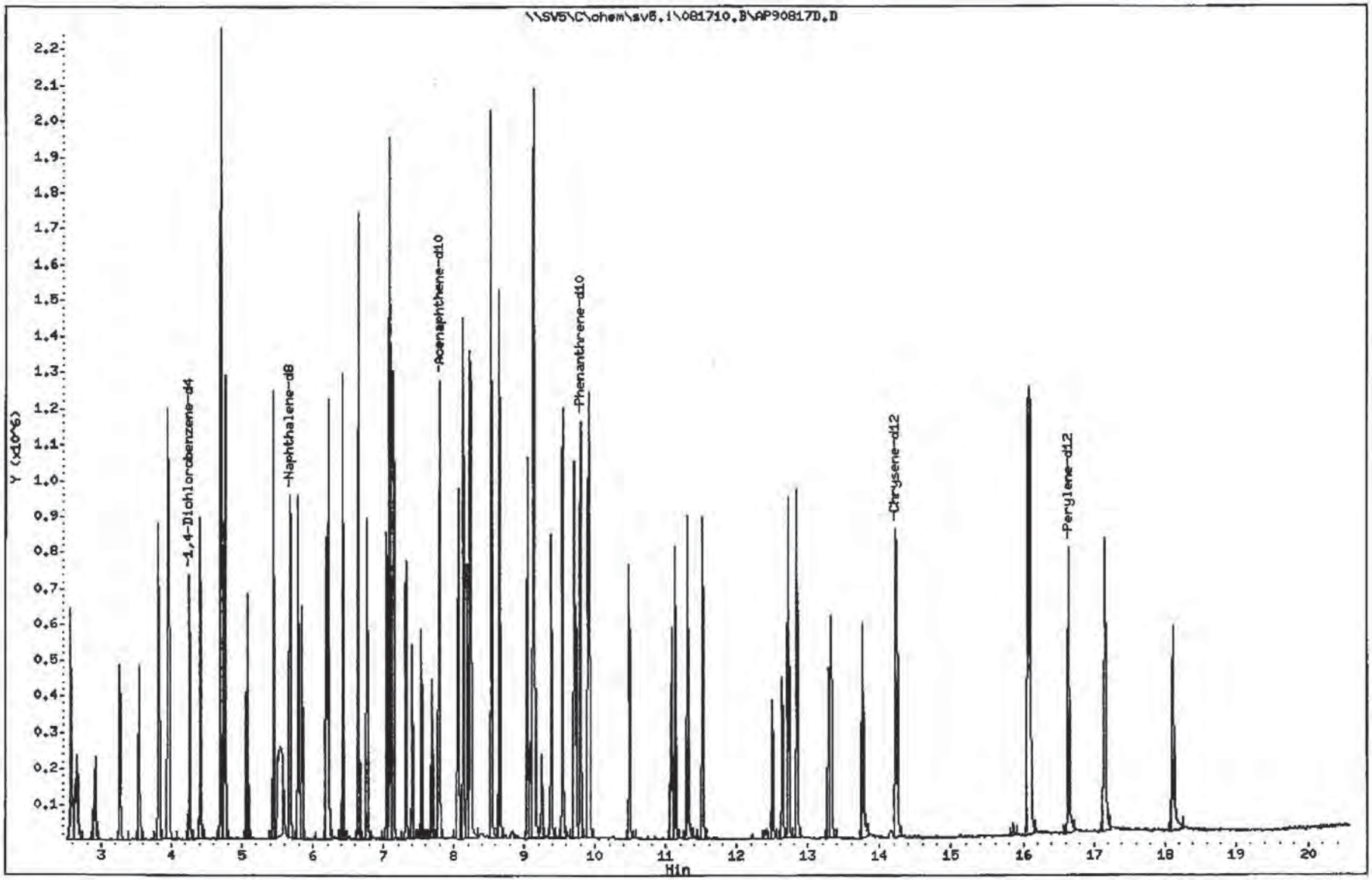
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\ohem\sv5.i\081710.B\AP90817D.D
Date : 17-AUG-2010 21:19
Client ID: 8270F.H
Sample Info: AP9_050 ug/ml CS-4;1;;;4;;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



Test America West Sacramento (916) 373 - 5600

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Method 8270C

Data file : \\sv5\c\chem\sv5.i\081710.B\AP90817E.D
Lab Smp Id: AP9_080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 23:03
Operator : KT Inst ID: sv5.i
Smp Info : AP9_080 ug/ml CS-5;1;;5;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0325;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:44 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 95 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	106085	40.0000		
* 2	Naphthalene-d8	136	5.671	5.670	(1.000)	478325	40.0000		
* 3	Acenaphthene-d10	164	7.795	7.785	(1.000)	257729	40.0000		
* 4	Phenanthrene-d10	188	9.785	9.785	(1.000)	406526	40.0000		
* 5	Chrysene-d12	240	14.230	14.230	(1.000)	369707	40.0000		
* 6	Perylene-d12	264	16.635	16.635	(1.000)	340936	40.0000		
17	2-Picoline	93	2.562	2.562	(0.603)	340936	80.0000	77.05	
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	162995	80.0000	81.32	
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	132967	80.0000	78.74	
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	174822	80.0000	84.52	
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	237669	80.0000	80.87	
20	Benzaldehyde	106	3.816	3.815	(0.898)	277938	80.0000	80.36	
25	Pentachloroethane	117	3.961	3.961	(0.932)	109865	80.0000	79.56	
35	Acetophenone	105	4.707	4.707	(0.830)	448560	80.0000	80.53	
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	185147	80.0000	82.29	
39	3-Methylphenol	108	4.696	4.696	(1.105)	341217	80.0000	83.10	
40	o-Toluidine	106	4.759	4.759	(1.119)	558444	80.0000	82.31	
41	n-Nitrosomorpholine	56	4.727	4.717	(1.112)	254109	80.0000	81.83	
43	N-Nitrosopiperidine	42	5.069	5.069	(0.894)	258017	80.0000	82.25	
48	o,o,o-TEPT	198	5.443	5.442	(0.960)	139063	80.0000	83.03	
53	a-,a-Dimethylphenethylamine	58	5.546	5.546	(0.978)	1133353	80.0000	83.47	(M)
56	Hexachloropropene	213	5.847	5.847	(1.031)	135384	80.0000	82.62	
58	p-Phenylenediamine	108	6.189	6.189	(1.091)	473459	80.0000	84.70	
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	234736	80.0000	83.39	
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	245659	80.0000	81.51	
61	Safrole	162	6.427	6.427	(1.133)	251478	80.0000	84.16	
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	683928	80.0000	82.70	
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.759	(0.867)	216736	80.0000	79.98	
68	Isosafrole#1	162	6.779	6.779	(0.870)	43919	80.0000	79.20	
72	Isosafrole#2	162	7.038	7.038	(0.903)	254147	80.0000	82.57	
64	1-Chloronaphthalene	162	7.132	7.132	(0.915)	560161	80.0000	79.89	
62	Biphenyl	154	7.090	7.080	(0.910)	822050	80.0000	80.12	
74	1,4-Naphthoquinone	158	7.308	7.308	(0.938)	237917	80.0000	83.27	

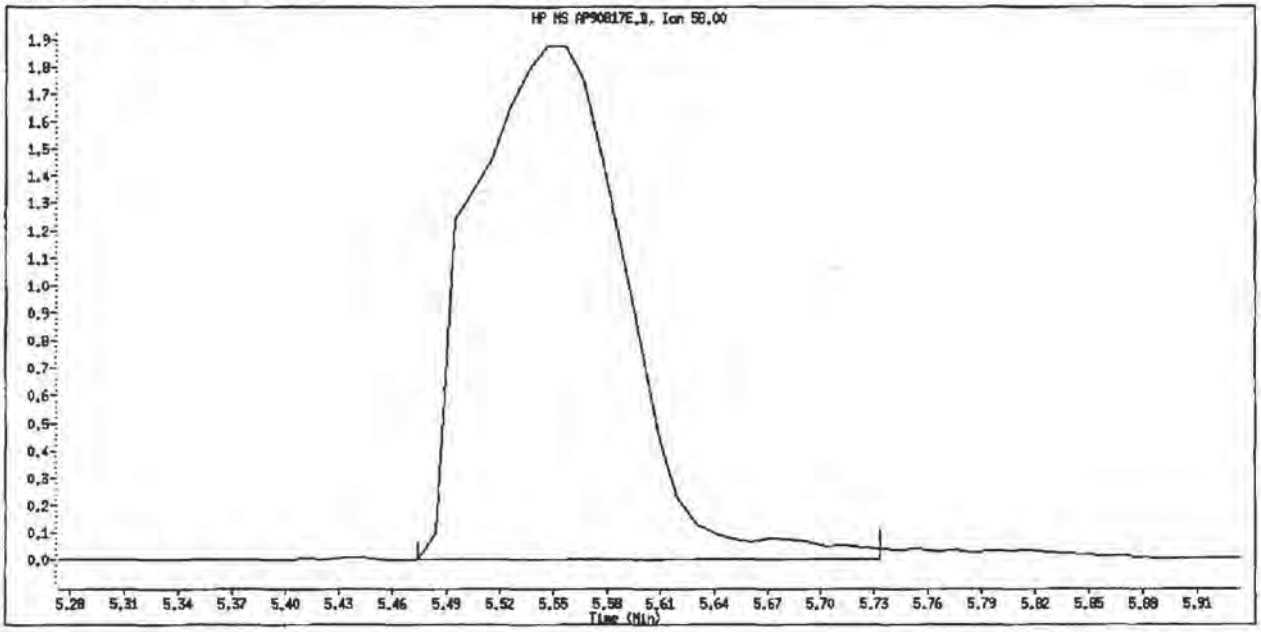
8/17/10
8/18/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.949)	77108	80.0000	77.83
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.967)	103967	80.0000	80.05
160	1,2-Dinitrobenzene	168	7.691	7.681	(0.987)	71418	80.0000	77.64
85	Pentachlorobenzene	250	8.064	8.064	(1.035)	199738	80.0000	79.32
87	1-Naphtylamine	143	8.137	8.137	(1.044)	700386	80.0000	79.25
88	2,3,4,6-Tetrachlorophenol	232	8.251	8.241	(1.058)	129800	80.0000	82.48
89	2-Naphthylamine	143	8.230	8.230	(1.056)	761168	80.0000	82.30
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.051)	121292	80.0000	82.28
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.096)	207752	80.0000	76.42
96	Thionazin	97	8.541	8.541	(1.096)	151166	80.0000	83.83
99	Diphenylamine	169	8.655	8.655	(0.885)	575796	80.0000	84.07
102	Sulfotepp	97	9.039	9.038	(0.924)	109816	80.0000	84.95
103	Diallate 1	86	9.121	9.121	(0.932)	295312	80.0000	84.23
104	1,3,5-Trinitrobenzene	120	9.080	9.080	(0.928)	27095	80.0000	79.09 (q)
105	Phorate	121	9.132	9.132	(2.148)	154249	80.0000	84.56
106	Diallate 2	86	9.235	9.235	(0.944)	56853	80.0000	83.13
107	Phenacetin	108	9.142	9.142	(0.934)	339352	80.0000	76.82
109	Dimethoate	87	9.381	9.380	(0.959)	251422	80.0000	88.06
111	4-Aminobiphenyl	169	9.536	9.536	(0.975)	732011	80.0000	84.72
112	Pentachloronitrobenzene	295	9.733	9.733	(0.995)	31281	80.0000	87.17 (q)
113	Pronamide	173	9.702	9.702	(0.992)	273562	80.0000	86.84
116	Disulfoton	88	9.899	9.899	(1.012)	385245	80.0000	86.45
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.014)	104803	80.0000	78.73
119	Methyl Parathion	109	10.479	10.479	(2.465)	217968	80.0000	79.65
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.132)	61159	80.0000	77.63 (q)
123	Parathion	109	11.132	11.132	(1.138)	135310	80.0000	76.84
124	Methapyrilene	58	11.308	11.308	(1.156)	549520	80.0000	90.79
125	Isodrin	193	11.515	11.515	(0.809)	98410	80.0000	83.88
129	Aramite#1	185	12.500	12.500	(0.878)	41270	80.0000	94.40
130	Aramite#2	185	12.634	12.635	(0.888)	62505	80.0000	92.90
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	355032	80.0000	79.76
132	p-Chlorobenzilate	251	12.842	12.831	(1.312)	217152	80.0000	75.12
137	2-Acetylaminofluorene	181	13.754	13.754	(0.967)	329769	80.0000	79.45
143	Benzo(j)fluoranthene	252	16.065	16.065	(0.966)	714260	80.0000	88.03
146	7,12-Dimethylbenz(a)anthracene	256	16.085	16.085	(0.967)	384673	80.0000	86.39
149	3-Methylcholanthrene	268	17.153	17.153	(1.031)	398352	80.0000	85.22
150	Dibenz(a,j)acridine	279	18.106	18.106	(1.088)	535292	80.0000	74.93
M 154	Diallate (Total)	86				352165	80.0000	84.05
M 155	Isosafrole (Total)	162				298066	80.0000	82.06
M 156	Aramite (Total)	185				103775	80.0000	82.17
M 157	3 and 4-methylphenol	108				341217	80.0000	83.10
133	Kepone	272	13.277	13.277	(0.933)	69897	80.0000	75.56
135	Famphur	218	13.318	13.308	(0.936)	198638	80.0000	77.94

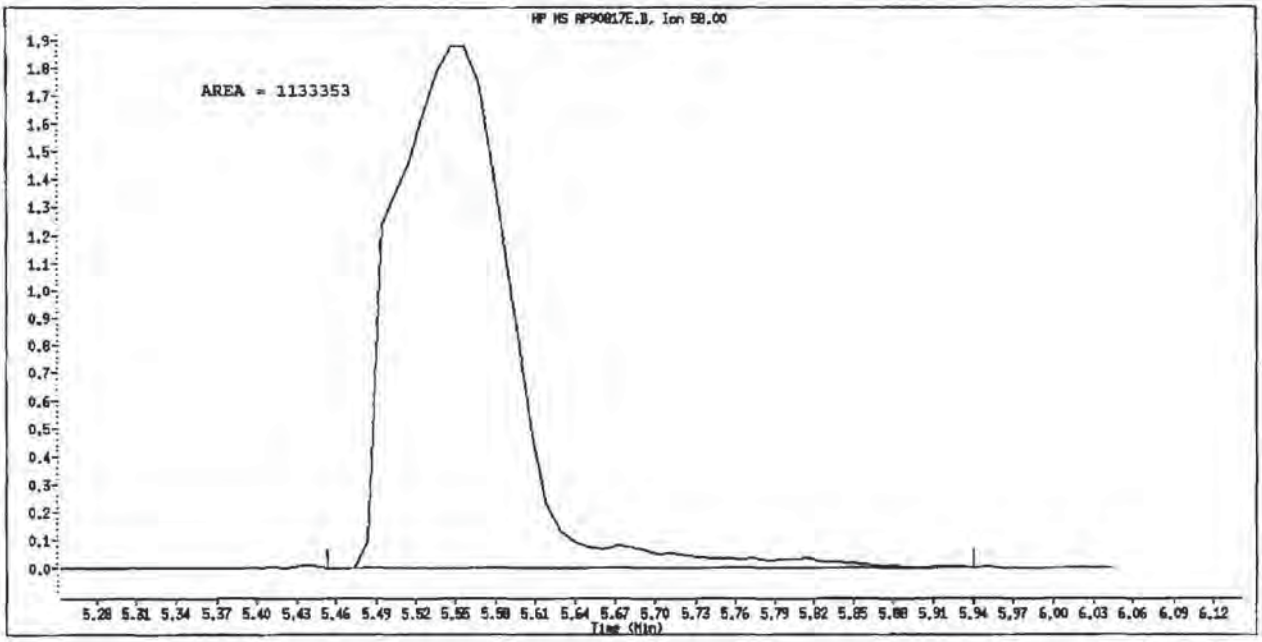
QC Flag Legend

M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: AP90817E.D
Inj. Date and Time: 17-AUG-2010 23:03
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: a-,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 08/18/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\081710.B\AP90817E.D
Lab Smp Id: AP9_080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 23:03
Operator : KT Inst ID: sv5.i
Smp Info : AP9_080 ug/ml CS-5;1;;5;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0325;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Meth Date : 18-Aug-2010 14:23 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 95 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	106085	40.0000	
* 2	Naphthalene-d8	136	5.671	5.671	(1.000)	478325	40.0000	
* 3	Acenaphthene-d10	164	7.795	7.795	(1.000)	257729	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.795	(1.000)	406526	40.0000	
* 5	Chrysene-d12	240	14.230	14.241	(1.000)	369707	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	340936	40.0000	
17	2-Picoline	93	2.562	2.562	(0.603)	340936	80.0000	80.45
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	162995	80.0000	82.99
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	132967	80.0000	79.81
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	174822	80.0000	82.48
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	237669	80.0000	81.32
20	Benzaldehyde	106	3.816	3.816	(0.898)	277938	80.0000	80.39
25	Pentachloroethane	117	3.961	3.961	(0.932)	109865	80.0000	81.20
35	Acetophenone	105	4.707	4.707	(0.830)	448560	80.0000	80.31
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	185147	80.0000	81.44
39	3-Methylphenol	108	4.696	4.707	(1.105)	341217	80.0000	82.80
40	o-Toluidine	106	4.759	4.759	(1.119)	558444	80.0000	81.60
41	n-Nitrosomorpholine	56	4.727	4.728	(1.112)	254109	80.0000	82.42
43	N-Nitrosopiperidine	42	5.069	5.069	(0.894)	258017	80.0000	79.35
48	o,o,o-TEPT	198	5.443	5.443	(0.960)	139063	80.0000	80.75
53	a-,a-Dimethylphenethylamine	58	5.557	5.536	(0.980)	1111975	80.0000	78.53
56	Hexachloropropene	213	5.847	5.847	(1.031)	135384	80.0000	82.15
58	p-Phenylenediamine	108	6.189	6.199	(1.091)	473459	80.0000	79.41
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	234736	80.0000	78.32
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	245659	80.0000	80.42
61	Safrole	162	6.427	6.427	(1.133)	251478	80.0000	78.64
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	683928	80.0000	81.57
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.769	(0.867)	216736	80.0000	80.41
68	Isosafrole#1	162	6.779	6.779	(0.870)	43919	80.0000	79.47
72	Isosafrole#2	162	7.038	7.049	(0.903)	254147	80.0000	81.72
64	1-Chloronaphthalene	162	7.132	7.132	(0.915)	560161	80.0000	80.16
62	Biphenyl	154	7.090	7.090	(0.910)	822050	80.0000	80.24
74	1,4-Naphthoquinone	158	7.308	7.318	(0.938)	237917	80.0000	77.66

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.949)	77108	80.0000	78.81
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.967)	103967	80.0000	81.69
160	1,2-Dinitrobenzene	168	7.691	7.691	(0.987)	71418	80.0000	72.46(q)
85	Pentachlorobenzene	250	8.064	8.064	(1.035)	199738	80.0000	80.49
87	1-Naphtylamine	143	8.137	8.137	(1.044)	700386	80.0000	75.62
88	2,3,4,6-Tetrachlorophenol	232	8.251	8.251	(1.058)	129800	80.0000	78.09
89	2-Naphthylamine	143	8.230	8.230	(1.056)	761168	80.0000	79.28
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.051)	121292	80.0000	77.33
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.096)	207752	80.0000	81.46
96	Thionazin	97	8.541	8.541	(1.096)	151166	80.0000	78.55
99	Diphenylamine	169	8.655	8.655	(0.885)	575796	80.0000	81.13
102	Sulfotepp	97	9.039	9.049	(0.924)	109816	80.0000	79.86
103	Diallate 1	86	9.121	9.132	(0.932)	295312	80.0000	79.89
104	1,3,5-Trinitrobenzene	120	9.080	9.090	(0.928)	27095	80.0000	85.77(q)
105	Phorate	121	9.132	9.142	(2.148)	154249	80.0000	76.47(q)
106	Diallate 2	86	9.235	9.246	(0.944)	56853	80.0000	79.84
107	Phenacetin	108	9.142	9.142	(0.934)	339352	80.0000	80.37
109	Dimethoate	87	9.381	9.381	(0.959)	251422	80.0000	79.32
111	4-Aminobiphenyl	169	9.536	9.546	(0.975)	732011	80.0000	79.18
112	Pentachloronitrobenzene	295	9.733	9.743	(0.995)	31281	80.0000	79.79
113	Pronamide	173	9.702	9.712	(0.992)	273562	80.0000	79.97
116	Disulfoton	88	9.899	9.909	(1.012)	385245	80.0000	80.82
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.014)	104803	80.0000	82.41
119	Methyl Parathion	109	10.479	10.479	(2.465)	217968	80.0000	77.72
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.132)	61159	80.0000	80.60(q)
123	Parathion	109	11.132	11.132	(1.138)	135310	80.0000	78.03
124	Methapyrilene	58	11.308	11.308	(1.156)	549520	80.0000	77.72
125	Isodrin	193	11.515	11.515	(0.809)	98410	80.0000	82.81
129	Aramite#1	185	12.500	12.500	(0.878)	41270	80.0000	82.22
130	Aramite#2	185	12.634	12.635	(0.888)	62505	80.0000	82.15
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	355032	80.0000	82.66
132	p-Chlorobenzilate	251	12.842	12.842	(1.312)	217152	80.0000	78.87
137	2-Acetylaminofluorene	181	13.754	13.764	(0.967)	329769	80.0000	85.15
143	Benzo(j)fluoranthene	252	16.065	16.075	(0.966)	714260	80.0000	84.37
146	7,12-Dimethylbenz(a)anthracene	256	16.085	16.096	(0.967)	384673	80.0000	83.90
149	3-Methylcholanthrene	268	17.153	17.163	(1.031)	398352	80.0000	82.12
150	Dibenz(a,j)acridine	279	18.106	18.117	(1.088)	535292	80.0000	82.35
M 154	Diallate (Total)	86				352165	80.0000	79.88
M 155	Isosafrole (Total)	162				298066	80.0000	81.38
M 156	Aramite (Total)	185				103775	80.0000	82.18
M 157	3 and 4-methylphenol	108				341217	80.0000	82.80
133	Kepone	272	13.277	13.287	(0.933)	69897	80.0000	74.69
135	Famphur	218	13.318	13.318	(0.936)	198638	80.0000	72.78

QC Flag Legend

q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP90817E.D
Lab Smp Id: AP9 080 ug/ml CS-5
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0325;0;8270F.M

Calibration Date: 18-AUG-2010
Calibration Time: 00:21
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	106085	-18.52
2 Naphthalene-d8	576581	288291	1153162	478325	-17.04
3 Acenaphthene-d10	314990	157495	629980	257729	-18.18
4 Phenanthrene-d10	511426	255713	1022852	406526	-20.51
5 Chrysene-d12	480980	240490	961960	369707	-23.13
6 Perylene-d12	450650	225325	901300	340936	-24.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.25	3.75	4.75	4.25	0.00
2 Naphthalene-d8	5.67	5.17	6.17	5.67	0.00
3 Acenaphthene-d10	7.79	7.29	8.29	7.80	0.13
4 Phenanthrene-d10	9.79	9.29	10.29	9.79	0.00
5 Chrysene-d12	14.23	13.73	14.73	14.23	0.00
6 Perylene-d12	16.64	16.14	17.14	16.64	0.00

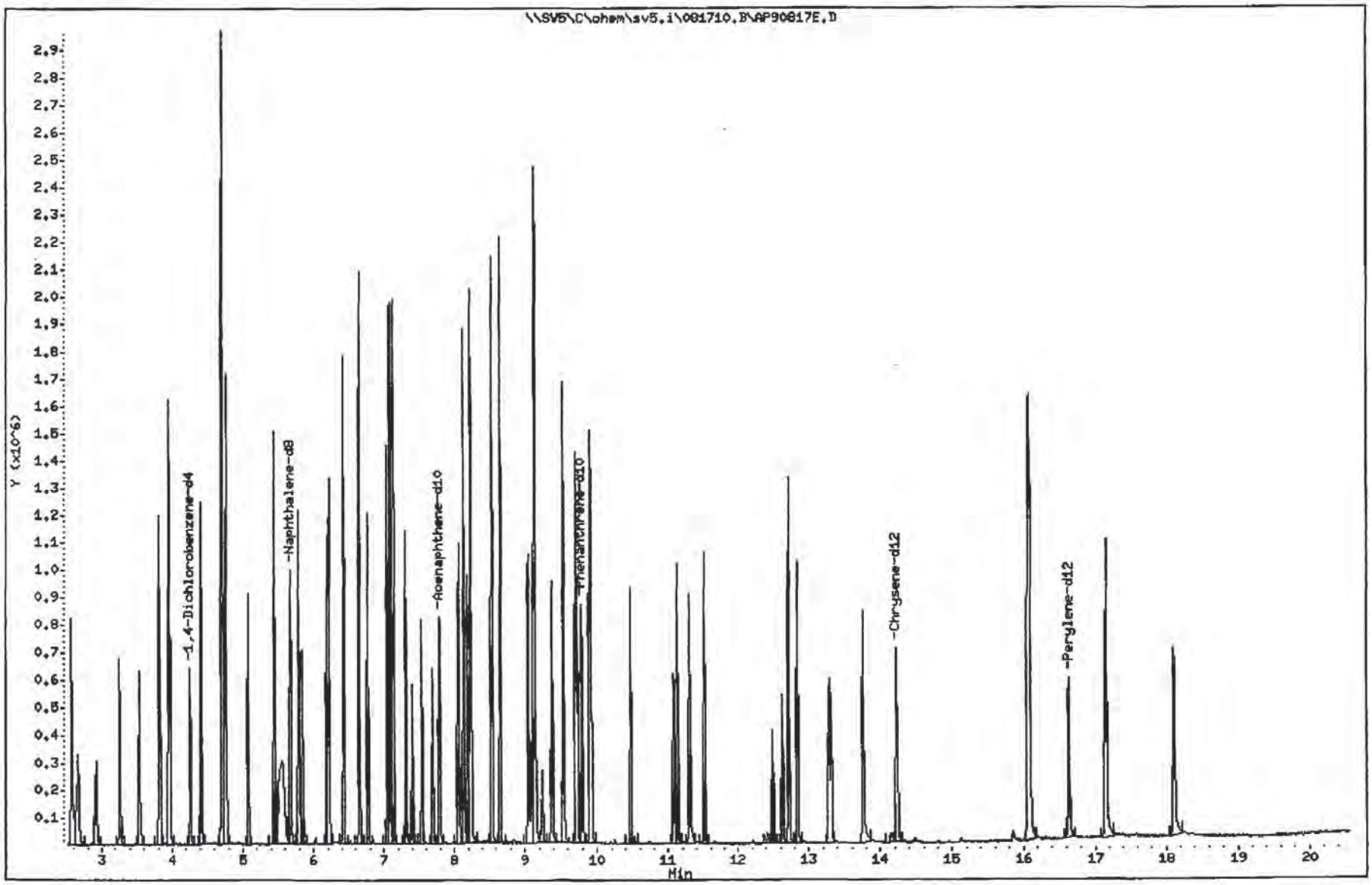
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\081710.B\AP90817E.D
Date : 17-AUG-2010 23:03
Client ID: 8270F.H
Sample Info: AP9_080 ug/ml CS-5;1;;5;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\081710.B\AP90817F.D
Lab Smp Id: AP9_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 23:29
Operator : KT Inst ID: sv5.i
Smp Info : AP9_120 ug/ml CS-6;1;;6;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0326;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:44 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 96 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	123880	40.0000	
* 2	Naphthalene-d8	136	5.671	5.670	(1.000)	573014	40.0000	
* 3	Acenaphthene-d10	164	7.795	7.785	(1.000)	314440	40.0000	
* 4	Phenanthrene-d10	188	9.795	9.785	(1.000)	498050	40.0000	
* 5	Chrysene-d12	240	14.231	14.230	(1.000)	492439	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	463744	40.0000	
17	2-Picoline	93	2.551	2.562	(0.600)	679581	120.000	131.5(M)
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	293266	120.000	125.3
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	251053	120.000	127.3
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	307799	120.000	127.4
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	426104	120.000	124.2
20	Benzaldehyde	106	3.816	3.815	(0.898)	499027	120.000	123.6
25	Pentachloroethane	117	3.961	3.961	(0.932)	201694	120.000	125.1
35	Acetophenone	105	4.707	4.707	(0.830)	799404	120.000	119.8
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	337355	120.000	128.4
39	3-Methylphenol	108	4.707	4.696	(1.107)	613435	120.000	127.9
40	o-Toluidine	106	4.759	4.759	(1.119)	993361	120.000	125.4
41	n-Nitrosomorpholine	56	4.728	4.717	(1.112)	449632	120.000	124.0
43	N-Nitrosopiperidine	42	5.070	5.069	(0.894)	467304	120.000	124.4
48	o,o,o-TEPT	198	5.443	5.442	(0.960)	243368	120.000	121.3
53	a-,a-Dimethylphenethylamine	58	5.495	5.546	(0.969)	2072564	120.000	127.4(M)
56	Hexachloropropene	213	5.847	5.847	(1.031)	252018	120.000	128.4
58	p-Phenylenediamine	108	6.189	6.189	(1.091)	861592	120.000	128.6
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	424172	120.000	125.8
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	452252	120.000	125.3
61	Safrole	162	6.427	6.427	(1.133)	452450	120.000	126.4
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	1209498	120.000	122.1
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.759	(0.867)	383780	120.000	116.1
68	Isosafrole#1	162	6.780	6.779	(0.870)	78732	120.000	116.4
72	Isosafrole#2	162	7.039	7.038	(0.903)	446843	120.000	119.0
64	1-Chloronaphthalene	162	7.132	7.132	(0.915)	998485	120.000	116.7
62	Biphenyl	154	7.090	7.080	(0.910)	1463430	120.000	116.9
74	1,4-Naphthoquinone	158	7.308	7.308	(0.938)	429444	120.000	123.2

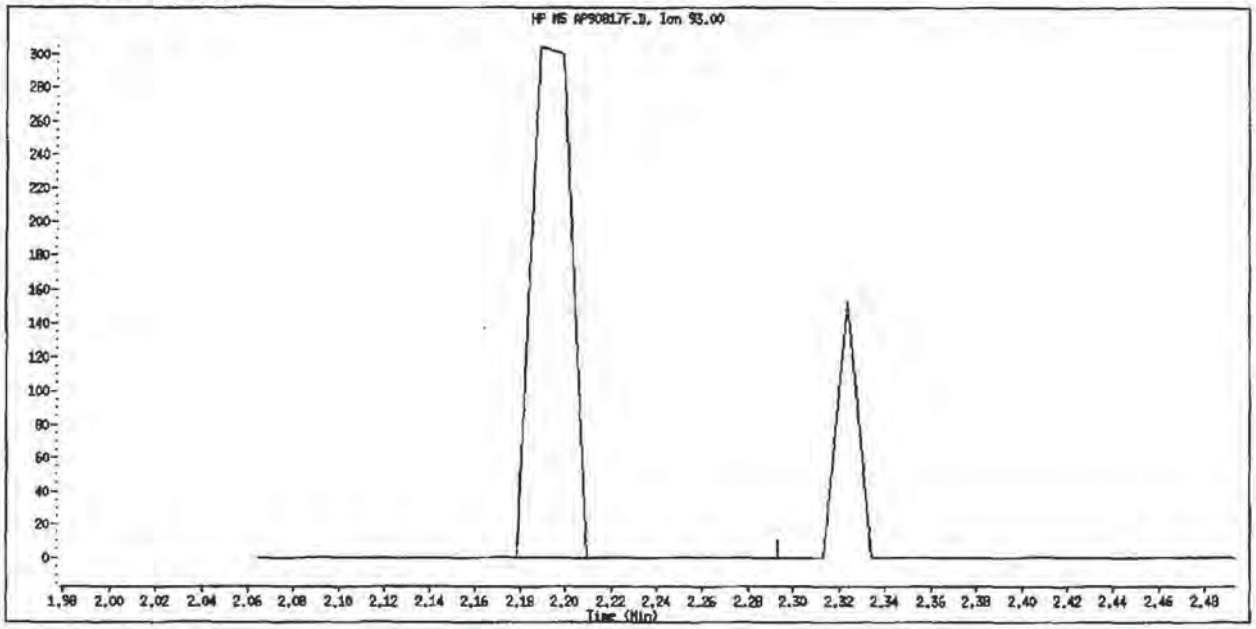
8/17/10
8/18/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.949)	161379	120.000	120.8
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.967)	198326	120.000	119.0
160	1,2-Dinitrobenzene	168	7.691	7.681	(0.987)	139932	120.000	118.2
85	Pentachlorobenzene	250	8.065	8.064	(1.035)	354761	120.000	115.5
87	1-Naphtylamine	143	8.137	8.137	(1.044)	1344404	120.000	124.7
88	2,3,4,6-Tetrachlorophenol	232	8.251	8.241	(1.058)	248879	120.000	129.6
89	2-Naphthylamine	143	8.230	8.230	(1.056)	1386678	120.000	122.9
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.051)	237736	120.000	132.2
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.096)	394711	120.000	116.2
96	Thionazin	97	8.541	8.541	(1.096)	288170	120.000	131.0
99	Diphenylamine	169	8.655	8.655	(0.884)	1046018	120.000	124.7
102	Sulfotepp	97	9.049	9.038	(0.924)	206284	120.000	130.2
103	Diallate 1	86	9.122	9.121	(0.931)	532872	120.000	124.0
104	1,3,5-Trinitrobenzene	120	9.091	9.080	(0.928)	64359	120.000	120.1
105	Phorate	121	9.132	9.132	(2.148)	294152	120.000	138.1
106	Diallate 2	86	9.236	9.235	(0.943)	103609	120.000	123.6
107	Phenacetin	108	9.153	9.142	(0.934)	666286	120.000	121.0
109	Dimethoate	87	9.381	9.380	(0.958)	447826	120.000	128.0
111	4-Aminobiphenyl	169	9.536	9.536	(0.974)	1332763	120.000	125.9
112	Pentachloronitrobenzene	295	9.733	9.733	(0.994)	57085	120.000	129.8
113	Pronamide	173	9.712	9.702	(0.992)	517165	120.000	134.0
116	Disulfoton	88	9.899	9.899	(1.011)	728738	120.000	133.5
117	2-sec-Butyl-4,6-dinitrophenol	211	9.920	9.919	(1.013)	227932	120.000	120.2
119	Methyl Parathion	109	10.479	10.479	(2.465)	406124	120.000	124.6
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.131)	151391	120.000	120.2(Q)
123	Parathion	109	11.132	11.132	(1.136)	279118	120.000	123.0
124	Methapyrilene	58	11.308	11.308	(1.154)	969435	120.000	130.7
125	Isodrin	193	11.515	11.515	(0.809)	186431	120.000	119.3
129	Aramite#1	185	12.500	12.500	(0.878)	86040	120.000	147.8
130	Aramite#2	185	12.635	12.635	(0.888)	129954	120.000	145.0
131	p-Dimthylaminoazobenzene	120	12.718	12.717	(0.894)	700077	120.000	116.5
132	p-Chlorobenzilate	251	12.842	12.831	(1.311)	442699	120.000	121.9
137	2-Acetylaminofluorene	181	13.764	13.754	(0.967)	726257	120.000	120.9
143	Benzo(j)fluoranthene	252	16.075	16.065	(0.966)	1440293	120.000	130.5
146	7,12-Dimethylbenz(a)anthracene	256	16.096	16.085	(0.968)	771880	120.000	127.4
149	3-Methylcholanthrene	268	17.163	17.153	(1.032)	848711	120.000	133.5
150	Dibenz(a,j)acridine	279	18.117	18.106	(1.089)	1193474	120.000	119.8
M 154	Diallate (Total)	86				636481	120.000	124.0
M 155	Isosafrole (Total)	162				525575	120.000	118.6
M 156	Aramite (Total)	185				215994	120.000	128.4
M 157	3 and 4-methylphenol	108				613435	120.000	127.9
133	Kepone	272	13.277	13.277	(0.933)	92662	120.000	75.20
135	Famphur	218	13.319	13.308	(0.936)	232053	120.000	68.36

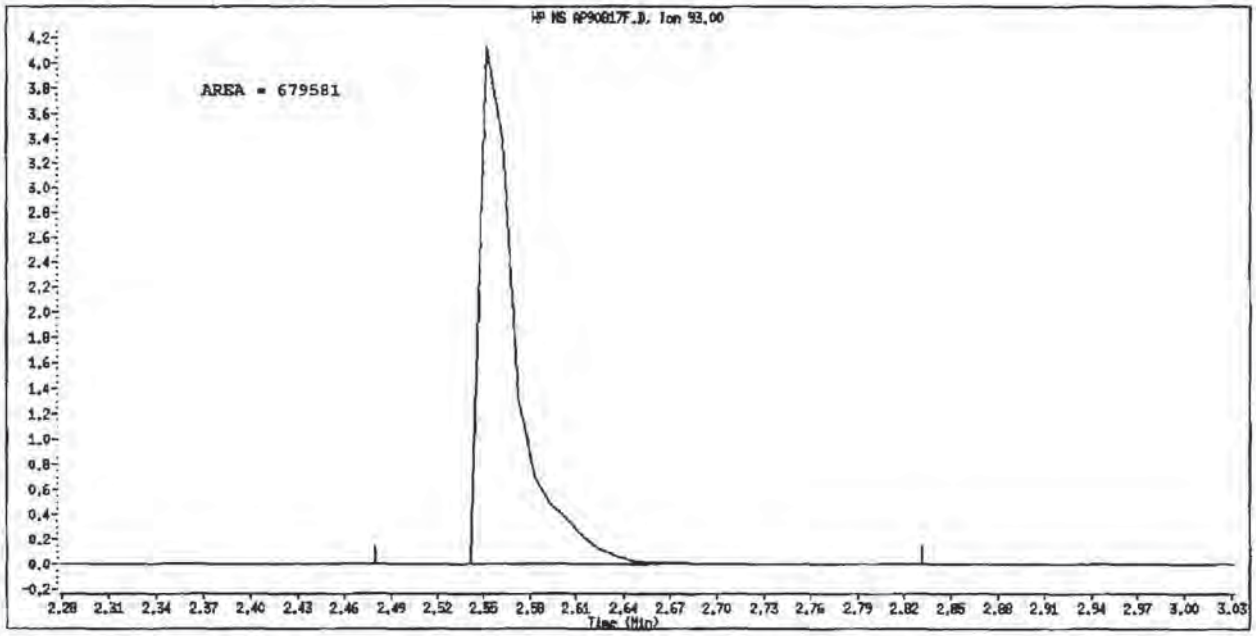
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: AP90817F.D
Inj. Date and Time: 17-AUG-2010 23:29
Instrument ID: gv5.i
Client ID: 8270F.M
Compound Name: 2-Picoline
CAS #: 109-06-8
Report Date: 08/18/2010



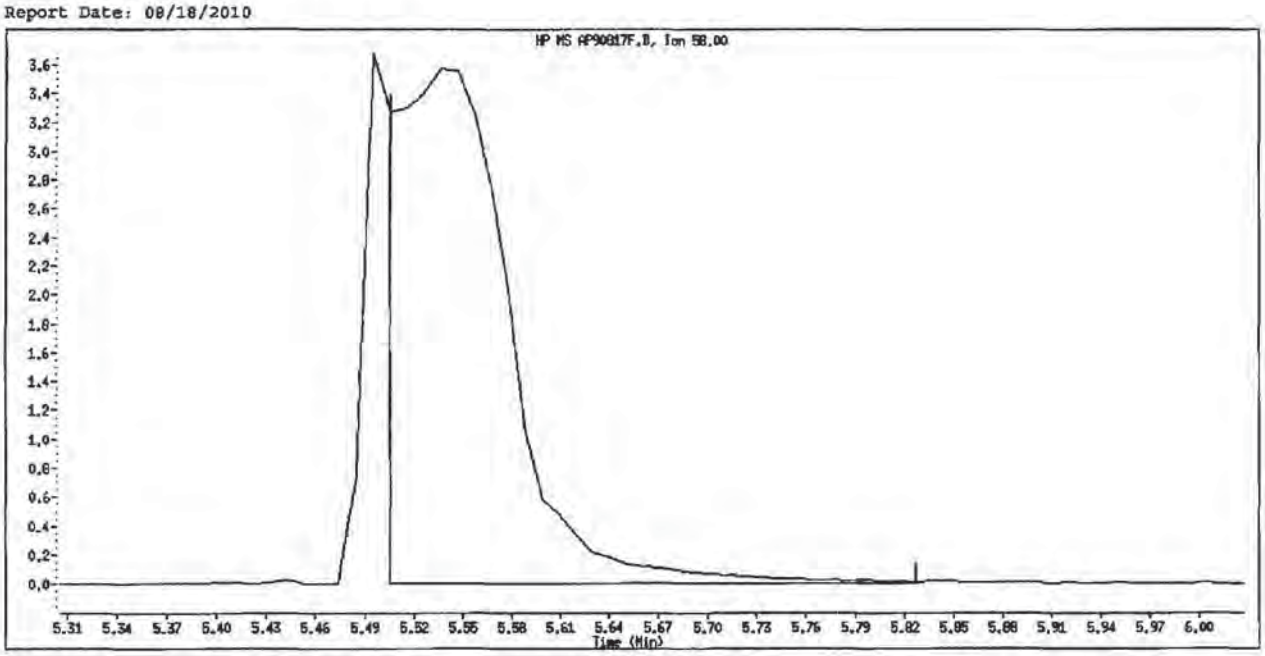
Original Integration



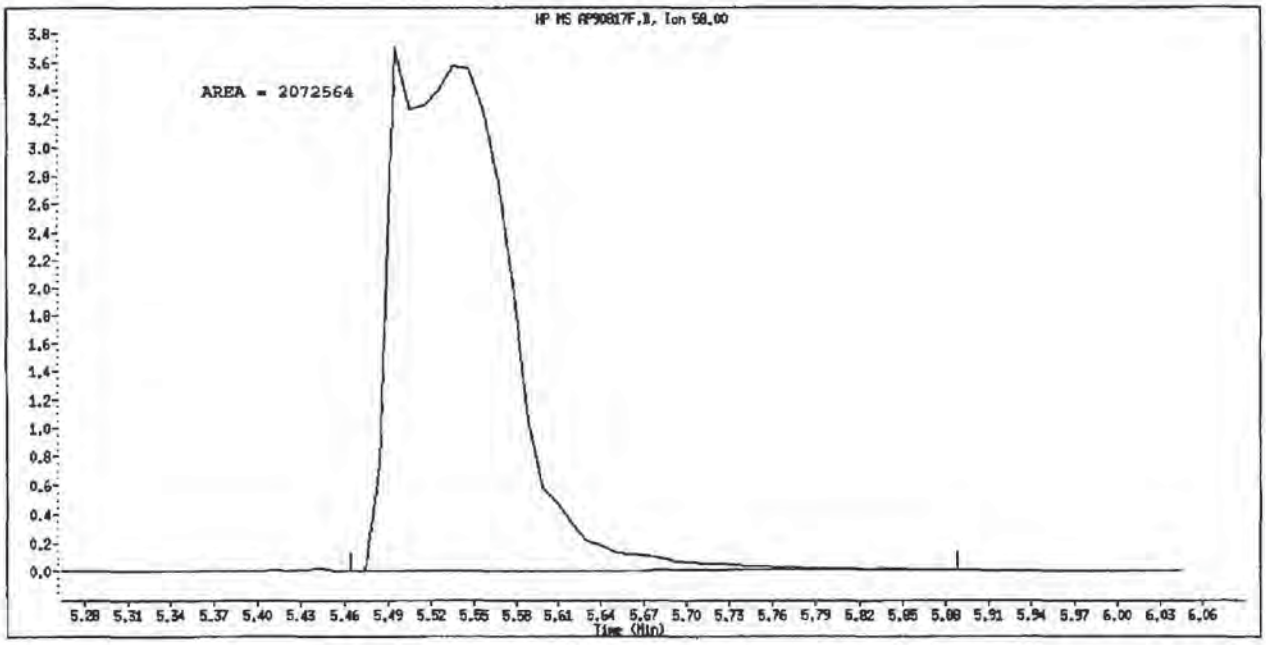
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Peak Not Found

Data File Name: AP90817F.D
Inj. Date and Time: 17-AUG-2010 23:29
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: a-,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 08/18/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\081710.B\AP90817F.D
Lab Smp Id: AP9_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 23:29
Operator : KT Inst ID: sv5.i
Smp Info : AP9_120 ug/ml CS-6;1;;6;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0326;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Meth Date : 18-Aug-2010 14:23 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 96 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	123880	40.0000	(q)
* 2	Naphthalene-d8	136	5.671	5.671	(1.000)	573014	40.0000	
* 3	Acenaphthene-d10	164	7.795	7.795	(1.000)	314440	40.0000	
* 4	Phenanthrene-d10	188	9.795	9.795	(1.000)	498050	40.0000	
* 5	Chrysene-d12	240	14.231	14.241	(1.000)	492439	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	463744	40.0000	
17	2-Picoline	93	2.189	2.562	(0.515)	376	120.000	0.07598(Q)
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	293266	120.000	127.9
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	251053	120.000	129.0
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	307799	120.000	124.4
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	426104	120.000	124.8
20	Benzaldehyde	106	3.816	3.816	(0.898)	499027	120.000	123.6
25	Pentachloroethane	117	3.961	3.961	(0.932)	201694	120.000	127.6
35	Acetophenone	105	4.707	4.707	(0.830)	799404	120.000	119.5
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	337355	120.000	127.1
39	3-Methylphenol	108	4.707	4.707	(1.107)	613435	120.000	127.5
40	o-Toluidine	106	4.759	4.759	(1.119)	993381	120.000	124.3
41	n-Nitrosomorpholine	56	4.728	4.728	(1.112)	449632	120.000	124.9
43	N-Nitrosopiperidine	42	5.070	5.069	(0.894)	467304	120.000	120.0
48	o,o,o-TEPT	198	5.443	5.443	(0.960)	243368	120.000	118.0
53	a-,a-Dimethylphenethylamine	58	5.536	5.536	(0.976)	1698745	120.000	100.1
56	Hexachloropropene	213	5.847	5.847	(1.031)	252018	120.000	127.6
58	p-Phenylenediamine	108	6.189	6.199	(1.091)	861592	120.000	120.6
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	424172	120.000	118.1
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	452252	120.000	123.6
61	Safrole	162	6.427	6.427	(1.133)	452450	120.000	118.1
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	1209498	120.000	120.4
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.769	(0.867)	383780	120.000	116.7
68	Isosafrole#1	162	6.780	6.779	(0.870)	78732	120.000	116.8
72	Isosafrole#2	162	7.039	7.049	(0.903)	446843	120.000	117.8
64	1-Chloronaphthalene	162	7.132	7.132	(0.915)	998485	120.000	117.1
62	Biphenyl	154	7.090	7.090	(0.910)	1463430	120.000	117.1
74	1,4-Naphthoquinone	158	7.308	7.318	(0.938)	429444	120.000	114.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.949)	161379	120.000	135.2
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.967)	198326	120.000	127.7
160	1,2-Dinitrobenzene	168	7.691	7.691	(0.987)	139932	120.000	116.4
85	Pentachlorobenzene	250	8.065	8.064	(1.035)	354761	120.000	117.2
87	1-Naphtylamine	143	8.137	8.137	(1.044)	1344404	120.000	119.0
88	2,3,4,6-Tetrachlorophenol	232	8.251	8.251	(1.058)	248879	120.000	122.7
89	2-Naphthylamine	143	8.230	8.230	(1.056)	1386678	120.000	118.4
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.051)	237736	120.000	124.2
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.096)	394711	120.000	126.9
96	Thionazin	97	8.541	8.541	(1.096)	288170	120.000	122.7
99	Diphenylamine	169	8.655	8.655	(0.884)	1046018	120.000	120.3
102	Sulfotepp	97	9.049	9.049	(0.924)	206284	120.000	122.4
103	Diallate 1	86	9.122	9.132	(0.931)	532872	120.000	117.7
104	1,3,5-Trinitrobenzene	120	9.091	9.090	(0.928)	64359	120.000	166.3 (AQ)
105	Phorate	121	9.132	9.142	(2.148)	294152	120.000	124.9
106	Diallate 2	86	9.236	9.246	(0.943)	103609	120.000	118.8
107	Phenacetin	108	9.153	9.142	(0.934)	666286	120.000	128.8
109	Dimethoate	87	9.381	9.381	(0.958)	447826	120.000	115.3
111	4-Aminobiphenyl	169	9.536	9.546	(0.974)	1332763	120.000	117.7
112	Pentachloronitrobenzene	295	9.733	9.743	(0.994)	57085	120.000	118.8
113	Pronamide	173	9.712	9.712	(0.992)	517165	120.000	123.4
116	Disulfoton	88	9.899	9.909	(1.011)	728738	120.000	124.8
117	2-sec-Butyl-4,6-dinitrophenol	211	9.920	9.919	(1.013)	227932	120.000	146.3
119	Methyl Parathion	109	10.479	10.479	(2.465)	406124	120.000	124.0
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.131)	151391	120.000	162.8 (AQ)
123	Parathion	109	11.132	11.132	(1.136)	279118	120.000	131.4
124	Methapyrilene	58	11.308	11.308	(1.154)	969435	120.000	111.9
125	Isodrin	193	11.515	11.515	(0.809)	186431	120.000	117.8
129	Aramite#1	185	12.500	12.500	(0.878)	86040	120.000	128.7
130	Aramite#2	185	12.635	12.635	(0.888)	129954	120.000	128.2
131	p-Dimthylaminoazobenzene	120	12.718	12.717	(0.894)	700077	120.000	122.4
132	p-Chlorobenzilate	251	12.842	12.842	(1.311)	442699	120.000	131.2
137	2-Acetylaminofluorene	181	13.764	13.764	(0.967)	726257	120.000	140.8
143	Benzo(j)fluoranthene	252	16.075	16.075	(0.966)	1440293	120.000	125.1
146	7,12-Dimethylbenz(a)anthracene	256	16.096	16.096	(0.968)	771880	120.000	123.8
149	3-Methylcholanthrene	268	17.163	17.163	(1.032)	848711	120.000	128.6
150	Dibenz(a,j)acridine	279	18.117	18.117	(1.089)	1193474	120.000	135.0
M 154	Diallate (Total)	86				636481	120.000	117.8
M 155	Isosafrole (Total)	162				525575	120.000	117.6
M 156	Aramite (Total)	185				215994	120.000	128.4
M 157	3 and 4-methylphenol	108				613435	120.000	127.5
133	Kepone	272	13.277	13.287	(0.933)	92662	120.000	74.34
135	Famphur	218	13.319	13.318	(0.936)	232053	120.000	63.83

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP90817F.D
Lab Smp Id: AP9_120 ug/ml CS-6
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0326;0;8270F.M

Calibration Date: 18-AUG-2010
Calibration Time: 00:21
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	123880	-4.85
2 Naphthalene-d8	576581	288291	1153162	573014	-0.62
3 Acenaphthene-d10	314990	157495	629980	314440	-0.17
4 Phenanthrene-d10	511426	255713	1022852	498050	-2.62
5 Chrysene-d12	480980	240490	961960	492439	2.38
6 Perylene-d12	450650	225325	901300	463744	2.91

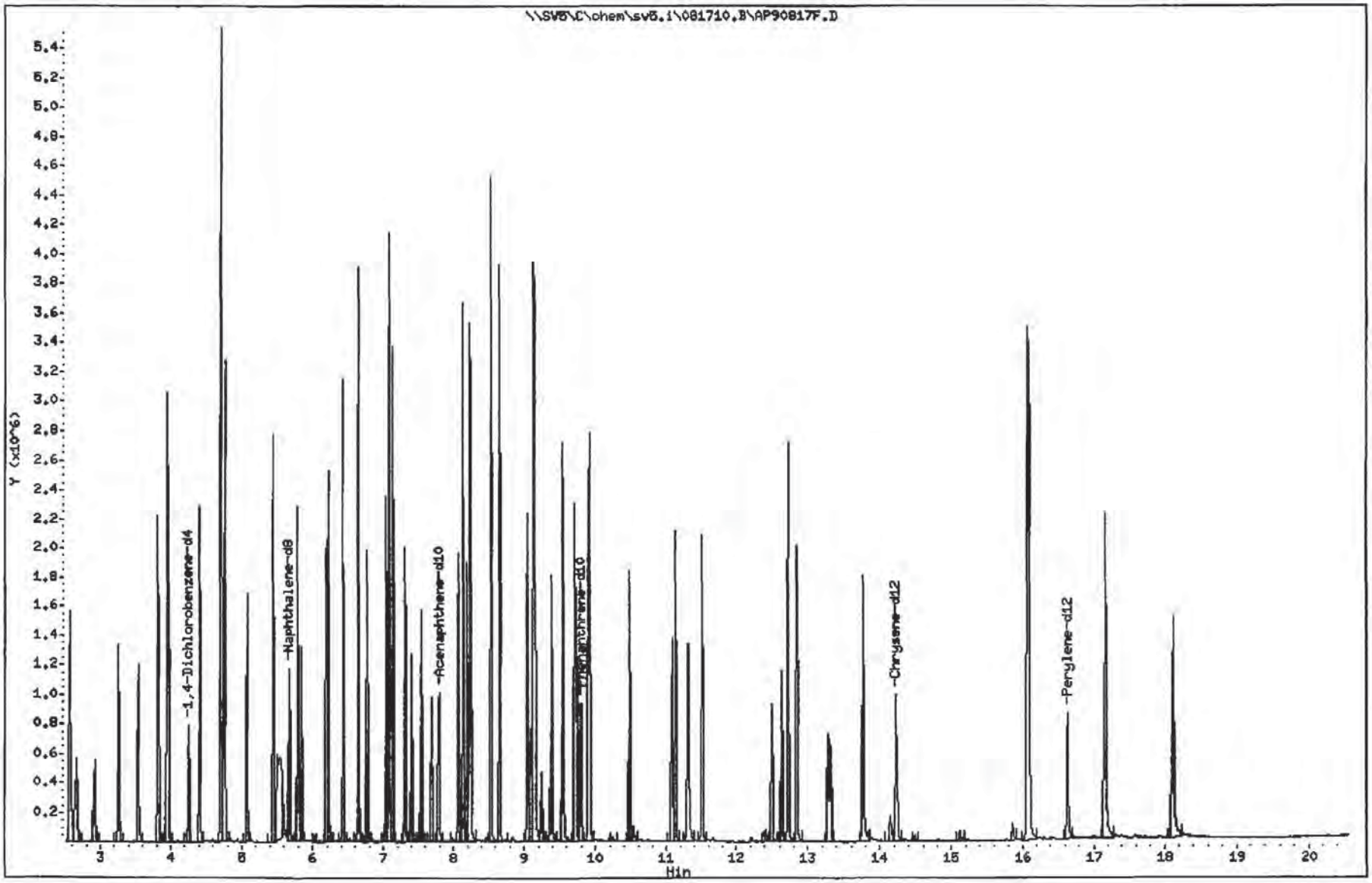
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.25	3.75	4.75	4.25	0.01
2 Naphthalene-d8	5.67	5.17	6.17	5.67	0.00
3 Acenaphthene-d10	7.79	7.29	8.29	7.80	0.14
4 Phenanthrene-d10	9.79	9.29	10.29	9.80	0.11
5 Chrysene-d12	14.23	13.73	14.73	14.23	0.00
6 Perylene-d12	16.64	16.14	17.14	16.64	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: \\SV5\C\chem\sv5.i\081710.B\AP90817F.D
Date : 17-AUG-2010 23:29
Client ID: 8270F.M
Sample Info: AP9_120 ug/ml CS-6;1;;6;;;;;4

Instrument: sv5.i
Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\081710.B\AP90817G.D
Lab Smp Id: AP9_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 23:55
Operator : KT Inst ID: sv5.i
Smp Info : AP9_160 ug/ml CS-7;1;;7;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0327;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:44 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 97 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	132373	40.0000	
* 2	Naphthalene-d8	136	5.671	5.670	(1.000)	584936	40.0000	
* 3	Acenaphthene-d10	164	7.795	7.785	(1.000)	311083	40.0000	
* 4	Phenanthrene-d10	188	9.795	9.785	(1.000)	509501	40.0000	
* 5	Chrysene-d12	240	14.230	14.230	(1.000)	471878	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	455183	40.0000	
17	2-Picoline	93	2.551	2.562	(0.600)	913083	160.000	165.4(A)
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	410861	160.000	164.3(A)
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	347598	160.000	165.0(A)
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	433824	160.000	168.1(A)
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	604716	160.000	164.9(A)
20	Benzaldehyde	106	3.816	3.815	(0.898)	691727	160.000	160.3(A)
25	Pentachloroethane	117	3.961	3.961	(0.932)	281557	160.000	163.4(A)
35	Acetophenone	105	4.717	4.707	(0.832)	1117951	160.000	164.1(A)
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	459673	160.000	163.7(A)
39	3-Methylphenol	108	4.707	4.696	(1.107)	871913	160.000	170.2(A)
40	o-Toluidine	106	4.759	4.759	(1.119)	1377189	160.000	162.7(A)
41	n-Nitrosomorpholine	56	4.728	4.717	(1.112)	629674	160.000	162.5(A)
43	N-Nitrosopiperidine	42	5.069	5.069	(0.894)	639946	160.000	166.8(A)
48	o,o,o-TEPT	198	5.443	5.442	(0.960)	345544	160.000	168.7(A)
53	a-,a-Dimethylphenethylamine	58	5.494	5.546	(0.969)	2911408	160.000	175.3(AM)
56	Hexachloropropene	213	5.847	5.847	(1.031)	362185	160.000	180.7(A)
58	p-Phenylenediamine	108	6.199	6.189	(1.093)	1192785	160.000	174.5(A)
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	595409	160.000	173.0(A)
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	620007	160.000	168.2(A)
61	Safrole	162	6.427	6.427	(1.133)	621354	160.000	170.0(A)
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	1662792	160.000	164.4(A)
67	1,2,4,5-Tetrachlorobenzene	216	6.769	6.759	(0.868)	524062	160.000	160.2(A)
68	Isosafrole#1	162	6.779	6.779	(0.870)	110345	160.000	164.9(A)
72	Isosafrole#2	162	7.049	7.038	(0.904)	639768	160.000	172.2(A)
64	1-Chloronaphthalene	162	7.132	7.132	(0.915)	1375390	160.000	162.5(A)
62	Biphenyl	154	7.090	7.080	(0.910)	2036780	160.000	164.5(A)
74	1,4-Naphthoquinone	158	7.318	7.308	(0.939)	598698	160.000	173.6(A)

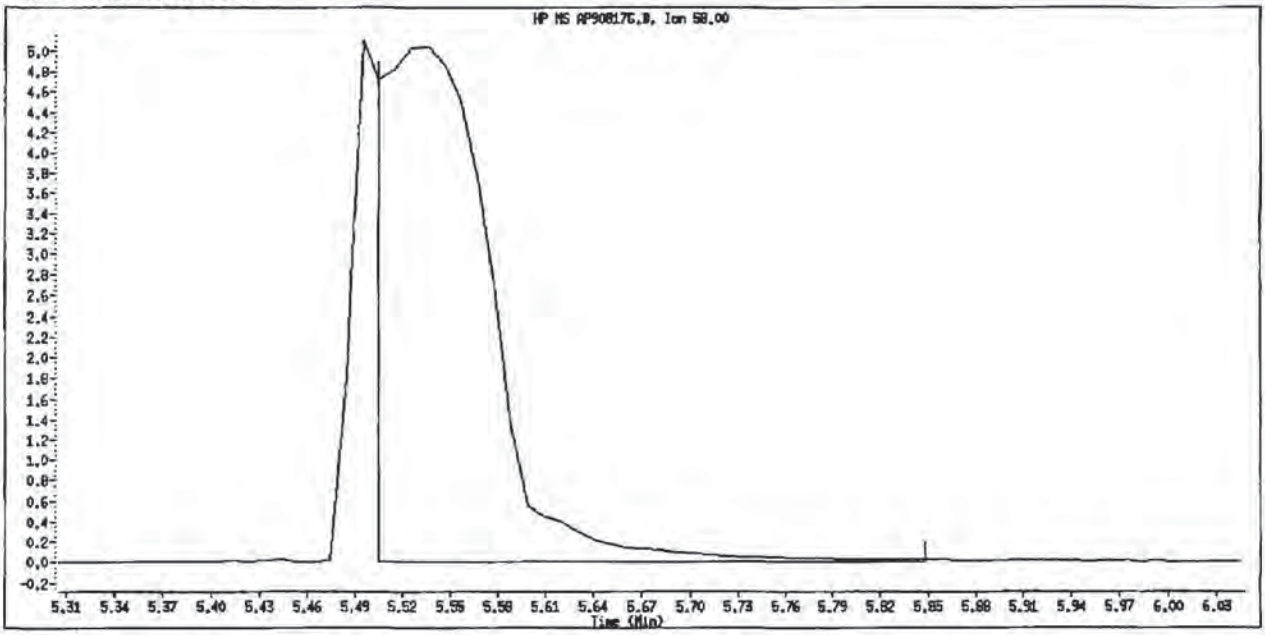
8/17/10
8/18/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.949)	238416	160.000	159.8
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.967)	278281	160.000	160.4(A)
160	1,2-Dinitrobenzene	168	7.691	7.681	(0.987)	200992	160.000	160.9(A)
85	Pentachlorobenzene	250	8.064	8.064	(1.035)	496784	160.000	163.4(A)
87	1-Naphtylamine	143	8.137	8.137	(1.044)	1863136	160.000	174.6(A)
88	2,3,4,6-Tetrachlorophenol	232	8.251	8.241	(1.058)	333082	160.000	175.4(A)
89	2-Naphthylamine	143	8.230	8.230	(1.056)	1913597	160.000	171.4(A)
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.051)	328839	160.000	184.8(A)
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.096)	559816	160.000	164.5(A)
96	Thionazin	97	8.541	8.541	(1.096)	402553	160.000	185.0(A)
99	Diphenylamine	169	8.655	8.655	(0.884)	1433982	160.000	167.0(A)
102	Sulfotepp	97	9.049	9.038	(0.924)	285883	160.000	176.5(A)
103	Diallate 1	86	9.121	9.121	(0.931)	740415	160.000	168.5(A)
104	1,3,5-Trinitrobenzene	120	9.090	9.080	(0.928)	92123	160.000	132.0(q)
105	Phorate	121	9.142	9.132	(2.151)	400409	160.000	175.9(A)
106	Diallate 2	86	9.246	9.235	(0.944)	143247	160.000	167.1(A)
107	Phenacetin	108	9.153	9.142	(0.934)	913620	160.000	161.0(A)
109	Dimethoate	87	9.381	9.380	(0.958)	607596	160.000	169.8(A)
111	4-Aminobiphenyl	169	9.546	9.536	(0.975)	1846226	160.000	170.5(A)
112	Pentachloronitrobenzene	295	9.733	9.733	(0.994)	79287	160.000	176.3(A)
113	Pronamide	173	9.712	9.702	(0.992)	700984	160.000	177.5(A)
116	Disulfoton	88	9.909	9.899	(1.012)	999486	160.000	179.0(A)
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.013)	339483	160.000	148.2
119	Methyl Parathion	109	10.479	10.479	(2.465)	546638	160.000	155.9
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.131)	224332	160.000	131.3(Q)
123	Parathion	109	11.132	11.132	(1.136)	380290	160.000	158.8
124	Methapyrilene	58	12.318	11.308	(1.156)	1165018	160.000	153.6
125	Isodrin	193	11.515	11.515	(0.809)	258980	160.000	173.0(A)
129	Aramite#1	185	12.500	12.500	(0.878)	118111	160.000	211.7(A)
130	Aramite#2	185	12.635	12.635	(0.888)	175963	160.000	204.9(A)
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	945178	160.000	162.7(A)
132	p-Chlorobenzilate	251	12.842	12.831	(1.311)	603274	160.000	160.9(A)
137	2-Acetylaminofluorene	181	13.764	13.754	(0.967)	999495	160.000	159.6
143	Benzo(j)fluoranthene	252	16.075	16.065	(0.966)	1906394	160.000	176.0(A)
146	7,12-Dimethylbenz(a)anthracene	256	16.096	16.085	(0.968)	1019516	160.000	171.5(A)
149	3-Methylcholanthrene	268	17.163	17.153	(1.032)	1177611	160.000	188.7(A)
150	Dibenz(a,j)acridine	279	18.127	18.106	(1.090)	1612109	160.000	163.0(A)
M 154	Diallate (Total)	86				883662	160.000	168.3
M 155	Isosafrole (Total)	162				750113	160.000	171.1
M 156	Aramite (Total)	185				294074	160.000	182.4
M 157	3 and 4-methylphenol	108				871913	160.000	170.2
133	Kepone	272	13.277	13.277	(0.933)	78354	160.000	66.36
135	Famphur	218	13.318	13.308	(0.936)	202456	160.000	62.24

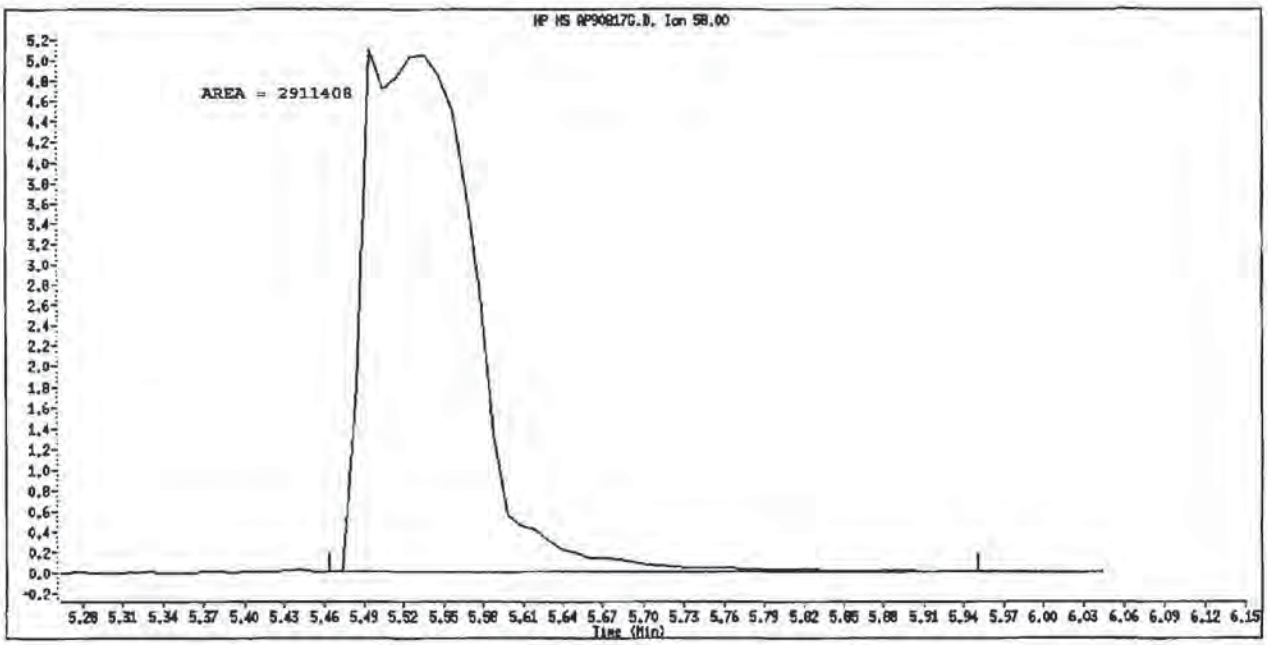
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: AP90817G.D
Inj. Date and Time: 17-AUG-2010 23:55
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: a-,a-Dimethylphenethylamine
CAS #: 122-09-8
Report Date: 08/18/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\081710.B\AP90817G.D
Lab Smp Id: AP9_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 17-AUG-2010 23:55
Operator : KT Inst ID: sv5.i
Smp Info : AP9_160 ug/ml CS-7;1;;7;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0327;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Meth Date : 18-Aug-2010 14:23 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 97 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	132373	40.0000	
* 2	Naphthalene-d8	136	5.671	5.671	(1.000)	584936	40.0000	
* 3	Acenaphthene-d10	164	7.795	7.795	(1.000)	311083	40.0000	
* 4	Phenanthrene-d10	188	9.795	9.795	(1.000)	509501	40.0000	
* 5	Chrysene-d12	240	14.230	14.241	(1.000)	471878	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	455183	40.0000	
17	2-Picoline	93	2.551	2.562	(0.600)	913083	160.000	172.7(A)
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	410861	160.000	167.6(A)
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	347598	160.000	167.2(A)
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	433824	160.000	164.0(A)
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	604716	160.000	165.8(A)
20	Benzaldehyde	106	3.816	3.816	(0.898)	691727	160.000	160.3(A)
25	Pentachloroethane	117	3.961	3.961	(0.932)	281557	160.000	166.8(A)
35	Acetophenone	105	4.717	4.707	(0.832)	1117951	160.000	163.7(A)
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	459673	160.000	162.0(A)
39	3-Methylphenol	108	4.707	4.707	(1.107)	871913	160.000	169.6(A)
40	o-Toluidine	106	4.759	4.759	(1.119)	1377189	160.000	161.3(A)
41	n-Nitrosomorpholine	56	4.728	4.728	(1.112)	629674	160.000	163.7(A)
43	N-Nitrosopiperidine	42	5.069	5.069	(0.894)	639946	160.000	160.9(A)
48	o,o,o-TEPT	198	5.443	5.443	(0.960)	345544	160.000	164.1(A)
53	a-,a-Dimethylphenethylamine	58	5.536	5.536	(0.976)	2343454	160.000	135.3
56	Hexachloropropene	213	5.847	5.847	(1.031)	362185	160.000	179.7(A)
58	p-Phenylenediamine	108	6.199	6.199	(1.093)	1192785	160.000	163.6(A)
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	595409	160.000	162.5(A)
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	620007	160.000	166.0(A)
61	Safrole	162	6.427	6.427	(1.133)	621354	160.000	158.9
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	1662792	160.000	162.2(A)
67	1,2,4,5-Tetrachlorobenzene	216	6.769	6.769	(0.868)	524062	160.000	161.1(A)
68	Isosafrole#1	162	6.779	6.779	(0.870)	110345	160.000	165.4(A)
72	Isosafrole#2	162	7.049	7.049	(0.904)	639768	160.000	170.4(A)
64	1-Chloronaphthalene	162	7.132	7.132	(0.915)	1375390	160.000	163.0(A)
62	Biphenyl	154	7.090	7.090	(0.910)	2036780	160.000	164.7(A)
74	1,4-Naphthoquinone	158	7.318	7.318	(0.939)	598698	160.000	161.9(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.949)	238416	160.000	201.9(A)
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.967)	278281	160.000	181.1(A)
160	1,2-Dinitrobenzene	168	7.691	7.691	(0.987)	200992	160.000	168.9(A)
85	Pentachlorobenzene	250	8.064	8.064	(1.035)	496784	160.000	165.9(A)
87	1-Naphtylamine	143	8.137	8.137	(1.044)	1863136	160.000	166.6(A)
88	2,3,4,6-Tetrachlorophenol	232	8.251	8.251	(1.058)	333082	160.000	166.0(A)
89	2-Naphthylamine	143	8.230	8.230	(1.056)	1913597	160.000	165.1(A)
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.051)	328839	160.000	173.7(A)
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.096)	559816	160.000	181.9(A)
96	Thionazin	97	8.541	8.541	(1.096)	402553	160.000	173.3(A)
99	Diphenylamine	169	8.655	8.655	(0.884)	1433982	160.000	161.2(A)
102	Sulfotepp	97	9.049	9.049	(0.924)	285883	160.000	165.9(A)
103	Diallate 1	86	9.121	9.132	(0.931)	740415	160.000	159.8
104	1,3,5-Trinitrobenzene	120	9.090	9.090	(0.928)	92123	160.000	232.7(AQ)
105	Phorate	121	9.142	9.142	(2.151)	400409	160.000	159.1
106	Diallate 2	86	9.246	9.246	(0.944)	143247	160.000	160.5(A)
107	Phenacetin	108	9.153	9.142	(0.934)	913620	160.000	172.6(A)
109	Dimethoate	87	9.381	9.381	(0.958)	607596	160.000	152.9
111	4-Aminobiphenyl	169	9.546	9.546	(0.975)	1846226	160.000	159.3
112	Pentachloronitrobenzene	295	9.733	9.743	(0.994)	79287	160.000	161.4(A)
113	Pronamide	173	9.712	9.712	(0.992)	700984	160.000	163.5(A)
116	Disulfoton	88	9.909	9.909	(1.012)	999486	160.000	167.3(A)
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.013)	339483	160.000	213.0(A)
119	Methyl Parathion	109	10.479	10.479	(2.465)	546638	160.000	156.2
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.131)	224332	160.000	235.9(AQ)
123	Parathion	109	11.132	11.132	(1.136)	380290	160.000	175.0(A)
124	Methapyrilene	58	11.318	11.308	(1.156)	1165018	160.000	131.5
125	Isodrin	193	11.515	11.515	(0.809)	258980	160.000	170.7(A)
129	Aramite#1	185	12.500	12.500	(0.878)	118111	160.000	184.3(A)
130	Aramite#2	185	12.635	12.635	(0.888)	175963	160.000	181.2(A)
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	945178	160.000	172.4(A)
132	p-Chlorobenzilate	251	12.842	12.842	(1.311)	603274	160.000	174.8(A)
137	2-Acetylaminofluorene	181	13.764	13.764	(0.967)	999495	160.000	202.2(A)
143	Benzo(j)fluoranthene	252	16.075	16.075	(0.966)	1906394	160.000	168.7(A)
146	7,12-Dimethylbenz(a)anthracene	256	16.096	16.096	(0.968)	1019516	160.000	166.6(A)
149	3-Methylcholanthrene	268	17.163	17.163	(1.032)	1177611	160.000	181.8(A)
150	Dibenz(a,j)acridine	279	18.127	18.117	(1.090)	1612109	160.000	185.8(A)
M 154	Diallate (Total)	86				883662	160.000	159.9
M 155	Isosafrole (Total)	162				750113	160.000	169.7
M 156	Aramite (Total)	185				294074	160.000	182.4
M 157	3 and 4-methylphenol	108				871913	160.000	169.6
133	Kepone	272	13.277	13.287	(0.933)	78354	160.000	65.60
135	Famphur	218	13.318	13.318	(0.936)	202456	160.000	58.11

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP90817G.D
Lab Smp Id: AP9_160 ug/ml CS-7
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0327;0;8270F.M

Calibration Date: 18-AUG-2010
Calibration Time: 00:21
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	132373	1.68
2 Naphthalene-d8	576581	288291	1153162	584936	1.45
3 Acenaphthene-d10	314990	157495	629980	311083	-1.24
4 Phenanthrene-d10	511426	255713	1022852	509501	-0.38
5 Chrysene-d12	480980	240490	961960	471878	-1.89
6 Perylene-d12	450650	225325	901300	455183	1.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.25	3.75	4.75	4.25	0.00
2 Naphthalene-d8	5.67	5.17	6.17	5.67	0.00
3 Acenaphthene-d10	7.79	7.29	8.29	7.80	0.13
4 Phenanthrene-d10	9.79	9.29	10.29	9.80	0.11
5 Chrysene-d12	14.23	13.73	14.73	14.23	0.00
6 Perylene-d12	16.64	16.14	17.14	16.64	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: \\SV5\C\ohem\sv5.i\081710.B\AP90817G.D

Date : 17-AUG-2010 23:55

Client ID: 8270F.M

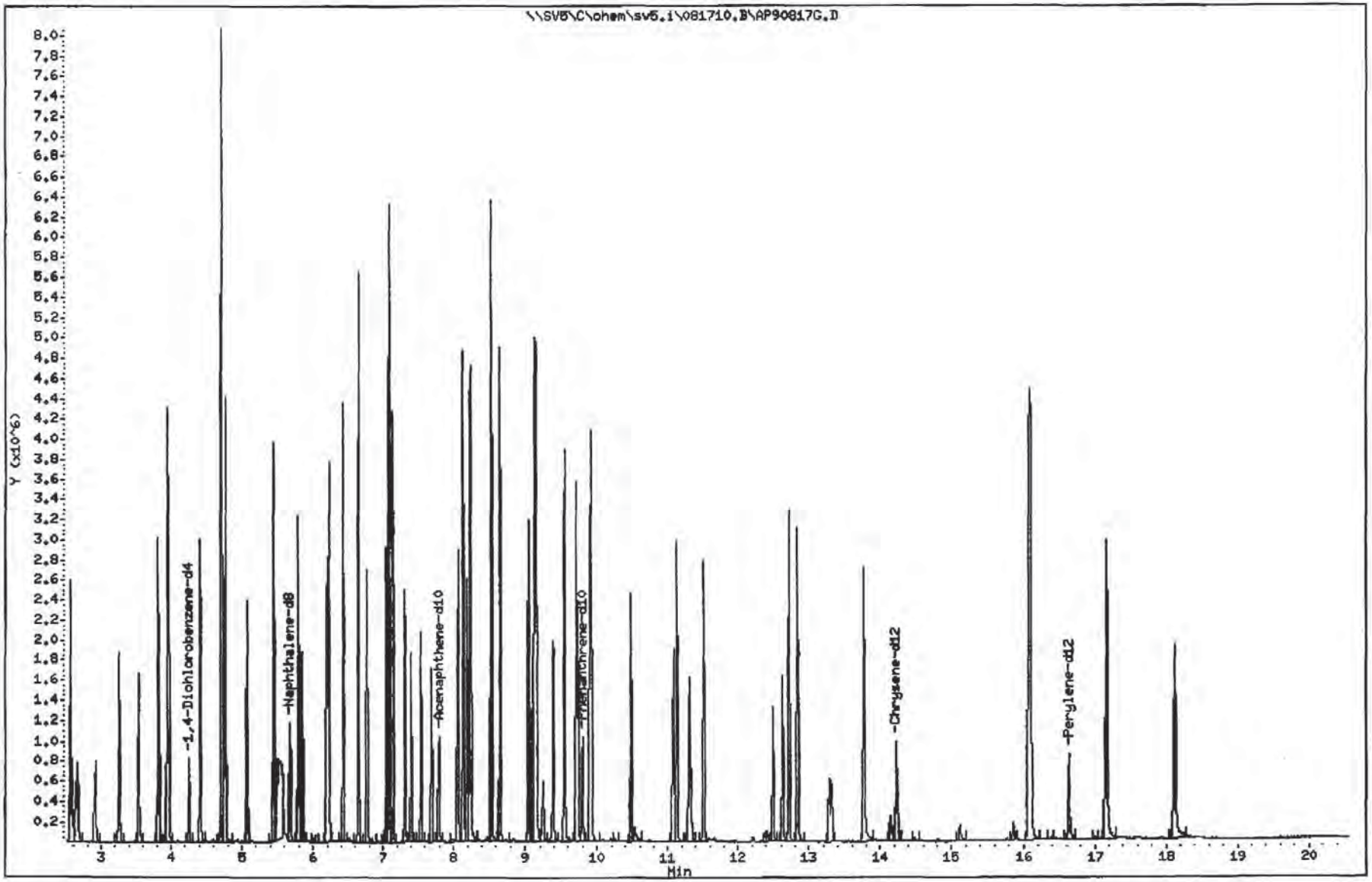
Sample Info: AP9_160 ug/ml CS-7;1;;7;;;;;4

Column phase:

Instrument: sv5.i

Operator: KT

Column diameter: 2.00



Test America West Sacramento (916) 373 - 5600

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 18-AUG-2010 00:21
Lab File ID: AP90817H.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 23:55
Lab Sample ID: AP9_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
17 2-Picoline	1.66833	1.56413	1.56413	0.010	-6.24546	50.00000	Averaged	
18 n-Nitrosomethylethylamine	0.75572	0.74829	0.74829	0.010	-0.98326	50.00000	Averaged	
19 Methyl methanesulfonate	0.63676	0.48639	0.48639	0.010	-23.61549	50.00000	Averaged	
21 n-Nitrosodiethylamine	0.77988	0.75391	0.75391	0.010	-3.32988	50.00000	Averaged	
22 Ethyl methanesulfonate	1.10810	1.00421	1.00421	0.010	-9.37543	50.00000	Averaged	
20 Benzaldehyde	1.30417	1.29463	1.29463	0.010	-0.73159	50.00000	Averaged	
25 Pentachloroethane	0.52066	0.49378	0.49378	0.010	-5.16207	50.00000	Averaged	
35 Acetophenone	0.46582	0.45234	0.45234	0.010	-2.89239	50.00000	Averaged	
38 n-Nitrosopyrrolidine	0.84836	0.82596	0.82596	0.010	-2.63976	50.00000	Averaged	
39 3-Methylphenol	1.54820	1.50550	1.50550	0.010	-2.75811	50.00000	Averaged	
40 o-Toluidine	2.55811	2.47120	2.47120	0.010	-3.39725	50.00000	Averaged	
41 n-Nitrosomorpholine	1.17084	1.13113	1.13113	0.010	-3.39138	50.00000	Averaged	
43 N-Nitrosopiperidine	0.26232	0.25276	0.25276	0.010	-3.64273	50.00000	Averaged	
48 o,o,o-TEPT	0.14007	0.13114	0.13114	0.010	-6.36903	50.00000	Averaged	
53 a-,a-Dimethylphenethylamine	1.13547	1.03026	1.03026	0.010	-9.26569	50.00000	Averaged	
56 Hexachloropropene	0.13703	0.13602	0.13602	0.010	-0.73446	50.00000	Averaged	
58 p-Phenylenediamine	0.46748	0.46588	0.46588	0.010	-0.34189	50.00000	Averaged	
59 N-Nitroso-di-n-butylamine	0.23539	0.23159	0.23159	0.010	-1.61764	50.00000	Averaged	
55 2,6-Dichlorophenol	0.25204	0.24304	0.24304	0.010	-3.56728	50.00000	Averaged	
61 Safrole	0.24987	0.24569	0.24569	0.010	-1.67461	50.00000	Averaged	
65 1-Methylnaphthalene	0.69162	0.63925	0.63925	0.010	-7.57176	50.00000	Averaged	
67 1,2,4,5-Tetrachlorobenzene	0.42057	0.41124	0.41124	0.010	-2.21825	50.00000	Averaged	
68 Isosafrole#1	0.08606	0.04944	0.04944	0.010	-42.55305	50.00000	Averaged	see total
72 Isosafrole#2	0.47771	0.50510	0.50510	0.010	5.73360	50.00000	Averaged	
64 1-Chloronaphthalene	1.08822	1.05416	1.05416	0.010	-3.12949	50.00000	Averaged	
62 Biphenyl	1.59234	1.53106	1.53106	0.010	-3.84786	50.00000	Averaged	
74 1,4-Naphthoquinone	0.44345	0.46157	0.46157	0.010	4.08614	50.00000	Averaged	
75 1,3-Dinitrobenzene	50.00000	50.19193	0.14500	0.010	0.38385	0.000e+000	Quadratic	
78 1,4-Dinitrobenzene	50.00000	51.67843	0.19860	0.010	3.35687	0.000e+000	Quadratic	
160 1,2-Dinitrobenzene	50.00000	45.81114	0.12522	0.010	-8.37772	0.000e+000	Quadratic	
85 Pentachlorobenzene	0.39081	0.37483	0.37483	0.010	-4.08930	50.00000	Averaged	
87 1-Naphthylamine	1.37168	1.32469	1.32469	0.010	-3.42608	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.24424	0.24413	0.24413	0.010	-0.04504	50.00000	Averaged	
89 2-Naphthylamine	1.43548	1.40236	1.40236	0.010	-2.30694	50.00000	Averaged	
90 2,3,5,6-Tetrachlorophenol	0.22879	0.23754	0.23754	0.010	3.82148	50.00000	Averaged	
95 5-Nitro-o-toluidine	50.00000	47.59152	0.38458	0.010	-4.81695	0.000e+000	Linear	
96 Thionazin	0.27986	0.28128	0.28128	0.010	0.50789	50.00000	Averaged	
99 Diphenylamine	0.67390	0.68449	0.68449	0.010	1.57101	50.00000	Averaged	
102 Sulfotepp	0.12719	0.12734	0.12734	0.010	0.11526	50.00000	Averaged	
103 Diallate 1	0.34497	0.29437	0.29437	0.010	-14.66767	50.00000	Averaged	See total
104 1,3,5-Trinitrobenzene	50.00000	40.75421	0.02345	0.010	-18.49158	0.000e+000	Quadratic	
105 Phorate	0.68784	0.65113	0.65113	0.010	-5.33633	50.00000	Averaged	
106 Diallate 2	0.06730	0.10952	0.10952	0.010	62.74746	50.00000	Averaged	<See total

no Analytes see KT

KT 8/17/10 8/18/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 18-AUG-2010 00:21
Lab File ID: AP90817H.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 23:55
Lab Sample ID: AP9_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
107 Phenacetin	50.00000	48.41434	0.40891	0.010	-3.17133	0.000e+000	Linear
109 Dimethoate	0.28093	0.28619	0.28619	0.010	1.87390	50.00000	Averaged
111 4-Aminobiphenyl	0.85015	0.83810	0.83810	0.010	-1.41785	50.00000	Averaged
112 Pentachloronitrobenzene	0.03531	0.03445	0.03445	0.010	-2.44218	50.00000	Averaged
113 Pronamide	0.30996	0.31880	0.31880	0.010	2.85093	50.00000	Averaged
116 Disulfoton	0.43845	0.45018	0.45018	0.010	2.67422	50.00000	Averaged
117 2-sec-Butyl-4,6-dinitrophen	50.00000	52.48453	0.12574	0.010	4.96905	0.000e+000	Quadratic
119 Methyl Parathion	50.00000	43.50650	0.85711	0.010	-12.98701	0.000e+000	Linear
122 4-Nitroquinoline-1-oxide	50.00000	54.82093	0.07675	0.010	9.64187	0.000e+000	Quadratic
123 Parathion	50.00000	48.31098	0.15883	0.010	-3.37804	0.000e+000	Quadratic
124 Methapyrilene	0.59557	0.64191	0.64191	0.010	7.78138	50.00000	Averaged
125 Isodrin	0.12693	0.12728	0.12728	0.010	0.27233	50.00000	Averaged
129 Aramite#1	0.04730	0.00065	0.00065	0.010	-98.62308	50.00000	Averaged
130 Aramite#2	0.07280	0.00065	0.00065	0.010	-99	50.00000	Averaged
131 p-Dimthylaminoazobenzene	50.00000	46.36874	0.43250	0.010	-7.26251	0.000e+000	Linear
132 p-Chlorobenzilate	50.00000	48.48274	0.26587	0.010	-3.03451	0.000e+000	Linear
137 2-Acetylaminofluorene	50.00000	48.58108	0.40450	0.010	-2.83784	0.000e+000	Quadratic
143 Benzo(j)fluoranthene	0.95193	0.95025	0.95025	0.010	-0.17685	50.00000	Averaged
146 7,12-Dimethylbenz(a)anthrac	0.52240	0.51026	0.51026	0.010	-2.32446	50.00000	Averaged
149 3-Methylcholanthrene	0.54842	0.53733	0.53733	0.010	-2.02121	50.00000	Averaged
150 Dibenz(a,j)acridine	50.00000	44.78346	0.71618	0.010	-10.43308	0.000e+000	Linear
M 154 Diallate (Total)	0.41227	0.40390	0.40390	0.010	-2.03099	50.00000	Averaged
M 155 Isosafrole (Total)	0.56377	0.55454	0.55454	0.010	-1.63725	50.00000	Averaged
M 156 Aramite (Total)	0.13664	0.00065	0.00065	0.010	-100	50.00000	Averaged
M 157 3 and 4-methylphenol	1.54820	1.50550	1.50550	0.010	-2.75811	50.00000	Averaged
133 Kepone	0.10009	0.07735	0.07735	0.010	-22.71598	50.00000	Averaged
135 Famphur	0.27575	0.22992	0.22992	0.010	-16.61989	50.00000	Averaged

see total

NA

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\081710.B\AP90817H.D
Lab Smp Id: AP9_050 ug/ml ICV Client Smp ID: 8270F.M
Inj Date : 18-AUG-2010 00:21
Operator : KT Inst ID: sv5.i
Smp Info : AP9_050 ug/ml ICV;2;;4;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0335;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:56 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 98 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

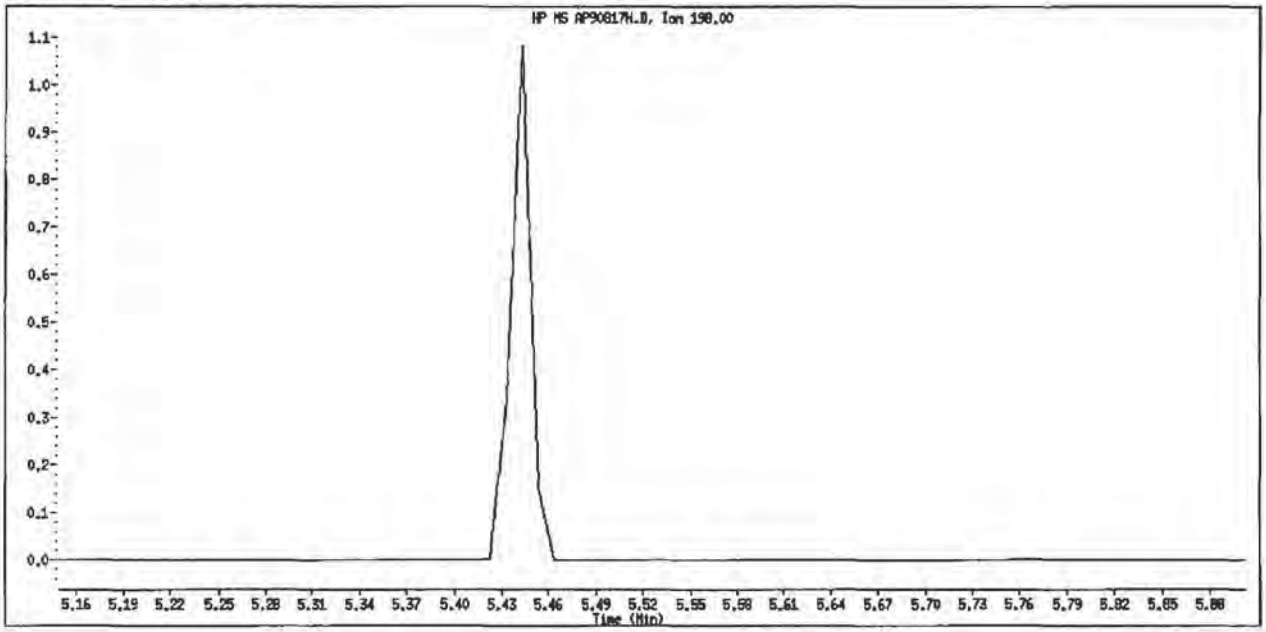
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	133476	40.0000	
* 2	Naphthalene-d8	136	5.670	5.670	(1.000)	597971	40.0000	
* 3	Acenaphthene-d10	164	7.785	7.785	(1.000)	311470	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.785	(1.000)	497908	40.0000	
* 5	Chrysene-d12	240	14.230	14.230	(1.000)	469238	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	440902	40.0000	
17	2-Picoline	93	2.562	2.562	(0.603)	260968	50.0000	46.88
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	124849	50.0000	49.51
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	81151	50.0000	38.19
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	125786	50.0000	48.34
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	167548	50.0000	45.31
20	Benzaldehyde	106	3.815	3.815	(0.898)	216003	50.0000	49.63
25	Pentachloroethane	117	3.961	3.961	(0.932)	82385	50.0000	47.42
35	Acetophenone	105	4.707	4.707	(0.830)	338110	50.0000	48.55
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	137808	50.0000	48.68
39	3-Methylphenol	108	4.696	4.696	(1.105)	251185	50.0000	48.62
40	o-Toluidine	106	4.759	4.759	(1.119)	412308	50.0000	48.30
41	n-Nitrosomorpholine	56	4.717	4.717	(1.110)	188724	50.0000	48.30
43	N-Nitrosopiperidine	42	5.069	5.069	(0.894)	188930	50.0000	48.18
48	o,o,o-TEPT	198	5.442	5.442	(0.960)	98026	50.0000	46.82(M)
53	a-,a-Dimethylphenethylamine	58	5.546	5.546	(0.978)	770081	50.0000	45.37
56	Hexachloropropene	213	5.847	5.847	(1.031)	101672	50.0000	49.63
58	p-Phenylenediamine	108	6.189	6.189	(1.091)	348228	50.0000	49.83
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	173102	50.0000	49.19
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	181667	50.0000	48.22
61	Safrole	162	6.427	6.427	(1.133)	183641	50.0000	49.16
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	477816	50.0000	46.21
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.759	(0.868)	160111	50.0000	48.89
68	Isosafrole#1	162	6.779	6.779	(0.871)	19248	50.0000	28.72
72	Isosafrole#2	162	7.038	7.038	(0.904)	196655	50.0000	52.87
64	1-Chloronaphthalene	162	7.132	7.132	(0.916)	410424	50.0000	48.44
62	Biphenyl	154	7.080	7.080	(0.909)	596101	50.0000	48.08
74	1,4-Naphthoquinone	158	7.308	7.308	(0.939)	179708	50.0000	52.04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	56455	50.0000	50.19
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	77324	50.0000	51.68
160	1,2-Dinitrobenzene	168	7.681	7.681	(0.987)	48753	50.0000	45.81
85	Pentachlorobenzene	250	8.064	8.064	(1.036)	145935	50.0000	47.96
87	1-Naphtylamine	143	8.137	8.137	(1.045)	515751	50.0000	48.29
88	2,3,4,6-Tetrachlorophenol	232	8.241	8.241	(1.059)	95050	50.0000	49.98
89	2-Naphthylamine	143	8.230	8.230	(1.057)	545993	50.0000	48.85
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	92482	50.0000	51.91
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	149733	50.0000	47.59
96	Thionazin	97	8.541	8.541	(1.097)	109514	50.0000	50.25
99	Diphenylamine	169	8.655	8.655	(0.885)	426017	50.0000	50.78
102	Sulfotepp	97	9.038	9.038	(0.924)	79252	50.0000	50.06
103	Diallate 1	86	9.121	9.121	(0.932)	183214	50.0000	42.67
104	1,3,5-Trinitrobenzene	120	9.080	9.080	(0.928)	14598	50.0000	40.75
105	Phorate	121	9.132	9.132	(2.148)	108638	50.0000	47.33
106	Diallate 2	86	9.235	9.235	(0.944)	68165	50.0000	81.37
107	Phenacetin	108	9.142	9.142	(0.934)	254500	50.0000	48.41
109	Dimethoate	87	9.380	9.380	(0.959)	178121	50.0000	50.94
111	4-Aminobiphenyl	169	9.536	9.536	(0.975)	521619	50.0000	49.29
112	Pentachloronitrobenzene	295	9.733	9.733	(0.995)	21440	50.0000	48.78
113	Pronamide	173	9.702	9.702	(0.992)	198414	50.0000	51.42
116	Disulfoton	88	9.899	9.899	(1.012)	280183	50.0000	51.34
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.014)	78261	50.0000	52.48
119	Methyl Parathion	109	10.479	10.479	(2.465)	143004	50.0000	43.51
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.132)	47767	50.0000	54.82
123	Parathion	109	11.132	11.132	(1.138)	98855	50.0000	48.31
124	Methapyrilene	58	11.308	11.308	(1.156)	399516	50.0000	53.89
125	Isodrin	193	11.515	11.515	(0.809)	74654	50.0000	50.14
129	Aramite#1	185	Compound Not Detected.					
130	Aramite#2	185	Compound Not Detected.					
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	253681	50.0000	46.37
132	p-Chlorobenzilate	251	12.831	12.831	(1.311)	165475	50.0000	48.48
137	2-Acetylaminofluorene	181	13.754	13.754	(0.967)	237261	50.0000	48.58
143	Benzo(j)fluoranthene	252	16.065	16.065	(0.966)	523708	50.0000	49.91
146	7,12-Dimethylbenz(a)anthracene	256	16.085	16.085	(0.967)	281219	50.0000	48.84
149	3-Methylcholanthrene	268	17.153	17.153	(1.031)	296138	50.0000	48.99
150	Dibenz(a,j)acridine	279	18.106	18.106	(1.088)	394706	50.0000	44.78
M 154	Diallate (Total)	86				251379	50.0000	
M 155	Isosafrole (Total)	162				215903	50.0000	
M 156	Aramite (Total)	185	Compound Not Detected.					
M 157	3 and 4-methylphenol	108				251185	50.0000	
133	Kepone	272	13.277	13.277	(0.933)	45372	50.0000	38.64
135	Famphur	218	13.308	13.308	(0.935)	134861	50.0000	41.69

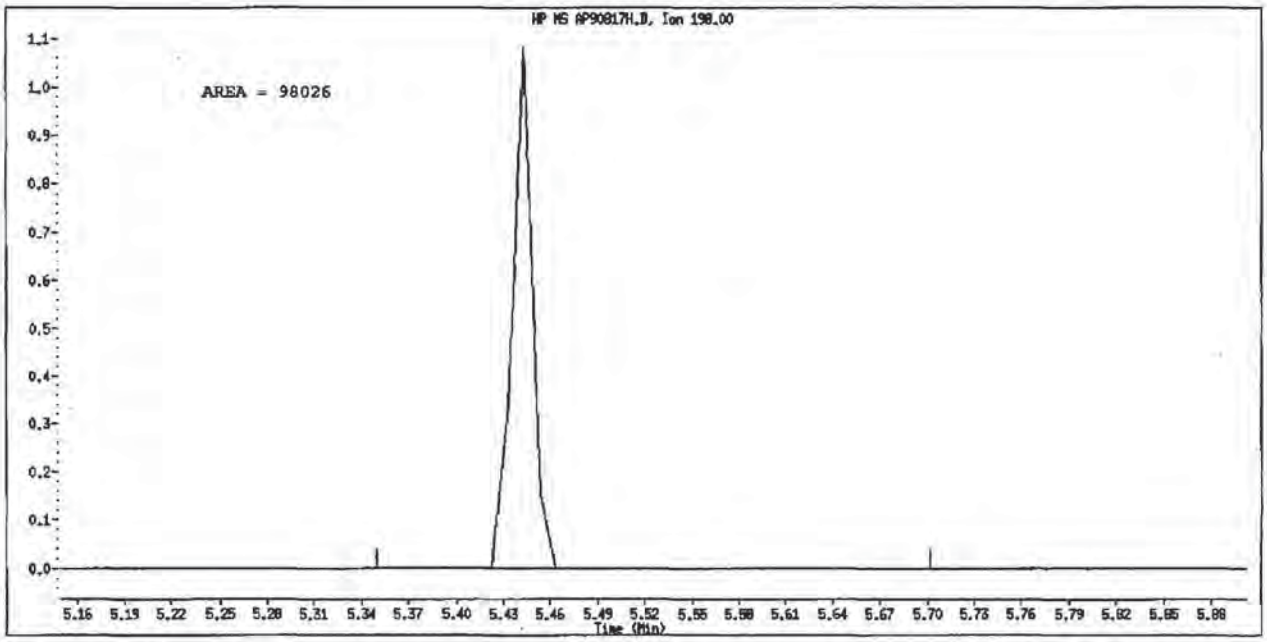
QC Flag Legend

M - Compound response manually integrated.

Data File Name: AP90817H.D
Inj. Date and Time: 18-AUG-2010 00:21
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: o,o,o-TEPT
CAS #: 126-68-1
Report Date: 08/18/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Peak Not Found

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\081710.B\AP90817H.D
Lab Smp Id: AP9_050 ug/ml ICV Client Smp ID: 8270F.M
Inj Date : 18-AUG-2010 00:21
Operator : KT Inst ID: sv5.i
Smp Info : AP9_050 ug/ml ICV;2;;4;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0335;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:44 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 98 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	133476	40.0000	
* 2	Naphthalene-d8	136	5.670	5.670	(1.000)	597971	40.0000	
* 3	Acenaphthene-d10	164	7.785	7.785	(1.000)	311470	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.785	(1.000)	497908	40.0000	
* 5	Chrysene-d12	240	14.230	14.230	(1.000)	469238	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	440902	40.0000	
17	2-Picoline	93	2.562	2.562	(0.603)	260968	50.0000	46.88
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	124849	50.0000	49.51
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	81151	50.0000	38.19
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	125786	50.0000	48.34
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	167548	50.0000	45.31
20	Benzaldehyde	106	3.815	3.815	(0.898)	216003	50.0000	49.63
25	Pentachloroethane	117	3.961	3.961	(0.932)	82385	50.0000	47.42
35	Acetophenone	105	4.707	4.707	(0.830)	338110	50.0000	48.55
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	137808	50.0000	48.68
39	3-Methylphenol	108	4.696	4.696	(1.105)	251185	50.0000	48.62
40	o-Toluidine	106	4.759	4.759	(1.119)	412308	50.0000	48.30
41	n-Nitrosomorpholine	56	4.717	4.717	(1.110)	188724	50.0000	48.30
43	N-Nitrosopiperidine	42	5.069	5.069	(0.894)	188930	50.0000	48.18
48	o,o,o-TEPT	198	Compound Not Detected.					
53	a-,a-Dimethylphenethylamine	58	5.546	5.546	(0.978)	770081	50.0000	45.37
56	Hexachloropropene	213	5.847	5.847	(1.031)	101672	50.0000	49.63
58	p-Phenylenediamine	108	6.189	6.189	(1.091)	348228	50.0000	49.83
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	173102	50.0000	49.19
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	181667	50.0000	48.22
61	Safrole	162	6.427	6.427	(1.133)	183641	50.0000	49.16
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	477816	50.0000	46.21
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.759	(0.868)	160111	50.0000	48.89
68	Isosafrole#1	162	6.779	6.779	(0.871)	19248	50.0000	28.72
72	Isosafrole#2	162	7.038	7.038	(0.904)	196655	50.0000	52.87
64	1-Chloronaphthalene	162	7.132	7.132	(0.916)	410424	50.0000	48.44
62	Biphenyl	154	7.080	7.080	(0.909)	596101	50.0000	48.08
74	1,4-Naphthoquinone	158	7.308	7.308	(0.939)	179708	50.0000	52.04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	56455	50.0000	50.19
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	77324	50.0000	51.68
160	1,2-Dinitrobenzene	168	7.681	7.681	(0.987)	48753	50.0000	45.81
85	Pentachlorobenzene	250	8.064	8.064	(1.036)	145935	50.0000	47.96
87	1-Naphtylamine	143	8.137	8.137	(1.045)	515751	50.0000	48.29
88	2,3,4,6-Tetrachlorophenol	232	8.241	8.241	(1.059)	95050	50.0000	49.98
89	2-Naphthylamine	143	8.230	8.230	(1.057)	545993	50.0000	48.85
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	92482	50.0000	51.91
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	149733	50.0000	47.59
96	Thionazin	97	8.541	8.541	(1.097)	109514	50.0000	50.25
99	Diphenylamine	169	8.655	8.655	(0.885)	426017	50.0000	50.78
102	Sulfotepp	97	9.038	9.038	(0.924)	79252	50.0000	50.06
103	Diallate 1	86	9.121	9.121	(0.932)	183214	50.0000	42.67
104	1,3,5-Trinitrobenzene	120	9.080	9.080	(0.928)	14598	50.0000	40.75
105	Phorate	121	9.132	9.132	(2.148)	108638	50.0000	47.33
106	Diallate 2	86	9.235	9.235	(0.944)	68165	50.0000	81.37
107	Phenacetin	108	9.142	9.142	(0.934)	254500	50.0000	48.41
109	Dimethoate	87	9.380	9.380	(0.959)	178121	50.0000	50.94
111	4-Aminobiphenyl	169	9.536	9.536	(0.975)	521619	50.0000	49.29
112	Pentachloronitrobenzene	295	9.733	9.733	(0.995)	21440	50.0000	48.78
113	Pronamide	173	9.702	9.702	(0.992)	198414	50.0000	51.42
116	Disulfoton	88	9.899	9.899	(1.012)	280183	50.0000	51.34
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.014)	78261	50.0000	52.48
119	Methyl Parathion	109	10.479	10.479	(2.465)	143004	50.0000	43.51
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.132)	47767	50.0000	54.82
123	Parathion	109	11.132	11.132	(1.138)	98855	50.0000	48.31
124	Methapyrilene	58	11.308	11.308	(1.156)	399516	50.0000	53.89
125	Isodrin	193	11.515	11.515	(0.809)	74654	50.0000	50.14
129	Aramite#1	185	12.831	12.831	(0.902)	382	50.0000	0.6884
130	Aramite#2	185	12.831	12.831	(0.902)	382	50.0000	0.4473
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	253681	50.0000	46.37
132	p-Chlorobenzilate	251	12.831	12.831	(1.311)	165475	50.0000	48.48
137	2-Acetylaminofluorene	181	13.754	13.754	(0.967)	237261	50.0000	48.58
143	Benzo(j)fluoranthene	252	16.065	16.065	(0.966)	523708	50.0000	49.91
146	7,12-Dimethylbenz(a)anthracene	256	16.085	16.085	(0.967)	281219	50.0000	48.84
149	3-Methylcholanthrene	268	17.153	17.153	(1.031)	296138	50.0000	48.99
150	Dibenz(a,j)acridine	279	18.106	18.106	(1.088)	394706	50.0000	44.78
M 154	Diallate (Total)	86				251379	50.0000	48.98
M 155	Isosafrole (Total)	162				215903	50.0000	49.18
M 156	Aramite (Total)	185				764	50.0000	0.4766
M 157	3 and 4-methylphenol	108				251185	50.0000	48.62
133	Kepone	272	13.277	13.277	(0.933)	45372	50.0000	38.64
135	Famphur	218	13.308	13.308	(0.935)	134861	50.0000	41.69

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP90817H.D
Lab Smp Id: AP9 050 ug/ml ICV
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0335;0;8270F.M

Calibration Date: 18-AUG-2010
Calibration Time: 00:47
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	133476	2.52
2 Naphthalene-d8	576581	288291	1153162	597971	3.71
3 Acenaphthene-d10	314990	157495	629980	311470	-1.12
4 Phenanthrene-d10	511426	255713	1022852	497908	-2.64
5 Chrysene-d12	480980	240490	961960	469238	-2.44
6 Perylene-d12	450650	225325	901300	440902	-2.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.25	3.75	4.75	4.25	0.00
2 Naphthalene-d8	5.67	5.17	6.17	5.67	0.00
3 Acenaphthene-d10	7.79	7.29	8.29	7.79	0.00
4 Phenanthrene-d10	9.79	9.29	10.29	9.79	0.00
5 Chrysene-d12	14.23	13.73	14.73	14.23	0.00
6 Perylene-d12	16.64	16.14	17.14	16.64	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: \\SV5\C\chem\sv5.i\081710.B\AP90817H.D

Date : 18-AUG-2010 00:21

Client ID: 8270F.M

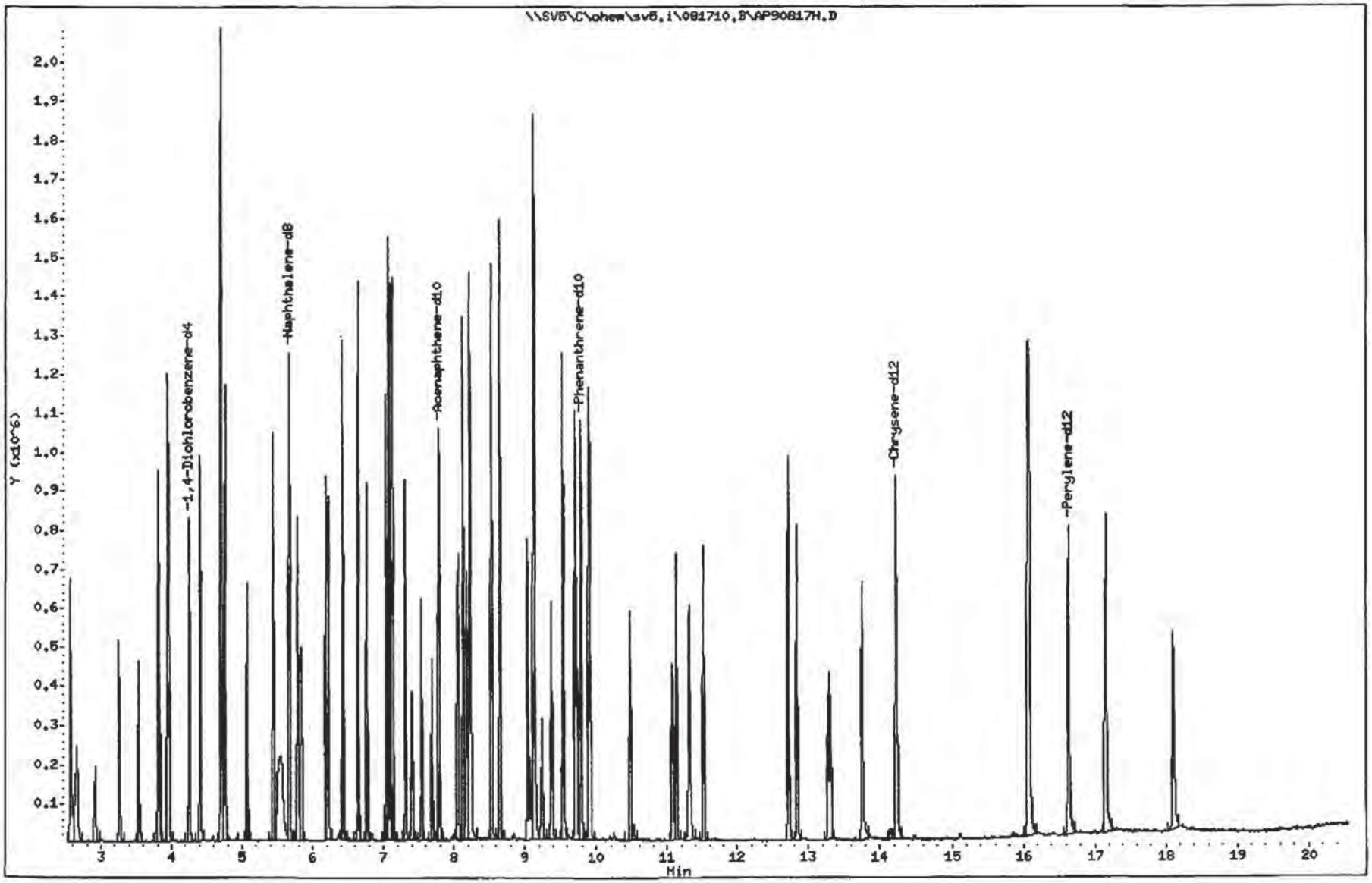
Sample Info: AP9_050 ug/ml ICV;2;;4;;;;;4

Column phase:

Instrument: sv5.i

Operator: KT

Column diameter: 2.00



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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 18-AUG-2010 00:47
Lab File ID: AP90817J.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 23:55
Lab Sample ID: AP9_050 ug/ml ARAMI Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
17 2-Picoline	1.66833	1.63462	1.63462	0.010	-2.02052	50.00000	Averaged	
18 n-Nitrosomethylethylamine	0.75572	0.77055	0.77055	0.010	1.96183	50.00000	Averaged	
19 Methyl methanesulfonate	0.63676	0.52160	0.52160	0.010	-18.08578	50.00000	Averaged	
21 n-Nitrosodiethylamine	0.77988	0.81779	0.81779	0.010	4.86155	50.00000	Averaged	
22 Ethyl methanesulfonate	1.10810	1.12281	1.12281	0.010	1.32758	50.00000	Averaged	
20 Benzaldehyde	1.30417	0.21371	0.21371	0.010	-83.61346	50.00000	Averaged	<-
25 Pentachloroethane	0.52066	0.54307	0.54307	0.010	4.30385	50.00000	Averaged	
35 Acetophenone	0.46582	0.48264	0.48264	0.010	3.61224	50.00000	Averaged	
38 n-Nitrosopyrrolidine	0.84836	0.88345	0.88345	0.010	4.13590	50.00000	Averaged	
39 3-Methylphenol	1.54820	1.58897	1.58897	0.010	2.63317	50.00000	Averaged	
40 o-Toluidine	2.55811	2.63311	2.63311	0.010	2.93201	50.00000	Averaged	
41 n-Nitrosomorpholine	1.17084	1.19529	1.19529	0.010	2.08808	50.00000	Averaged	
43 N-Nitrosopiperidine	0.26232	0.26545	0.26545	0.010	1.19535	50.00000	Averaged	
48 o,o,o-TEPT	0.14007	0.13603	0.13603	0.010	-2.88229	50.00000	Averaged	
53 a-,a-Dimethylphenethylamine	1.13547	0.39755	0.39755	0.010	-64.98786	50.00000	Averaged	<-
56 Hexachloropropene	0.13703	0.10229	0.10229	0.010	-25.34993	50.00000	Averaged	
58 p-Phenylenediamine	0.46748	0.21058	0.21058	0.010	-54.95474	50.00000	Averaged	<-
59 N-Nitroso-di-n-butylamine	0.23539	0.24067	0.24067	0.010	2.24223	50.00000	Averaged	
55 2,6-Dichlorophenol	0.25204	0.26278	0.26278	0.010	4.26165	50.00000	Averaged	
61 Safrole	0.24987	0.26747	0.26747	0.010	7.04333	50.00000	Averaged	
65 1-Methylnaphthalene	0.69162	0.68891	0.68891	0.010	-0.39137	50.00000	Averaged	
67 1,2,4,5-Tetrachlorobenzene	0.42057	0.42741	0.42741	0.010	1.62579	50.00000	Averaged	
68 Isosafrole#1	0.08606	0.08515	0.08515	0.010	-1.05166	50.00000	Averaged	
72 Isosafrole#2	0.47771	0.49487	0.49487	0.010	3.59218	50.00000	Averaged	
64 1-Chloronaphthalene	1.08822	1.08839	1.08839	0.010	0.01615	50.00000	Averaged	
62 Biphenyl	1.59234	1.59203	1.59203	0.010	-0.01939	50.00000	Averaged	
74 1,4-Naphthoquinone	0.44345	0.48600	0.48600	0.010	9.59460	50.00000	Averaged	
75 1,3-Dinitrobenzene	50.00000	52.42282	0.15228	0.010	4.84564	0.000e+000	Quadratic	
78 1,4-Dinitrobenzene	50.00000	51.99942	0.19997	0.010	3.99884	0.000e+000	Quadratic	
160 1,2-Dinitrobenzene	50.00000	48.18779	0.13219	0.010	-3.62441	0.000e+000	Quadratic	
85 Pentachlorobenzene	0.39081	0.39415	0.39415	0.010	0.85464	50.00000	Averaged	
87 1-Naphthylamine	1.37168	1.21596	1.21596	0.010	-11.35299	50.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.24424	0.25047	0.25047	0.010	2.54774	50.00000	Averaged	
89 2-Naphthylamine	1.43548	1.40692	1.40692	0.010	-1.98977	50.00000	Averaged	
90 2,3,5,6-Tetrachlorophenol	0.22879	0.20108	0.20108	0.010	-12.11089	50.00000	Averaged	
95 5-Nitro-o-toluidine	50.00000	48.52443	0.39301	0.010	-2.95115	0.000e+000	Linear	
96 Thionazin	0.27986	0.28688	0.28688	0.010	2.50748	50.00000	Averaged	
99 Diphenylamine	0.67390	0.72081	0.72081	0.010	6.96052	50.00000	Averaged	
102 Sulfotepp	0.12719	0.12969	0.12969	0.010	1.96238	50.00000	Averaged	
103 Diallate 1	0.34497	0.36330	0.36330	0.010	5.31283	50.00000	Averaged	
104 1,3,5-Trinitrobenzene	50.00000	56.08994	0.03446	0.010	12.17987	0.000e+000	Quadratic	
105 Phorate	0.68784	0.66419	0.66419	0.010	-3.43832	50.00000	Averaged	
106 Diallate 2	0.06730	0.06870	0.06870	0.010	2.08613	50.00000	Averaged	

Aramite only.
8/17/10 8/18/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 18-AUG-2010 00:47
Lab File ID: AP90817J.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: Init. Cal. Times: 17:32 23:55
Lab Sample ID: AP9_050 ug/ml ARAMI Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
107 Phenacetin	50.00000	51.27646	0.43499	0.010	2.55292	0.000e+000	Linear
109 Dimethoate	0.28093	0.30139	0.30139	0.010	7.28489	50.00000	Averaged
111 4-Aminobiphenyl	0.85015	0.81760	0.81760	0.010	-3.82846	50.00000	Averaged
112 Pentachloronitrobenzene	0.03531	0.03767	0.03767	0.010	6.67267	50.00000	Averaged
113 Pronamide	0.30996	0.33562	0.33562	0.010	8.27719	50.00000	Averaged
116 Disulfoton	0.43845	0.44339	0.44339	0.010	1.12735	50.00000	Averaged
117 2-sec-Butyl-4,6-dinitrophen	50.00000	55.19937	0.13358	0.010	10.39874	0.000e+000	Quadratic
119 Methyl Parathion	50.00000	47.25727	0.93874	0.010	-5.48546	0.000e+000	Linear
122 4-Nitroquinoline-1-oxide	50.00000	57.53675	0.08156	0.010	15.07350	0.000e+000	Quadratic
123 Parathion	50.00000	50.16779	0.16572	0.010	0.33558	0.000e+000	Quadratic
124 Methapyrilene	0.59557	0.44799	0.44799	0.010	-24.78005	50.00000	Averaged
125 Isodrin	0.12693	0.13646	0.13646	0.010	7.50514	50.00000	Averaged
129 Aramite#1	0.04730	0.06805	0.06805	0.010	43.87804	50.00000	Averaged
130 Aramite#2	0.07280	0.08577	0.08577	0.010	17.82327	50.00000	Averaged
131 p-Dimthylaminoazobenzene	50.00000	49.67636	0.46576	0.010	-0.64729	0.000e+000	Linear
132 p-Chlorobenzilate	50.00000	49.45403	0.27176	0.010	-1.09195	0.000e+000	Linear
137 2-Acetylaminofluorene	50.00000	52.07026	0.43814	0.010	4.14053	0.000e+000	Quadratic
143 Benzo(j)fluoranthene	0.95193	0.99701	0.99701	0.010	4.73587	50.00000	Averaged
146 7,12-Dimethylbenz(a)anthrac	0.52240	0.53044	0.53044	0.010	1.53888	50.00000	Averaged
149 3-Methylcholanthrene	0.54842	0.57389	0.57389	0.010	4.64586	50.00000	Averaged
150 Dibenz(a,j)acridine	50.00000	46.43059	0.74568	0.010	-7.13882	0.000e+000	Linear
M 154 Diallate (Total)	0.41227	0.43200	0.43200	0.010	4.78613	50.00000	Averaged
M 155 Isosafrole (Total)	0.56377	0.58002	0.58002	0.010	2.88330	50.00000	Averaged
M 156 Aramite (Total)	0.13664	0.15382	0.15382	0.010	12.57781	50.00000	Averaged
M 157 3 and 4-methylphenol	1.54820	1.58897	1.58897	0.010	2.63317	50.00000	Averaged
133 Kepone	0.10009	0.08913	0.08913	0.010	-10.94928	50.00000	Averaged
135 Famphur	0.27575	0.25911	0.25911	0.010	-6.03558	50.00000	Averaged

(see total)

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\081710.B\AP90817J.D
Lab Smp Id: AP9_050 ug/ml ARAMI Client Smp ID: 8270F.M
Inj Date : 18-AUG-2010 00:47
Operator : KT Inst ID: sv5.i
Smp Info : AP9_050 ug/ml ARAMITE ICV;2;;4;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0336;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:56 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	140958	40.0000	
* 2	Naphthalene-d8	136	5.671	5.671	(1.000)	626839	40.0000	
* 3	Acenaphthene-d10	164	7.785	7.785	(1.000)	330623	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.785	(1.000)	516043	40.0000	
* 5	Chrysene-d12	240	14.230	14.230	(1.000)	468107	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	451046	40.0000	
17	2-Picoline	93	2.562	2.562	(0.603)	288016	50.0000	48.99
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	135769	50.0000	50.98
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	91904	50.0000	40.96
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	144093	50.0000	52.43
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	197837	50.0000	50.66
20	Benzaldehyde	106	3.816	3.816	(0.898)	37655	50.0000	8.193
25	Pentachloroethane	117	3.961	3.961	(0.932)	95687	50.0000	52.15
35	Acetophenone	105	4.707	4.707	(0.830)	378174	50.0000	51.81
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	155661	50.0000	52.07
39	3-Methylphenol	108	4.696	4.696	(1.105)	279972	50.0000	51.32
40	o-Toluidine	106	4.759	4.759	(1.119)	463948	50.0000	51.47
41	n-Nitrosomorpholine	56	4.717	4.717	(1.110)	210607	50.0000	51.04
43	N-Nitrosopiperidine	42	5.070	5.070	(0.894)	207995	50.0000	50.60
48	o,o,o-TEPT	198	5.443	5.443	(0.960)	106585	50.0000	48.56
53	a-,a-Dimethylphenethylamine	58	5.598	5.598	(0.987)	311501	50.0000	17.51
56	Hexachloropropene	213	5.847	5.847	(1.031)	80151	50.0000	37.32
58	p-Phenylenediamine	108	6.189	6.189	(1.091)	164997	50.0000	22.52
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	188578	50.0000	51.12
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	205898	50.0000	52.13
61	Safrole	162	6.427	6.427	(1.133)	209575	50.0000	53.52
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	539795	50.0000	49.80
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.759	(0.868)	176638	50.0000	50.81
68	Isosafrole#1	162	6.779	6.779	(0.871)	35192	50.0000	49.47
72	Isosafrole#2	162	7.039	7.039	(0.904)	204520	50.0000	51.80
64	1-Chloronaphthalene	162	7.132	7.132	(0.916)	449809	50.0000	50.01
62	Biphenyl	154	7.080	7.080	(0.909)	657951	50.0000	49.99
74	1,4-Naphthoquinone	158	7.308	7.308	(0.939)	200854	50.0000	54.80

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	62933	50.0000	52.42
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	82645	50.0000	52.00
160	1,2-Dinitrobenzene	168	7.681	7.681	(0.987)	54632	50.0000	48.19
85	Pentachlorobenzene	250	8.064	8.064	(1.036)	162894	50.0000	50.43
87	1-Naphtylamine	143	8.137	8.137	(1.045)	502529	50.0000	44.32
88	2,3,4,6-Tetrachlorophenol	232	8.241	8.241	(1.059)	103512	50.0000	51.27
89	2-Naphthylamine	143	8.230	8.230	(1.057)	581449	50.0000	49.00
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	83104	50.0000	43.94
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	162421	50.0000	48.52
96	Thionazin	97	8.531	8.531	(1.096)	118561	50.0000	51.25
99	Diphenylamine	169	8.655	8.655	(0.885)	464962	50.0000	53.48
102	Sulfotepp	97	9.039	9.039	(0.924)	83654	50.0000	50.98
103	Diallate 1	86	9.121	9.121	(0.932)	234349	50.0000	52.66
104	1,3,5-Trinitrobenzene	120	9.080	9.080	(0.928)	22230	50.0000	56.09(Q)
105	Phorate	121	9.132	9.132	(2.148)	117028	50.0000	48.28
106	Diallate 2	86	9.235	9.235	(0.944)	44315	50.0000	51.04
107	Phenacetin	108	9.142	9.142	(0.934)	280594	50.0000	51.28
109	Dimethoate	87	9.381	9.381	(0.959)	194414	50.0000	53.64
111	4-Aminobiphenyl	169	9.536	9.536	(0.975)	527398	50.0000	48.08
112	Pentachloronitrobenzene	295	9.733	9.733	(0.995)	24297	50.0000	53.34
113	Pronamide	173	9.702	9.702	(0.992)	216490	50.0000	54.14
116	Disulfoton	88	9.899	9.899	(1.012)	286013	50.0000	50.56
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.014)	86169	50.0000	55.20
119	Methyl Parathion	109	10.479	10.479	(2.465)	165404	50.0000	47.26
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.132)	52612	50.0000	57.54
123	Parathion	109	11.132	11.132	(1.138)	106899	50.0000	50.17
124	Methapyrilene	58	11.318	11.318	(1.157)	288975	50.0000	37.61
125	Isodrin	193	11.515	11.515	(0.809)	79846	50.0000	53.75
129	Aramite#1	185	12.500	12.500	(0.878)	39820	50.0000	71.94(H)
130	Aramite#2	185	12.635	12.635	(0.888)	50187	50.0000	58.91(H)
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	272531	50.0000	49.68
132	p-Chlorobenzilate	251	12.842	12.842	(1.312)	175299	50.0000	49.45
137	2-Acetylaminofluorene	181	13.754	13.754	(0.967)	256368	50.0000	52.07
143	Benzo(j)fluoranthene	252	16.065	16.065	(0.966)	562124	50.0000	52.37
146	7,12-Dimethylbenz(a)anthracene	256	16.085	16.085	(0.967)	299068	50.0000	50.77
149	3-Methylcholanthrene	268	17.153	17.153	(1.031)	323566	50.0000	52.32
150	Dibenz(a,j)acridine	279	18.117	18.117	(1.089)	420419	50.0000	46.43
M 154	Diallate (Total)	86				278664	50.0000	
M 155	Isosafrole (Total)	162				239712	50.0000	
M 156	Aramite (Total)	185				90007	50.0000	
M 157	3 and 4-methylphenol	108				279972	50.0000	
133	Kepone	272	13.277	13.277	(0.933)	52154	50.0000	44.52
135	Famphur	218	13.308	13.308	(0.935)	151614	50.0000	46.98

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\081710.B\AP90817J.D
Lab Smp Id: AP9_050 ug/ml ARAMI Client Smp ID: 8270F.M
Inj Date : 18-AUG-2010 00:47
Operator : KT Inst ID: sv5.i
Smp Info : AP9_050 ug/ml ARAMITE ICV;2;;4;;;;4
Misc Info : 3;;0;2AP9STD.SUB;10MSSV0336;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\081710.B\8270fap9.m
Meth Date : 18-Aug-2010 14:44 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2AP9STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.251	4.251	(1.000)	140958	40.0000	
* 2	Naphthalene-d8	136	5.671	5.671	(1.000)	626839	40.0000	
* 3	Acenaphthene-d10	164	7.785	7.785	(1.000)	330623	40.0000	
* 4	Phenanthrene-d10	188	9.785	9.785	(1.000)	516043	40.0000	
* 5	Chrysene-d12	240	14.230	14.230	(1.000)	468107	40.0000	
* 6	Perylene-d12	264	16.635	16.635	(1.000)	451046	40.0000	
17	2-Picoline	93	2.562	2.562	(0.603)	288016	50.0000	48.99
18	n-Nitrosomethylethylamine	88	2.655	2.655	(0.625)	135769	50.0000	50.98
19	Methyl methanesulfonate	80	2.914	2.914	(0.686)	91904	50.0000	40.96
21	n-Nitrosodiethylamine	102	3.256	3.256	(0.766)	144093	50.0000	52.43
22	Ethyl methanesulfonate	79	3.536	3.536	(0.832)	197837	50.0000	50.66
20	Benzaldehyde	106	3.816	3.816	(0.898)	37655	50.0000	8.193
25	Pentachloroethane	117	3.961	3.961	(0.932)	95687	50.0000	52.15
35	Acetophenone	105	4.707	4.707	(0.830)	378174	50.0000	51.81
38	n-Nitrosopyrrolidine	100	4.707	4.707	(1.107)	155661	50.0000	52.07
39	3-Methylphenol	108	4.696	4.696	(1.105)	279972	50.0000	51.32
40	o-Toluidine	106	4.759	4.759	(1.119)	463948	50.0000	51.47
41	n-Nitrosomorpholine	56	4.717	4.717	(1.110)	210607	50.0000	51.04
43	N-Nitrosopiperidine	42	5.070	5.070	(0.894)	207995	50.0000	50.60
48	o,o,o-TEPT	198	5.443	5.443	(0.960)	106585	50.0000	48.56
53	a-,a-Dimethylphenethylamine	58	5.598	5.598	(0.987)	311501	50.0000	17.51
56	Hexachloropropene	213	5.847	5.847	(1.031)	80151	50.0000	37.32
58	p-Phenylenediamine	108	6.189	6.189	(1.091)	164997	50.0000	22.52
59	N-Nitroso-di-n-butylamine	84	6.220	6.220	(1.097)	188578	50.0000	51.12
55	2,6-Dichlorophenol	162	5.795	5.795	(1.022)	205898	50.0000	52.13
61	Safrole	162	6.427	6.427	(1.133)	209575	50.0000	53.52
65	1-Methylnaphthalene	142	6.645	6.645	(1.172)	539795	50.0000	49.80
67	1,2,4,5-Tetrachlorobenzene	216	6.759	6.759	(0.868)	176638	50.0000	50.81
68	Isosafrole#1	162	6.779	6.779	(0.871)	35192	50.0000	49.47
72	Isosafrole#2	162	7.039	7.039	(0.904)	204520	50.0000	51.80
64	1-Chloronaphthalene	162	7.132	7.132	(0.916)	449809	50.0000	50.01
62	Biphenyl	154	7.080	7.080	(0.909)	657951	50.0000	49.99
74	1,4-Naphthoquinone	158	7.308	7.308	(0.939)	200854	50.0000	54.80

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
75	1,3-Dinitrobenzene	168	7.401	7.401	(0.951)	62933	50.0000	52.42
78	1,4-Dinitrobenzene	168	7.536	7.536	(0.968)	82645	50.0000	52.00
160	1,2-Dinitrobenzene	168	7.681	7.681	(0.987)	54632	50.0000	48.19
85	Pentachlorobenzene	250	8.064	8.064	(1.036)	162894	50.0000	50.43
87	1-Naphtylamine	143	8.137	8.137	(1.045)	502529	50.0000	44.32
88	2,3,4,6-Tetrachlorophenol	232	8.241	8.241	(1.059)	103512	50.0000	51.27
89	2-Naphthylamine	143	8.230	8.230	(1.057)	581449	50.0000	49.00
90	2,3,5,6-Tetrachlorophenol	232	8.189	8.189	(1.052)	83104	50.0000	43.94
95	5-Nitro-o-toluidine	152	8.541	8.541	(1.097)	162421	50.0000	48.52
96	Thionazin	97	8.531	8.531	(1.096)	118561	50.0000	51.25
99	Diphenylamine	169	8.655	8.655	(0.885)	464962	50.0000	53.48
102	Sulfotepp	97	9.039	9.039	(0.924)	83654	50.0000	50.98
103	Diallate 1	86	9.121	9.121	(0.932)	234349	50.0000	52.66
104	1,3,5-Trinitrobenzene	120	9.080	9.080	(0.928)	22230	50.0000	56.09
105	Phorate	121	9.132	9.132	(2.148)	117028	50.0000	48.28
106	Diallate 2	86	9.235	9.235	(0.944)	44315	50.0000	51.04
107	Phenacetin	108	9.142	9.142	(0.934)	280594	50.0000	51.28
109	Dimethoate	87	9.381	9.381	(0.959)	194414	50.0000	53.64
111	4-Aminobiphenyl	169	9.536	9.536	(0.975)	527398	50.0000	48.08
112	Pentachloronitrobenzene	295	9.733	9.733	(0.995)	24297	50.0000	53.34
113	Pronamide	173	9.702	9.702	(0.992)	216490	50.0000	54.14
116	Disulfoton	88	9.899	9.899	(1.012)	286013	50.0000	50.56
117	2-sec-Butyl-4,6-dinitrophenol	211	9.919	9.919	(1.014)	86169	50.0000	55.20
119	Methyl Parathion	109	10.479	10.479	(2.465)	165404	50.0000	47.26
122	4-Nitroquinoline-1-oxide	190	11.080	11.080	(1.132)	52612	50.0000	57.54
123	Parathion	109	11.132	11.132	(1.138)	106899	50.0000	50.17
124	Methapyrilene	58	11.318	11.318	(1.157)	288975	50.0000	37.61
125	Isodrin	193	11.515	11.515	(0.809)	79846	50.0000	53.75
129	Aramite#1	185	12.842	12.842	(0.902)	436	50.0000	0.7877
130	Aramite#2	185	12.842	12.842	(0.902)	436	50.0000	0.5118
131	p-Dimthylaminoazobenzene	120	12.717	12.717	(0.894)	272531	50.0000	49.68
132	p-Chlorobenzilate	251	12.842	12.842	(1.312)	175299	50.0000	49.45
137	2-Acetylaminofluorene	181	13.754	13.754	(0.967)	256368	50.0000	52.07
143	Benzo(j)fluoranthene	252	16.065	16.065	(0.966)	562124	50.0000	52.37
146	7,12-Dimethylbenz(a)anthracene	256	16.085	16.085	(0.967)	299068	50.0000	50.77
149	3-Methylcholanthrene	268	17.153	17.153	(1.031)	323566	50.0000	52.32
150	Dibenz(a,j)acridine	279	18.117	18.117	(1.089)	420419	50.0000	46.43
M 154	Diallate (Total)	86				278664	50.0000	52.39
M 155	Isosafrole (Total)	162				239712	50.0000	51.44
M 156	Aramite (Total)	185				872	50.0000	0.5453
M 157	3 and 4-methylphenol	108				279972	50.0000	51.32
133	Kepone	272	13.277	13.277	(0.933)	52154	50.0000	44.52
135	Famphur	218	13.308	13.308	(0.935)	151614	50.0000	46.98

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: AP90817J.D
Lab Smp Id: AP9_050 ug/ml ARAMI
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\081710.B\8270fap9.m
Misc Info: 3;;0;2AP9STD.SUB;10MSSV0336;0;8270F.M

Calibration Date: 18-AUG-2010
Calibration Time: 00:21
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	130190	65095	260380	140958	8.27
2 Naphthalene-d8	576581	288291	1153162	626839	8.72
3 Acenaphthene-d10	314990	157495	629980	330623	4.96
4 Phenanthrene-d10	511426	255713	1022852	516043	0.90
5 Chrysene-d12	480980	240490	961960	468107	-2.68
6 Perylene-d12	450650	225325	901300	451046	0.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.25	3.75	4.75	4.25	0.00
2 Naphthalene-d8	5.67	5.17	6.17	5.67	0.00
3 Acenaphthene-d10	7.79	7.29	8.29	7.79	0.00
4 Phenanthrene-d10	9.79	9.29	10.29	9.79	0.00
5 Chrysene-d12	14.23	13.73	14.73	14.23	0.00
6 Perylene-d12	16.64	16.14	17.14	16.64	0.00

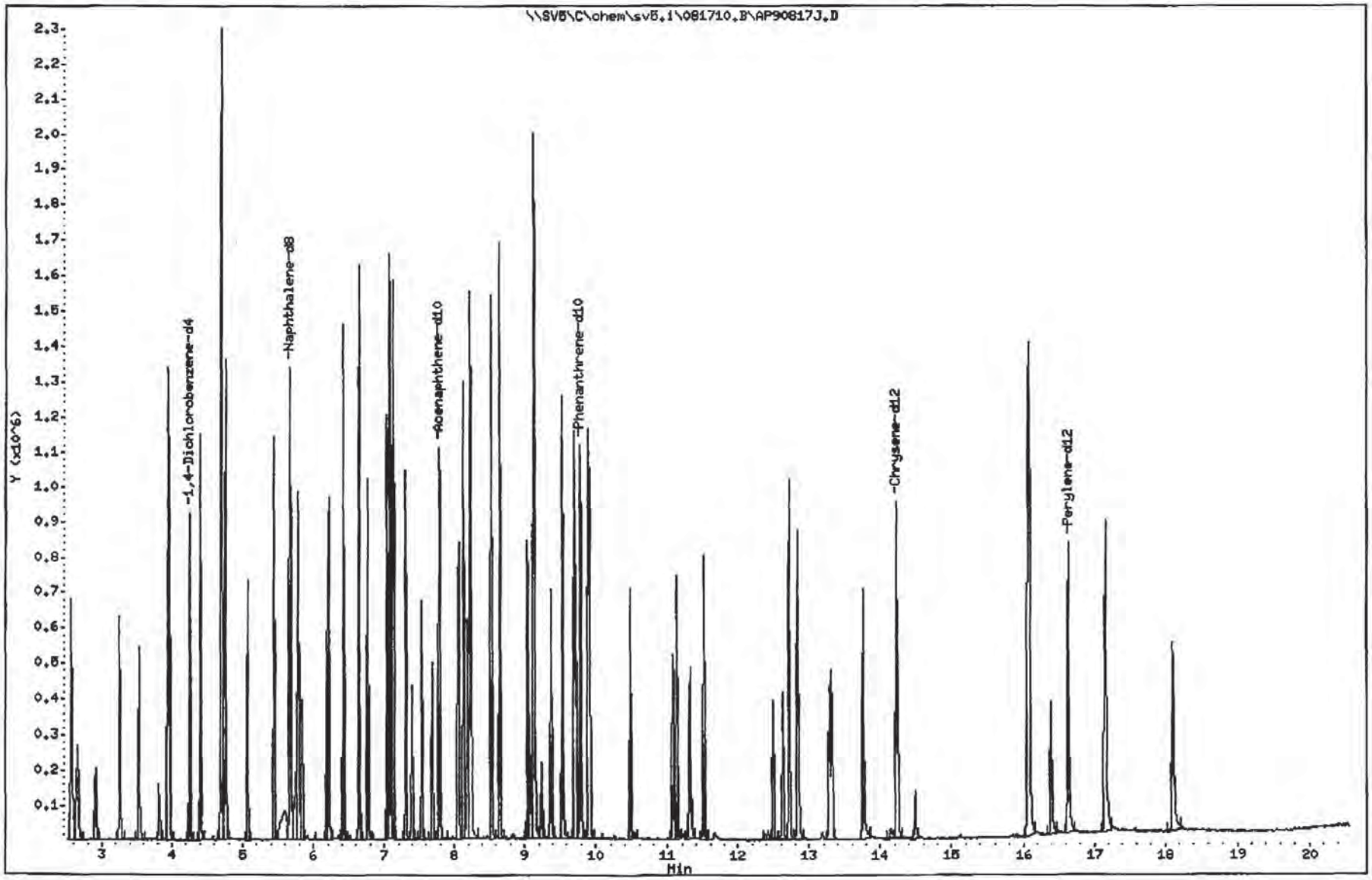
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\081710.B\AP90817J.D
Date : 18-AUG-2010 00:47
Client ID: 8270F.M
Sample Info: AP9_050 ug/ml ARAMITE ICV;2;;4;;;;;4

Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:30 sv5.i
Curve Type : Average

Calibration File Names:
Level 1: \\SV5\C\chem\sv5.i\081710.B\AP90817A.D
Level 2: \\SV5\C\chem\sv5.i\081710.B\AP90817B.D
Level 3: \\SV5\C\chem\sv5.i\081710.B\AP90817C.D
Level 4: \\SV5\C\chem\sv5.i\081710.B\AP90817D.D
Level 5: \\SV5\C\chem\sv5.i\081710.B\AP90817E.D
Level 6: \\SV5\C\chem\sv5.i\081710.B\AP90817F.D
Level 7: \\SV5\C\chem\sv5.i\081710.B\AP90817G.D

original RRF 8/17/10

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
17 2-Picoline	1.71577	1.54858	1.65613	1.59787	1.60690	1.82860		
	1.72445						1.66833	5.703
18 n-Nitrosomethylethylamine	0.78914	0.67869	0.74839	0.74055	0.76823	0.78911		
	0.77595						0.75572	5.129
19 Methyl methanesulfonate	0.58791	0.64421	0.63829	0.62820	0.62670	0.67553		
	0.65647						0.63676	4.306
21 n-Nitrosodiethylamine	0.70698	0.70661	0.77489	0.79916	0.82397	0.82822		
	0.81932						0.77988	6.808
22 Ethyl methanesulfonate	1.09949	1.02612	1.12026	1.10205	1.12018	1.14655		
	1.14207						1.10810	3.639
20 Benzaldehyde	1.26800	1.24704	1.35148	1.30355	1.30998	1.34277		
	1.30640						1.30417	2.859
25 Pentachloroethane	0.51320	0.49668	0.53228	0.51017	0.51782	0.54271		
	0.53175						0.52066	3.030
35 Acetophenone	0.44447	0.45078	0.48667	0.46708	0.46889	0.46503		
	0.47781						0.46582	3.126

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:30 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
38 n-Nitrosopyrrolidine	0.81043	0.78134	0.84101	0.85721	0.87264	0.90775		
	0.86814						0.84836	4.947
39 3-Methylphenol	1.45766	1.37015	1.55012	1.55393	1.60822	1.65062		
	1.64670						1.54820	6.657
40 o-Toluidine	2.44397	2.44634	2.53001	2.58045	2.63206	2.67297		
	2.60096						2.55811	3.471
41 n-Nitrosomorpholine	1.14444	1.12820	1.16399	1.16253	1.19767	1.20986		
	1.18920						1.17084	2.517
43 N-Nitrosopiperidine	0.24684	0.23963	0.26279	0.27190	0.26971	0.27184		
	0.27351						0.26232	5.202
48 o,o,o-TEPT	0.13210	0.13253	0.13719	0.14402	0.14536	0.14157		
	0.14768						0.14007	4.445
53 a-,a-Dimethylphenethylamine	1.00454	1.01424	1.11451	1.18029	1.18471	1.20565		
	1.24433						1.13547	8.315
56 Hexachloropropene	0.12532	0.11624	0.13691	0.13782	0.14152	0.14660		
	0.15480						0.13703	9.410
58 p-Phenylenediamine	0.39773	0.41166	0.45848	0.49856	0.49491	0.50120		
	0.50979						0.46748	9.845
59 N-Nitroso-di-n-butylamine	0.21444	0.20727	0.22883	0.25062	0.24537	0.24675		
	0.25448						0.23539	7.943
55 2,6-Dichlorophenol	0.24709	0.22506	0.25177	0.25546	0.25679	0.26308		
	0.26499						0.25204	5.315

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:30 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
61 Safrole	0.20835	0.22725	0.25444	0.26741	0.26287	0.26320		
	0.26556						0.24987	9.180
65 1-Methylnaphthalene	0.65074	0.66198	0.69825	0.70116	0.71492	0.70359		
	0.71067						0.69162	3.607
67 1,2,4,5-Tetrachlorobenzene	0.42147	0.42480	0.43091	0.41833	0.42047	0.40684		
	0.42116						0.42057	1.735
68 Isosafrole#1	0.09722	0.07815	0.08393	0.08577	0.08520	0.08346		
	0.08868						0.08606	6.811
72 Isosafrole#2	0.45689	0.46608	0.45744	0.48268	0.49305	0.47369		
	0.51415						0.47771	4.344
64 1-Chloronaphthalene	1.03055	1.13065	1.12118	1.08461	1.08672	1.05848		
	1.10532						1.08822	3.228
62 Biphenyl	1.57618	1.55603	1.64111	1.59003	1.59480	1.55136		
	1.63685						1.59234	2.239
74 1,4-Naphthoquinone	0.38503	0.40185	0.44389	0.47545	0.46156	0.45525		
	0.48114						0.44345	8.262
75 1,3-Dinitrobenzene	0.11138	0.10341	0.11773	0.15185	0.14959	0.17108		
	0.19160						0.14238	23.072
78 1,4-Dinitrobenzene	0.11332	0.11280	0.15719	0.19753	0.20170	0.21024		
	0.22364						0.17377	26.589
160 1,2-Dinitrobenzene	0.10872	0.10392	0.12379	0.15297	0.13855	0.14834		
	0.16153						0.13397	16.668

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:30 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
85 Pentachlorobenzene	0.39394	0.39686	0.39693	0.38513	0.38750	0.37608		
	0.39924						0.39081	2.129
87 1-Naphthylamine	1.24749	1.27769	1.35787	1.43749	1.35876	1.42518		
	1.49730						1.37168	6.493
88 2,3,4,6-Tetrachlorophenol	0.19424	0.22570	0.24847	0.25796	0.25181	0.26383		
	0.26768						0.24424	10.625
89 2-Naphthylamine	1.30236	1.32467	1.44671	1.49008	1.47668	1.47000		
	1.53785						1.43548	6.131
90 2,3,5,6-Tetrachlorophenol	0.18849	0.19947	0.21856	0.24343	0.23531	0.25202		
	0.26427						0.22879	12.159
95 5-Nitro-o-toluidine	0.25979	0.28829	0.33431	0.39580	0.40304	0.41843		
	0.44989						0.36422	19.527
96 Thionazin	0.24146	0.23943	0.25721	0.29867	0.29327	0.30548		
	0.32351						0.27986	11.956
99 Diphenylamine	0.60427	0.63588	0.66698	0.69832	0.70819	0.70008		
	0.70362						0.67390	5.961
102 Sulfotepp	0.10576	0.11463	0.12123	0.13530	0.13507	0.13806		
	0.14028						0.12719	10.497
103 Diallate 1	0.30881	0.31985	0.33927	0.36372	0.36321	0.35664		
	0.36330						0.34497	6.618
104 1,3,5-Trinitrobenzene	0.02075	0.01470	0.02316	0.03108	0.03333	0.04307		
	0.04520						0.03018	37.784

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:30 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
105 Phorate	0.55350	0.56976	0.65630	0.76057	0.72701	0.79150		
	0.75621						0.68784	13.948
106 Diallate 2	0.06500	0.06396	0.06249	0.07007	0.06993	0.06934		
	0.07029						0.06730	4.976
107 Phenacetin	0.29931	0.31758	0.36950	0.41543	0.41738	0.44593		
	0.44829						0.38763	15.541
109 Dimethoate	0.23576	0.24489	0.26688	0.31188	0.30923	0.29972		
	0.29813						0.28093	11.205
111 4-Aminobiphenyl	0.74458	0.76217	0.83651	0.90959	0.90032	0.89199		
	0.90590						0.85015	8.315
112 Pentachloronitrobenzene	0.02908	0.02931	0.03463	0.03857	0.03847	0.03821		
	0.03890						0.03531	12.518
113 Pronamide	0.25111	0.25839	0.29710	0.33657	0.33646	0.34613		
	0.34396						0.30996	13.278
116 Disulfoton	0.36018	0.37055	0.41742	0.46903	0.47383	0.48773		
	0.49042						0.43845	12.663
117 2-sec-Butyl-4,6-dinitrophenol	0.06148	0.06736	0.07863	0.12513	0.12890	0.15255		
	0.16658						0.11152	37.936
119 Methyl Parathion	0.45602	0.53471	0.69180	1.05742	1.02733	1.09279		
	1.03238						0.84178	32.384
122 4-Nitroquinoline-1-oxide	0.03117	0.02965	0.04281	0.07466	0.07522	0.10132		
	0.11007						0.06642	49.257

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 17-AUG-2010 23:55
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:30 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	160.000 Level 7	RRF	% RSD
123 Parathion	0.08256	0.08566	0.12807	0.17062	0.16642	0.18681	0.18660	0.14382	31.469
124 Methapyrilene	0.47255	0.52025	0.58419	0.69564	0.67587	0.64882	0.57165	0.59557	13.847
125 Isodrin	0.11413	0.11544	0.13388	0.12857	0.13309	0.12620	0.13721	0.12693	7.128
129 Aramite#1	0.03296	0.03041	0.03678	0.05431	0.05581	0.05824	0.06257	0.04730	28.316
130 Aramite#2	0.04605	0.04806	0.06742	0.08232	0.08453	0.08797	0.09322	0.07280	26.495
131 p-Dimthylaminoazobenzene	0.30843	0.33134	0.42147	0.46469	0.48015	0.47388	0.50075	0.42582	17.965
132 p-Chlorobenzilate	0.17824	0.18517	0.22446	0.27091	0.26708	0.29629	0.29601	0.24545	20.268
137 2-Acetylaminofluorene	0.21428	0.23688	0.32048	0.41901	0.44599	0.49161	0.52953	0.37968	32.645
143 Benzo(j)fluoranthene	0.82673	0.79433	0.92321	0.98943	1.04750	1.03526	1.04705	0.95193	11.173
146 7,12-Dimethylbenz(a)anthracen	0.45448	0.46291	0.52467	0.53596	0.56414	0.55482	0.55995	0.52240	8.752
149 3-Methylcholanthrene	0.44675	0.46186	0.52232	0.56695	0.58420	0.61004	0.64678	0.54842	13.647

TestAmerica West Sacramento

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Method file : \\SV5\C\chem\sv5.i\081710.B\8270f.m
Last Edit : 18-Aug-2010 14:30 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
150 Dibenz(a,j)acridine	0.59401	0.60383	0.70123	0.75972	0.78503	0.85785		
	0.88542						0.74101	15.466
M 154 Diallate (Total)	0.37381	0.38381	0.40177	0.43379	0.43314	0.42598		
	0.43359						0.41227	6.216
M 155 Isosafrole (Total)	0.55411	0.54423	0.54137	0.56845	0.57825	0.55715		
	0.60282						0.56377	3.817
M 156 Aramite (Total)	0.07901	0.07847	0.10420	0.13663	0.14035	0.14621		
	0.15580						0.12009	27.011
M 157 3 and 4-methylphenol	1.45766	1.37015	1.55012	1.55393	1.60822	1.65062		
	1.64670						1.54820	6.657
133 Kepone	0.09629	0.10432	0.10406	0.10125	0.09453	0.06272		
	0.04151						0.08638	28.329
135 Famphur	0.25866	0.26501	0.29114	0.29531	0.26864	0.15708		
	0.10726						0.23473	31.000

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento

MS SemiVOA ICAL Checklist
Method 8270C

Instrument: SV5

Injection Date: 10/02/10

Initiator/Date: KT-10/03/10

Reviewer/Date: DuZy 10/4/10

DFTPP Mix ID: 10MSSV0129

STD Mix IDs: 10MSSV0307-0313

2nd Source Mix ID: 10MSSV0314, 342

NCM _____

I: SPCCs The SPCC RRFs must be greater than 0.050.

	Initiated	Reviewed		Initiated	Reviewed
N-nitroso-di-n-propylamine	☒	☒	2,4-Dinitrophenol	☒	☒
Hexachlorocyclopentadiene	☒	☒	4-Nitrophenol	☒	☒

II: CCCs The CCC % RSDs must be less than 30%

	Initiated	Reviewed		Initiated	Reviewed
Phenol	☒	☒	Acenaphthene	☒	☒
1,4-Dichlorobenzene	☒	☒	N-nitrosodiphenylamine	☒	☒
2-Nitrophenol	☒	☒	Pentachlorophenol	☒	☒
2,4-Dichlorophenol	☒	☒	Fluoranthene	☒	☒
Hexachlorobutadiene	☒	☒	Di-n-octyl phthalate	☒	☒
4-chloro-3-methylphenol	☒	☒	Benzo(a)pyrene	☒	☒
2,4,6-Trichlorophenol	☒	☒			

III: Other Criteria

	Initiated	Reviewed
The custom.rp shows that the average of the average is less than 15% on the CCV level standard. Avg of AVG:_____	☒	☒
Tailing and degradation criteria are met.	☒	☒
The Tune Documentation is present and meets criteria	☒	☒
All Internal Standards within 50-200% of ICAL mid-point.	☒	☒
Calibration History Included.	☒	☒
Manual re-integrations are checked/initialed and hardcopies included.	☒	☒
Standards analyzed with within 12 hours of Tune time.	☒	☒
Retention time correct for Isomers and all other analytes.	☒	☒
Linear Regressions >0.990 and intercept < ± (½ RL / IS amount)	☒	☒
The second source standard meets the SSCS criteria	☒	☒

File Name: _____

IV: Non-CCC Compounds Over 15% ***(Write compound and %D)***

None

V: Second Source Compounds Over 25% ***(Write compound and %D)***

None

TestAmerica West Sacramento Page# 57

GC/MS INSTRUMENT LOG
SEMI-VOLATILES

Method Key (MTH Column)
QL = EPA 8270C (WS-MS-0005)
JZ = EPA TO-13A (WS-MS-0005).
VX = EPA 8270C-SIM (mod) CWM (WS-MS-0003)
QI = EPA 8270C-SIM (mod) (WS-MS-0008)
FX = PAH-SIM Isotope Dilution (WS-MS-0006)
F9 = EPA 8270C-SIM (mod) 1,4-Dioxane (WS-MS-0011)

Inst ID : sv5.i
Batch ID : 100210.B
ICAL Date: See Calib Report
See raw data for standard IDs

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
02-OCT-2010	11:43	KT	Primer	QC001.D	NA	NA	NA		
02-OCT-2010	12:06	KT	DFTPP 50ug/ml	DFT1002.D	NA	NA	NA		
02-OCT-2010	12:27	KT	HSL_005 ug/ml CS-1	HSL1002A.	NA	NA	NA		
02-OCT-2010	12:53	KT	HSL_010 ug/ml CS-2	HSL1002B.	NA	NA	NA		
02-OCT-2010	13:18	KT	HSL_020 ug/ml CS-3	HSL1002C.	NA	NA	NA		
02-OCT-2010	13:44	KT	HSL_050 ug/ml CS-4	HSL1002D.	NA	NA	NA		
02-OCT-2010	14:09	KT	HSL_080 ug/ml CS-5	HSL1002E.	NA	NA	NA		
02-OCT-2010	14:35	KT	HSL_120 ug/ml CS-6	HSL1002F.	NA	NA	NA		
02-OCT-2010	15:00	KT	HSL_160 ug/ml CS-7	HSL1002G.	NA	NA	NA		
02-OCT-2010	16:11	KT	HSL_050 ug/ml ICV	HSL1002H.	NA	NA	NA		
02-OCT-2010	16:36	KT	Benzidines ICV 50ug/mL	HSL1002H1	NA	NA	NA		

SV5 HSL
10/3/10

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Calibration File Names:
Level 1: \\SV5\C\chem\sv5.i\081710.B\AP90817A.D
Level 2: \\SV5\C\chem\sv5.i\081710.B\AP90817B.D
Level 3: \\SV5\C\chem\sv5.i\081710.B\AP90817C.D
Level 4: \\SV5\C\chem\sv5.i\081710.B\AP90817D.D
Level 5: \\SV5\C\chem\sv5.i\081710.B\AP90817E.D
Level 6: \\SV5\C\chem\sv5.i\081710.B\AP90817F.D
Level 7: \\SV5\C\chem\sv5.i\081710.B\AP90817G.D

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
15 N-Nitrosodimethylamine	0.92899	0.88268	0.91048	0.91970	0.93146	0.93916					
	0.93833						AVRG		0.92154		2.16207
16 Pyridine	1.67117	1.37423	1.59449	1.56610	1.52299	1.53256					
	1.52623						AVRG		1.54111		5.85660
23 Aniline	2.20796	2.15935	2.19988	2.26058	2.29749	2.33400					
	2.33783						AVRG		2.26673		3.09783
24 Phenol	2.04111	1.96212	2.02834	2.03430	2.06683	2.06089					
	2.06740						AVRG		2.03729		1.80250

Manual calculation for 2,4,5-Trichlorophenol @ Level 3.

$\frac{55529}{328608} \times \frac{400}{20} = 0.33796$ by 10/4/10

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
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Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
26 Bis(2-chloroethyl)ether	1.47335	1.38282	1.39491	1.43824	1.42549	1.44300					
	1.44264						AVRG		1.42859		2.17028
27 2-Chlorophenol	1.52099	1.55595	1.56903	1.58168	1.56789	1.58074					
	1.57039						AVRG		1.56381		1.32805
28 1,3-Dichlorobenzene	1.68903	1.69173	1.67754	1.73135	1.68641	1.72299					
	1.72457						AVRG		1.70337		1.29370
29 1,4-Dichlorobenzene	1.77122	1.79861	1.74013	1.76898	1.78200	1.79288					
	1.81444						AVRG		1.78118		1.35229
30 Benzyl Alcohol	1.01643	1.03654	0.99182	1.04980	1.07792	1.08952					
	1.09506						AVRG		1.05101		3.69696
31 1,2-Dichlorobenzene	1.62008	1.63185	1.60455	1.68061	1.63410	1.64415					
	1.64691						AVRG		1.63746		1.45884
32 2-Methylphenol	1.40818	1.38930	1.39110	1.42620	1.45565	1.46154					
	1.47889						AVRG		1.43012		2.60558

TestAmerica West Sacramento

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Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
33 2,2'-oxybis(1-Chloropropane)	2.29602	2.22080	2.28329	2.27928	2.27018	2.27830					
	2.28770						AVRG		2.27365		1.08468
34 4-Methylphenol	1.48606	1.48913	1.46270	1.52239	1.52653	1.55886					
	1.58763						AVRG		1.51904		2.88378
36 Hexachloroethane	0.60928	0.60836	0.60573	0.61394	0.60427	0.59381					
	0.60919						AVRG		0.60636		1.04319
37 N-Nitrosodinpropylamine	0.94498	0.97005	1.01302	1.02370	1.04700	1.03627					
	1.04787						AVRG		1.01180		3.92615
42 Nitrobenzene	0.32855	0.32602	0.32543	0.33083	0.33379	0.33450					
	0.33901						AVRG		0.33116		1.48904
44 Isophorone	0.63431	0.62291	0.61160	0.63344	0.63648	0.66468					
	0.65411						AVRG		0.63679		2.81109
45 2-Nitrophenol	0.18608	0.18833	0.18840	0.20021	0.20022	0.20702					
	0.20508						AVRG		0.19648		4.42274

TestAmerica West Sacramento

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Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
46 2,4-Dimethyphenol	0.34459	0.34167	0.34307	0.34912	0.34788	0.35962					
	0.35785						AVRG		0.34911		2.02786
47 Bis(2-chloroethoxy)methane	0.41146	0.37494	0.38565	0.38249	0.38500	0.39859					
	0.38545						AVRG		0.38908		3.10601
49 2,4-Dichlorophenol	0.25434	0.26318	0.27019	0.27037	0.27274	0.28180					
	0.27809						AVRG		0.27010		3.39345
50 Benzoic Acid	0.16747	0.16266	0.17423	0.19357	0.21024	0.22272					
	0.22180						AVRG		0.19324		13.25203
51 1,2,4-Trichlorobenzene	0.29430	0.28827	0.28475	0.29747	0.29189	0.29959					
	0.29091						AVRG		0.29246		1.76989
52 Naphthalene	1.09939	1.12462	1.07435	1.09325	1.09870	1.13821					
	1.10247						AVRG		1.10443		1.89960
54 4-Chloroaniline	0.40751	0.42534	0.43264	0.43910	0.43781	0.44905					
	0.43867						AVRG		0.43288		3.06843

TestAmerica West Sacramento

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Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
57 Hexachlorobutadiene	0.14295	0.13812	0.14428	0.14415	0.14385	0.14379					
	0.14473						AVRG		0.14313		1.58904
60 4-Chloro-3-Methylphenol	0.29329	0.28866	0.29079	0.30972	0.30295	0.31766					
	0.30839						AVRG		0.30164		3.64422
63 2-Methylnaphthalene	0.68483	0.68064	0.68080	0.70067	0.70560	0.71172					
	0.69217						AVRG		0.69378		1.79740
66 Hexachlorocyclopentadiene	0.26878	0.27757	0.28896	0.29704	0.30236	0.32262					
	0.33186						AVRG		0.29646		7.64489
69 2,4,6-Trichlorophenol	0.31186	0.29820	0.30223	0.31996	0.32305	0.34225					
	0.33638						AVRG		0.31913		5.15654
70 2,4,5-Trichlorphenol	0.30823	0.32892	0.33796	0.36298	0.35236	0.35480					
	0.36136						AVRG		0.34380		5.80662
71 2-Chloronaphthalene	1.13629	1.09411	1.10012	1.14181	1.11220	1.14447					
	1.15096						AVRG		1.12571		2.05054

TestAmerica West Sacramento

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Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
73 2-Nitroaniline	0.31576	0.31759	0.33397	0.35205	0.34821	0.35794					
	0.36278						AVRG		0.34119		5.57334
76 Dimethylphthalate	1.23388	1.25191	1.29803	1.34568	1.31165	1.32891					
	1.30237						AVRG		1.29606		3.09317
77 Acenaphthylene	1.86531	1.91304	1.91818	2.01646	1.98204	1.99786					
	2.02968						AVRG		1.96037		3.18026
79 2,6-Dinitrotoluene	0.28347	0.27378	0.29890	0.31220	0.31294	0.32140					
	0.31106						AVRG		0.30197		5.78579
80 3-Nitroaniline	0.35362	0.34622	0.35978	0.40036	0.38674	0.39559					
	0.39603						AVRG		0.37691		6.06861
81 Acenaphthene	1.25874	1.22468	1.26733	1.27046	1.21141	1.24781					
	1.25463						AVRG		1.24787		1.76776
82 2,4-Dinitrophenol	4083	7537	23799	58864	110384	199007					
	265655						QUAD	0.10620	5.32413	-0.71963	0.99812

TestAmerica West Sacramento

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Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
83 Dibenzofuran	1.57786	1.62124	1.65200	1.69530	1.65117	1.68450					
	1.71077						AVRG		1.65612		2.77923
84 4-Nitrophenol	0.12712	0.14148	0.15316	0.16076	0.17130	0.16653					
	0.17404						AVRG		0.15634		10.90920
86 2,4-Dinitrotoluene	0.34360	0.36989	0.38479	0.42164	0.41035	0.42305					
	0.43110						AVRG		0.39633		8.61592
91 Fluorene	1.34867	1.33840	1.34292	1.39902	1.38899	1.37835					
	1.40640						AVRG		1.37139		2.08557
92 Diethylphthalate	1.22240	1.29889	1.31549	1.37912	1.31873	1.37345					
	1.38087						AVRG		1.32699		4.31889
93 4-Chlorophenyl-phenylether	0.54964	0.56917	0.56887	0.59265	0.56708	0.57695					
	0.57695						AVRG		0.57019		2.42913
94 4-Nitroaniline	0.33346	0.33747	0.37329	0.38337	0.39216	0.39102					
	0.40452						AVRG		0.37361		7.42395

G0K200425

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
97 4,6-Dinitro-2-methylphenol	5780	11282	32982	76137	134784	236477					
	324244						LINR	0.10840	0.15581		0.99840
98 N-Nitrosodiphenylamine	0.57756	0.59736	0.60533	0.60433	0.62172	0.61801					
	0.61968						AVRG		0.60628		2.57715
100 Azobenzene	0.77527	0.76968	0.77321	0.79522	0.80064	0.81892					
	0.77331						AVRG		0.78660		2.37146
101 4-Bromophenyl-phenylether	0.18964	0.18507	0.19281	0.19931	0.19607	0.20581					
	0.19816						AVRG		0.19527		3.48752
108 Hexachlorobenzene	0.22958	0.22054	0.20740	0.21605	0.21731	0.21704					
	0.21854						AVRG		0.21807		3.00928
110 Pentachlorophenol	5849	10551	30451	67882	126397	216360					
	293184						LINR	0.09816	0.14122		0.99845
114 Phenanthrene	1.30347	1.26007	1.25408	1.24163	1.24375	1.25610					
	1.26611						AVRG		1.26074		1.64308

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INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
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Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
115 Anthracene	1.25034	1.21759	1.24206	1.25982	1.27529	1.30214					
	1.26958						AVRG		1.25955		2.12888
118 Carbazole	1.13211	1.12547	1.13694	1.14260	1.17067	1.18192					
	1.16455						AVRG		1.15061		1.87826
120 Di-n-Butylphthalate	1.28492	1.32287	1.36193	1.38164	1.41474	1.43847					
	1.48636						AVRG		1.38442		4.97257
126 Fluoranthene	1.03840	1.07611	1.17216	1.10620	1.15861	1.18294					
	1.17440						AVRG		1.12969		5.01774
127 Benzidine	0.78175	0.76431	0.75250	0.82658	0.82201	0.86375					
	0.86381						AVRG		0.81067		5.60614
128 Pyrene	1.25791	1.23783	1.17078	1.28684	1.25586	1.28463					
	1.25794						AVRG		1.25025		3.12172
134 3,3'-dimethylbenzidine	0.65472	0.64388	0.67361	0.70756	0.73630	0.79414					
	0.79926						AVRG		0.71564		8.88815

TestAmerica West Sacramento

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Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
136 Butylbenzylphthalate	0.64984	0.60187	0.59142	0.62586	0.61590	0.65233					
	0.64920						AVRG		0.62663		3.95034
138 Benzo(a)Anthracene	1.10169	0.99731	1.03245	1.04489	1.06449	1.10831					
	1.10920						AVRG		1.06548		4.05847
139 Chrysene	1.05284	1.10175	1.06320	1.09705	1.06985	1.12241					
	1.12246						AVRG		1.08994		2.59426
140 3,3'-Dichlorobenzidine	0.39148	0.37695	0.39090	0.39906	0.40353	0.42717					
	0.42415						AVRG		0.40189		4.53885
141 bis(2-ethylhexyl)Phthalate	0.91826	0.80897	0.84032	0.86193	0.84371	0.89539					
	0.88354						AVRG		0.86316		4.34816
142 Di-n-octylphthalate	1.34838	1.23185	1.35627	1.34433	1.39366	1.47616					
	1.50770						AVRG		1.37975		6.66055
144 Benzo(b)fluoranthene	0.81012	0.81077	0.82747	0.99930	0.95373	0.91132					
	1.02572						AVRG		0.90549		10.05836

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Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
145 Benzo(k)fluoranthene	1.22939	1.16528	1.20022	1.09895	1.14223	1.19597					
	1.10447						AVRG		1.16236		4.27893
147 Benzo(e)pyrene	0.90394	0.92734	0.90757	0.95977	0.96997	0.96929					
	0.97185						AVRG		0.94425		3.22007
148 Benzo(a)pyrene	0.98300	0.97686	0.99402	1.02789	1.07610	1.06275					
	1.06523						AVRG		1.02655		4.11137
151 Indeno(1,2,3-cd)pyrene	0.73783	0.73267	0.73671	0.84698	0.84057	0.93730					
	0.97995						AVRG		0.83029		12.16083
152 Dibenzo(a,h)anthracene	0.88099	0.84384	0.87256	0.92240	0.95990	1.00944					
	1.00392						AVRG		0.92758		7.07091
153 Benzo(g,h,i)perylene	0.96028	0.98457	0.97380	0.99974	1.01731	1.05397					
	1.04026						AVRG		1.00427		3.45188
M 162 benzo b,k Fluoranthene Totals	2.03951	1.97605	2.02770	2.09825	2.09596	2.10729					
	2.13019						AVRG		2.06785		2.64859

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Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	160.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 7 2-Fluorophenol	1.44503	1.30436	1.38373	1.44170	1.43635	1.42292						
							1.43635	AVRG		1.40992		3.61494
$ 8 Phenol-d5	1.72227	1.67335	1.74151	1.79006	1.80863	1.83864						
							1.83627	AVRG		1.77296		3.52001
$ 9 2-Chlorophenol-d4	1.47770	1.55530	1.53916	1.59414	1.57486	1.57967						
							1.57804	AVRG		1.55698		2.52388
$ 10 1,2-Dichlorobenzene-d4	0.95776	0.98111	0.99827	0.98914	0.99818	0.98547						
							0.98896	AVRG		0.98513		1.35559
$ 11 Nitrobenzene-d5	0.33028	0.34256	0.33065	0.34105	0.33606	0.35127						
							0.33970	AVRG		0.33879		2.16217
$ 12 2-Fluorobiphenyl	1.28499	1.26007	1.27660	1.34206	1.25854	1.29723						
							1.30010	AVRG		1.28852		2.22622
$ 13 2,4,6-Tribromophenol	0.15034	0.16527	0.17466	0.17926	0.17825	0.18501						
							0.18390	AVRG		0.17381		7.05197

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Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
$ 14 Terphenyl-d14	0.78508	0.78616	0.73917	0.80441	0.78047	0.81989					
	0.80107						AVRG		0.78789		3.21384

TestAmerica West Sacramento

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Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:09 onishim

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Signal Calibration Report

Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit: 04-Oct-2010 09:00 onishim
Compound : 82 2,4-Dinitrophenol
Mass: 184.00
Istd Compound: * 3 Acenaphthene-d10

Calibration Formulas

Calibration Mode: by Response

Curve Type: Averaged
Origin: None
Amt = Rsp/m1
m1 = 0.15933171100000
RSD: 26.349

Initial Calibration Table

Lvl	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	7.572	5.00000	4083	7.468	40.000	321839	0.10149173965865
2	7.572	10.00000	7537	7.468	40.000	272639	0.11057845722732
3	7.572	20.00000	23799	7.468	40.000	328608	0.14484735612036
4	7.582	50.00000	58864	7.468	40.000	282538	0.16667209366528
5	7.572	80.00000	110384	7.468	40.000	300315	0.18378036395118
6	7.582	120.00000	199007	7.468	40.000	322596	0.20563077864160
7	7.582	160.00000	265655	7.478	40.000	328259	0.20232118540543

Lvl	Sublist	Calibration File
1	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002A
2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002B
3	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002C
4	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D
5	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002E
6	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002F
7	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002G

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor

1	7.582	50.000	50142	7.468	40.000	236662	0.16949742670982
2	7.572	50.000	58864	7.468	40.000	282538	0.16667209366528
3	7.582	50.000	56608	7.468	40.000	239304	0.18924213552636
4	7.589	50.000	98553	7.485	40.000	440855	0.17883975456783
5	7.599	50.000	81881	7.485	40.000	371846	0.17616109894957
6	7.599	50.000	55069	7.495	40.000	283828	0.15521794889863
7	7.599	50.000	52896	7.496	40.000	256342	0.16507946415336
8	7.599	50.000	50586	7.495	40.000	224545	0.18022578993075
9	7.610	50.000	31559	7.506	40.000	165705	0.15236233064784
10	7.610	50.000	50181	7.506	40.000	226613	0.17714666466625
11	7.610	50.000	44092	7.506	40.000	201923	0.17468837130986
12	7.620	50.000	81056	7.516	40.000	329174	0.19699247206645
13	7.620	50.000	93793	7.516	40.000	378407	0.19829020076267
14	7.630	50.000	68549	7.516	40.000	271629	0.20189007801082
15	7.630	50.000	54835	7.516	40.000	219680	0.19969045884924
16	7.630	50.000	67628	7.527	40.000	267569	0.20219980640508
17	7.630	50.000	94376	7.527	40.000	349016	0.21632475301992
18	7.635	50.000	51607	7.532	40.000	209252	0.19730086211840
19	7.635	50.000	62563	7.531	40.000	260404	0.19220288474831
20	7.646	50.000	80386	7.542	40.000	334425	0.19229662854153
21	7.645	50.000	25473	7.542	40.000	302573	0.06735035842590
22	7.645	50.000	17649	7.542	40.000	223404	0.06320030080034
23	7.646	50.000	68382	7.542	40.000	292758	0.18686286967393
24	7.656	50.000	97952	7.552	40.000	390143	0.20085353319168
25	7.656	50.000	63647	7.552	40.000	289221	0.17605084001507
26	7.666	50.000	79703	7.563	40.000	331752	0.19219899201813
27	7.677	50.000	59624	7.573	40.000	245725	0.19411618679418
28	7.687	50.000	60561	7.583	40.000	237909	0.20364425053277
29	7.687	50.000	42226	7.583	40.000	172923	0.19535168832370
30	7.687	50.000	51997	7.583	40.000	208221	0.19977619932668
31	7.697	50.000	51275	7.594	40.000	202822	0.20224630464151
32	7.697	50.000	65531	7.594	40.000	250339	0.20941523294413
33	7.760	50.000	76785	7.656	40.000	344524	0.17829817371214

34	7.759	50.000	68725	7.656	40.000	303207	0.18132826748723
35	7.770	50.000	66249	7.666	40.000	308864	0.17159397016162
36	7.780	50.000	63983	7.677	40.000	288883	0.17718730420274
37	7.780	50.000	61267	7.677	40.000	292290	0.16768825481542
38	7.791	50.000	56069	7.687	40.000	238922	0.18773993186061
39	7.791	50.000	50573	7.687	40.000	243613	0.16607652300986
40	7.791	50.000	55930	7.687	40.000	256301	0.17457598682799
41	7.791	50.000	55930	7.687	40.000	256301	0.17457598682799
42	7.791	50.000	43995	7.687	40.000	215682	0.16318468856928
43	7.801	50.000	55663	7.697	40.000	269061	0.16550299002828
44	7.801	50.000	52406	7.697	40.000	242418	0.17294425331452
45	7.801	50.000	49689	7.697	40.000	246748	0.16110039392417
46	7.801	50.000	83728	7.697	40.000	361851	0.18511044601231
47	7.801	50.000	69470	7.697	40.000	316865	0.17539330629763
48	7.811	50.000	98764	7.708	40.000	448001	0.17636389204488
49	7.811	50.000	65199	7.708	40.000	319060	0.16347771579013
50	7.811	50.000	63819	7.708	40.000	326041	0.15659134894078
51	7.811	50.000	69420	7.708	40.000	325539	0.17059707131864
52	7.822	50.000	66513	7.718	40.000	295770	0.17990465564459
53	7.822	50.000	58901	7.718	40.000	274779	0.17148617616339
54	7.822	50.000	58321	7.718	40.000	264752	0.17622831933281
55	7.816	50.000	90734	7.713	40.000	414154	0.17526620532459
56	7.858	50.000	49564	7.754	40.000	260934	0.15195873285965
57	7.858	50.000	63475	7.754	40.000	318667	0.15935129774969
58	7.889	50.000	58884	7.785	40.000	318462	0.14792094504211
59	7.889	50.000	52456	7.796	40.000	304639	0.13775255302177
60	7.889	50.000	44855	7.796	40.000	283970	0.12636546114026
61	7.889	50.000	40711	7.785	40.000	264293	0.12322990014870
Avg	7.719	50.000	61661	7.615	40.000	4333	0.17364233986573

Ind	Sublist	Calibration File
1	1_8270STD	\\sv5\c\chem\sv5.i\100210.B\HSL1002H

2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D
3	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\QC001
4	1_8270STD	\\SV5\C\chem\sv5.i\100110.B\HSL1001
5	1_8270STD	\\SV5\C\chem\sv5.i\093010.B\HSL0930
6	1_8270STD	\\sv5\c\chem\sv5.i\092910A.B\HSL0929A
7	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\HSL0929
8	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\QC001
9	1_8270STD	\\SV5\C\chem\sv5.i\092810A.B\HSL0928
10	1_8270STD	\\SV5\C\chem\sv5.i\092810.B\HSL0928
11	1_8270STD	\\SV5\C\chem\sv5.i\092710.B\HSL0927
12	1_8270STD	\\SV5\C\chem\sv5.i\092510.B\QC001
13	1_8270STD	\\sv5\c\chem\sv5.i\092510.B\HSL0925
14	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\QC001
15	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\HSL0924
16	1_8270STD	\\SV5\C\chem\sv5.i\092310A.B\HSL0923A
17	1_8270STD	\\SV5\C\chem\sv5.i\092310A.B\QC001
18	1_8270STD	\\SV5\C\chem\sv5.i\092310.B\QC001
19	1_8270STD	\\SV5\C\chem\sv5.i\092310.B\HSL0923
20	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922a
21	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922
22	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\QC001
23	1_8270STD	\\SV5\C\chem\sv5.i\092110.B\HSL0921
24	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\QC001
25	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\HSL0920
26	1_8270STD	\\SV5\C\chem\sv5.i\091910a.B\HSL0919a
27	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\HSL0919
28	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\QC001
29	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\HSL0917
30	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\QC001
31	1_8270STD	\\SV5\C\chem\sv5.i\091510b.B\HSL0915b
32	1_8270STD	\\SV5\C\chem\sv5.i\091510b.B\QC003
33	1_8270STD	\\sv5\c\chem\sv5.i\091010.B\HSL0910
34	1_8270STD	\\SV5\C\chem\sv5.i\091010.B\QC001

35	1_8270STD	\\sv5\c\chem\sv5.i\090910a.B\HSL0909a
36	1_8270STD	\\SV5\C\chem\sv5.i\090910.B\HSL0909
37	1_8270STD	\\SV5\C\chem\sv5.i\090910.B\QC001
38	1_8270STD	\\SV5\C\chem\sv5.i\090810.B\HSL0908
39	1_8270STD	\\SV5\C\chem\sv5.i\090810.B\Primer
40	1_8270STD	\\sv5\c\chem\sv5.i\090710.B\HSL0907
41	1_8270STD	\\SV5\C\chem\sv5.i\090710.B\HSL0907
42	1_8270STD	\\sv5\c\chem\sv5.i\090110.B\HSL0901
43	1_8270STD	\\SV5\C\chem\sv5.i\083110.B\HSL0831
44	1_8270STD	\\sv5\c\chem\sv5.i\083010.B\QC001
45	1_8270STD	\\sv5\c\chem\sv5.i\083010.B\HSL0830
46	1_8270STD	\\SV5\C\chem\sv5.i\082710.B\QC001
47	1_8270STD	\\sv5\c\chem\sv5.i\082710.B\HSL0827
48	1_8270STD	\\SV5\C\chem\sv5.i\082610.B\HSL0826
49	1_8270STD	\\SV5\C\chem\sv5.i\082610.B\QC001
50	1_8270STD	\\SV5\C\chem\sv5.i\082510.B\QC001
51	1_8270STD	\\SV5\C\chem\sv5.i\082510.B\HSL0825
52	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823
53	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823H
54	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D
55	1_8270STD	\\SV5\C\chem\sv5.i\082310A.B\HSL0823A
56	1_8270STD	\\SV5\C\chem\sv5.i\082010.B\HSL0820
57	1_8270STD	\\sv5\c\chem\sv5.i\082010.B\QC001
58	1_8270STD	\\sv5\c\chem\sv5.i\081810A.B\HSL0818A
59	1_8270STD	\\sv5\c\chem\sv5.i\081810.B\HSL0818
60	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D
61	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817H

Signal Calibration Report

Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit: 04-Oct-2010 09:00 onishim
Compound : 110 Pentachlorophenol
Mass: 266.00
Istd Compound: * 4 Phenanthrene-d10

Calibration Formulas

Calibration Mode: by Response

Curve Type: Averaged
Origin: None
Amt = Rsp/m1
m1 = 0.11930897400000
RSD: 15.221

Initial Calibration Table

Lvl	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	9.240	5.00000	5849	9.406	40.000	496356	0.094271047393340
2	9.240	10.00000	10551	9.406	40.000	428440	0.098506208570630
3	9.240	20.00000	30451	9.406	40.000	525834	0.115819821464570
4	9.240	50.00000	67882	9.406	40.000	462722	0.117361180147040
5	9.240	80.00000	126397	9.406	40.000	477777	0.132276145565820
6	9.240	120.00000	215360	9.406	40.000	515607	0.139227486567610
7	9.250	160.00000	293184	9.406	40.000	532284	0.137700926573030

Lvl	Sublist	Calibration File
1	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002A
2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002B
3	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002C
4	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D
5	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002E
6	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002F
7	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002G

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor

1	9.240	50.000	62906	9.406	40.000	380734	0.13217837125132
2	9.240	50.000	67882	9.406	40.000	462722	0.11736118014704
3	9.257	50.000	111129	9.423	40.000	692643	0.12835356742218
4	9.257	50.000	88353	9.423	40.000	569627	0.12408541027725
5	9.267	50.000	65176	9.433	40.000	444572	0.11728313973889
6	9.268	50.000	60910	9.433	40.000	402268	0.12113317489833
7	9.278	50.000	51724	9.433	40.000	342388	0.12085470285174
8	9.278	50.000	37406	9.444	40.000	257561	0.11618529202791
9	9.278	50.000	56153	9.444	40.000	367144	0.12235635064171
10	9.278	50.000	49979	9.444	40.000	316244	0.12643168960929
11	9.299	50.000	89278	9.465	40.000	533339	0.13391557714699
12	9.288	50.000	102299	9.454	40.000	604130	0.13546620760432
13	9.299	50.000	74887	9.464	40.000	434948	0.13773968382427
14	9.299	50.000	61171	9.465	40.000	350214	0.13973399121680
15	9.309	50.000	72641	9.475	40.000	436116	0.13325078648800
16	9.309	50.000	99213	9.475	40.000	545533	0.14549147347640
17	9.314	50.000	56050	9.480	40.000	341600	0.13126463700234
18	9.314	50.000	67187	9.480	40.000	410196	0.13103394474836
19	9.324	50.000	90596	9.490	40.000	530756	0.13655389670583
20	9.324	50.000	32043	9.490	40.000	484990	0.05285552279428
21	9.324	50.000	22238	9.490	40.000	346959	0.05127522272084
22	9.324	50.000	81528	9.490	40.000	462218	0.14110744280837
23	9.335	50.000	103580	9.511	40.000	589949	0.14045959905009
24	9.335	50.000	72155	9.501	40.000	446339	0.12932770831140
25	9.355	50.000	91662	9.521	40.000	517550	0.14168602067433
26	9.366	50.000	67431	9.532	40.000	396847	0.13593349578049
27	9.366	50.000	71407	9.542	40.000	407176	0.14029707055426
28	9.366	50.000	49946	9.532	40.000	298933	0.13366473423811
29	9.366	50.000	58621	9.542	40.000	335623	0.13973059057335
30	9.386	50.000	53858	9.552	40.000	329730	0.13067176174446
31	9.387	50.000	69993	9.552	40.000	399673	0.14010053218506
32	9.459	50.000	87217	9.625	40.000	539077	0.12943160253544
33	9.459	50.000	77540	9.625	40.000	458679	0.13524054949104

34	9.470	50.000	79232	9.646	40.000	482971	0.13124100618878
35	9.480	50.000	75075	9.656	40.000	465501	0.12902227922174
36	9.480	50.000	69872	9.656	40.000	435300	0.12841167011257
37	9.490	50.000	60626	9.656	40.000	378611	0.12810193047746
38	9.490	50.000	60476	9.666	40.000	383533	0.12614507747704
39	9.490	50.000	68275	9.656	40.000	401081	0.13618196823086
40	9.490	50.000	68275	9.656	40.000	401081	0.13618196823086
41	9.490	50.000	51783	9.666	40.000	337799	0.12263624226241
42	9.501	50.000	70205	9.677	40.000	425699	0.13193359627342
43	9.511	50.000	60939	9.677	40.000	381025	0.12794751000591
44	9.501	50.000	61157	9.677	40.000	380328	0.12864054184809
45	9.500	50.000	98266	9.676	40.000	586969	0.13393007126441
46	9.500	50.000	82460	9.677	40.000	500580	0.13178313156738
47	9.511	50.000	117721	9.687	40.000	687233	0.13703765680635
48	9.511	50.000	77582	9.687	40.000	485585	0.12781613929590
49	9.511	50.000	77449	9.687	40.000	498103	0.12439033693834
50	9.511	50.000	85917	9.687	40.000	500311	0.13738174855240
51	9.521	50.000	80098	9.697	40.000	460974	0.13900653832971
52	9.521	50.000	71155	9.697	40.000	428920	0.13271472535671
53	9.521	50.000	72603	9.697	40.000	415811	0.13968461632809
54	9.526	50.000	108254	9.702	40.000	650674	0.13309768025155
55	9.568	50.000	64139	9.744	40.000	411802	0.12460162893818
56	9.578	50.000	85309	9.754	40.000	511730	0.13336564203779
57	9.599	50.000	78595	9.785	40.000	486034	0.12936543533991
58	9.609	50.000	72755	9.785	40.000	467607	0.12447204597023
59	9.609	50.000	67958	9.785	40.000	451801	0.12033262431911
60	9.609	50.000	63635	9.785	40.000	418038	0.12177840292031
Avg	9.411	50.000	72233	9.581	40.000	6967	0.12849428241810

Ind	Sublist	Calibration File
1	1_8270STD	\\sv5\c\chem\sv5.i\100210.B\HSL1002B
2	1_8270STD	\\SV5\C\chem\sv5.i\100210.B\HSL1002D

3	1_8270STD	\\SV5\C\chem\sv5.i\100110.B\HSL1001
4	1_8270STD	\\SV5\C\chem\sv5.i\093010.B\HSL0930
5	1_8270STD	\\sv5\c\chem\sv5.i\092910A.B\HSL0929A
6	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\HSL0929
7	1_8270STD	\\SV5\C\chem\sv5.i\092910.B\QC001
8	1_8270STD	\\SV5\C\chem\sv5.i\092810A.B\HSL0928
9	1_8270STD	\\SV5\C\chem\sv5.i\092810.B\HSL0928
10	1_8270STD	\\SV5\C\chem\sv5.i\092710.B\HSL0927
11	1_8270STD	\\SV5\C\chem\sv5.i\092510.B\QC001
12	1_8270STD	\\sv5\c\chem\sv5.i\092510.B\HSL0925
13	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\QC001
14	1_8270STD	\\SV5\C\chem\sv5.i\092410.B\HSL0924
15	1_8270STD	\\SV5\C\chem\sv5.i\092310A.B\HSL0923A
16	1_8270STD	\\SV5\C\chem\sv5.i\092310A.B\QC001
17	1_8270STD	\\SV5\C\chem\sv5.i\092310.B\QC001
18	1_8270STD	\\SV5\C\chem\sv5.i\092310.B\HSL0923
19	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922a
20	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\HSL0922
21	1_8270STD	\\SV5\C\chem\sv5.i\092210.B\QC001
22	1_8270STD	\\SV5\C\chem\sv5.i\092110.B\HSL0921
23	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\QC001
24	1_8270STD	\\SV5\C\chem\sv5.i\092010.B\HSL0920
25	1_8270STD	\\SV5\C\chem\sv5.i\091910a.B\HSL0919a
26	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\HSL0919
27	1_8270STD	\\SV5\C\chem\sv5.i\091910.B\QC001
28	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\HSL0917
29	1_8270STD	\\SV5\C\chem\sv5.i\091710.B\QC001
30	1_8270STD	\\SV5\C\chem\sv5.i\091510b.B\HSL0915b
31	1_8270STD	\\SV5\C\chem\sv5.i\091510b.B\QC003
32	1_8270STD	\\sv5\c\chem\sv5.i\091010.B\HSL0910
33	1_8270STD	\\SV5\C\chem\sv5.i\091010.B\QC001
34	1_8270STD	\\sv5\c\chem\sv5.i\090910a.B\HSL0909a
35	1_8270STD	\\SV5\C\chem\sv5.i\090910.B\HSL0909

36	1_8270STD	\\SV5\C\chem\sv5.i\090910.B\QC001
37	1_8270STD	\\SV5\C\chem\sv5.i\090810.B\HSL0908
38	1_8270STD	\\SV5\C\chem\sv5.i\090810.B\Primer
39	1_8270STD	\\sv5\c\chem\sv5.i\090710.B\HSL0907
40	1_8270STD	\\SV5\C\chem\sv5.i\090710.B\HSL0907
41	1_8270STD	\\sv5\c\chem\sv5.i\090110.B\HSL0901
42	1_8270STD	\\SV5\C\chem\sv5.i\083110.B\HSL0831
43	1_8270STD	\\sv5\c\chem\sv5.i\083010.B\QC001
44	1_8270STD	\\sv5\c\chem\sv5.i\083010.B\HSL0830
45	1_8270STD	\\SV5\C\chem\sv5.i\082710.B\QC001
46	1_8270STD	\\sv5\c\chem\sv5.i\082710.B\HSL0827
47	1_8270STD	\\SV5\C\chem\sv5.i\082610.B\HSL0826
48	1_8270STD	\\SV5\C\chem\sv5.i\082610.B\QC001
49	1_8270STD	\\SV5\C\chem\sv5.i\082510.B\QC001
50	1_8270STD	\\SV5\C\chem\sv5.i\082510.B\HSL0825
51	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823
52	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823H
53	1_8270STD	\\sv5\c\chem\sv5.i\082310B.B\HSL0823D
54	1_8270STD	\\SV5\C\chem\sv5.i\082310A.B\HSL0823A
55	1_8270STD	\\SV5\C\chem\sv5.i\082010.B\HSL0820
56	1_8270STD	\\sv5\c\chem\sv5.i\082010.B\QC001
57	1_8270STD	\\sv5\c\chem\sv5.i\081810A.B\HSL0818A
58	1_8270STD	\\sv5\c\chem\sv5.i\081810.B\HSL0818
59	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817D
60	1_8270STD	\\SV5\C\chem\sv5.i\081710.B\HSL0817H

TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.6825896	5.000	PASS
Benzidine	0.6244503	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	189907	8.9	20.5	PASS

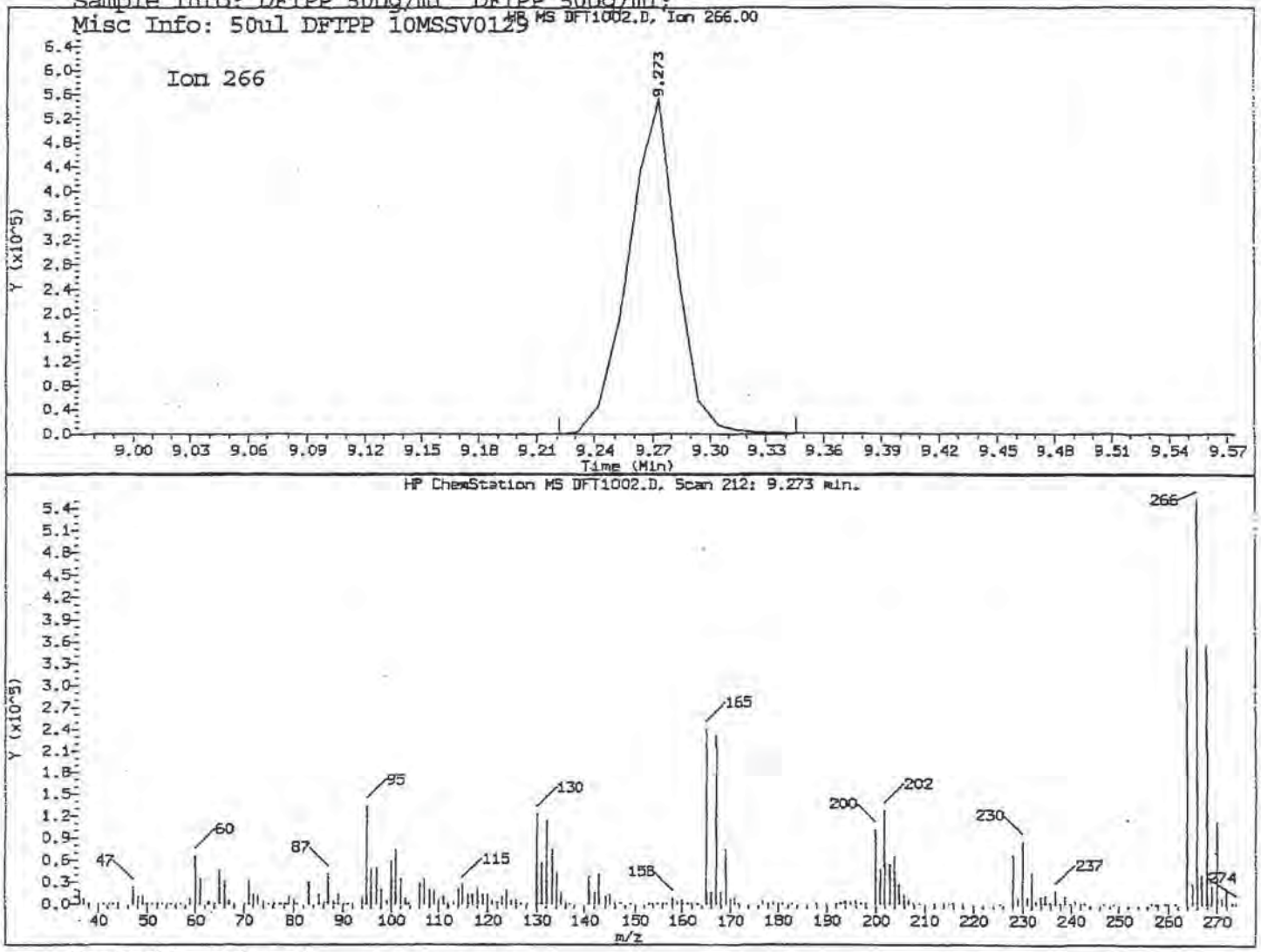
Sample //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D

****
*** PASSED ***
****

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Pentachlorophenol
==========
Exp. RT = 9.387
Found RT = 9.273

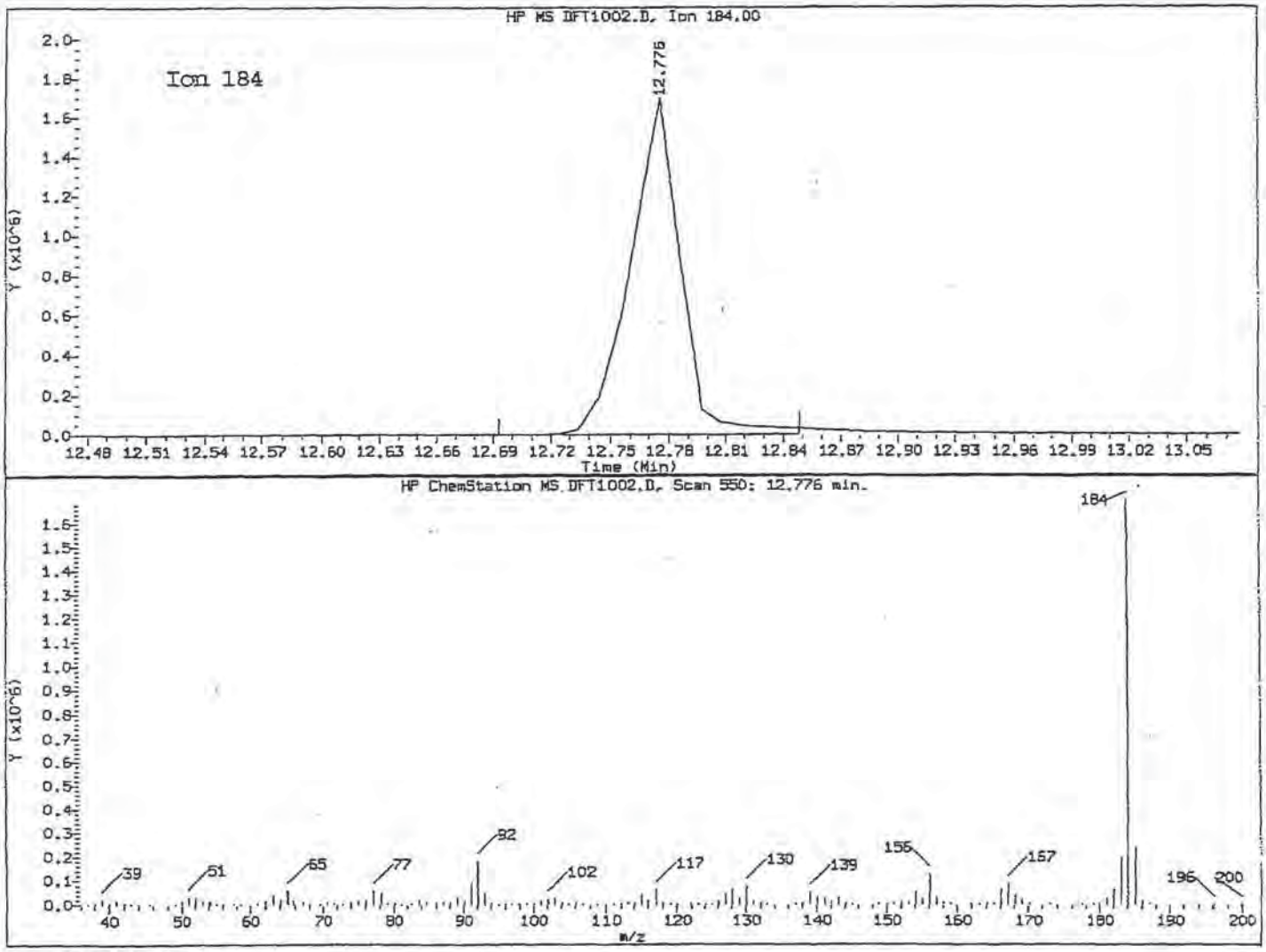
Time1 = 9.243001 Time2 = 9.273333 Time3 = 9.294038
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.683 Maximum Allowed = 5.0

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: RT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
==========
Exp. RT = 12.911
Found RT = 12.776

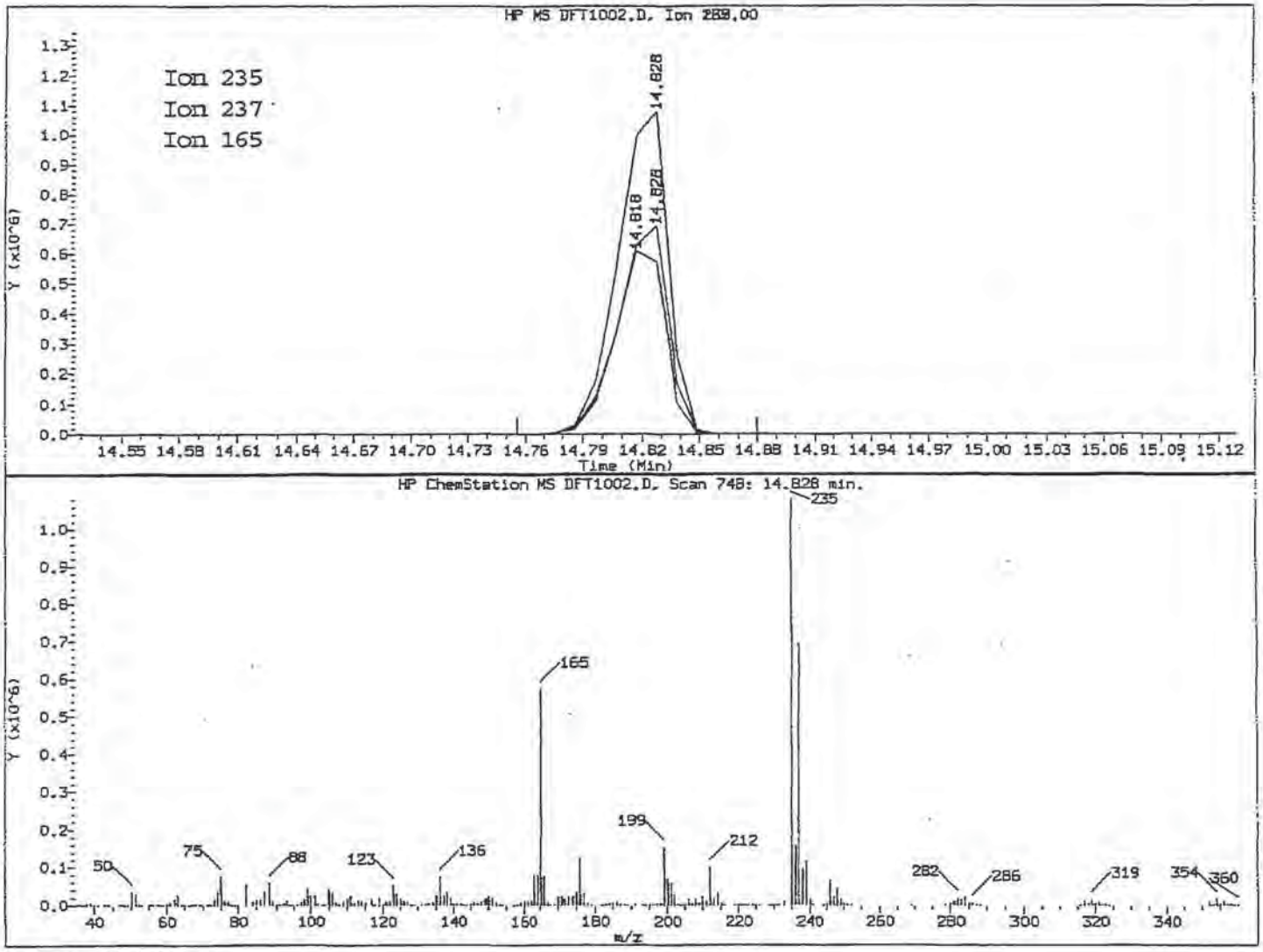
Time1 = 12.74377 Time2 = 12.77603 Time3 = 12.79618
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.624 Maximum Allowed = 3.0

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

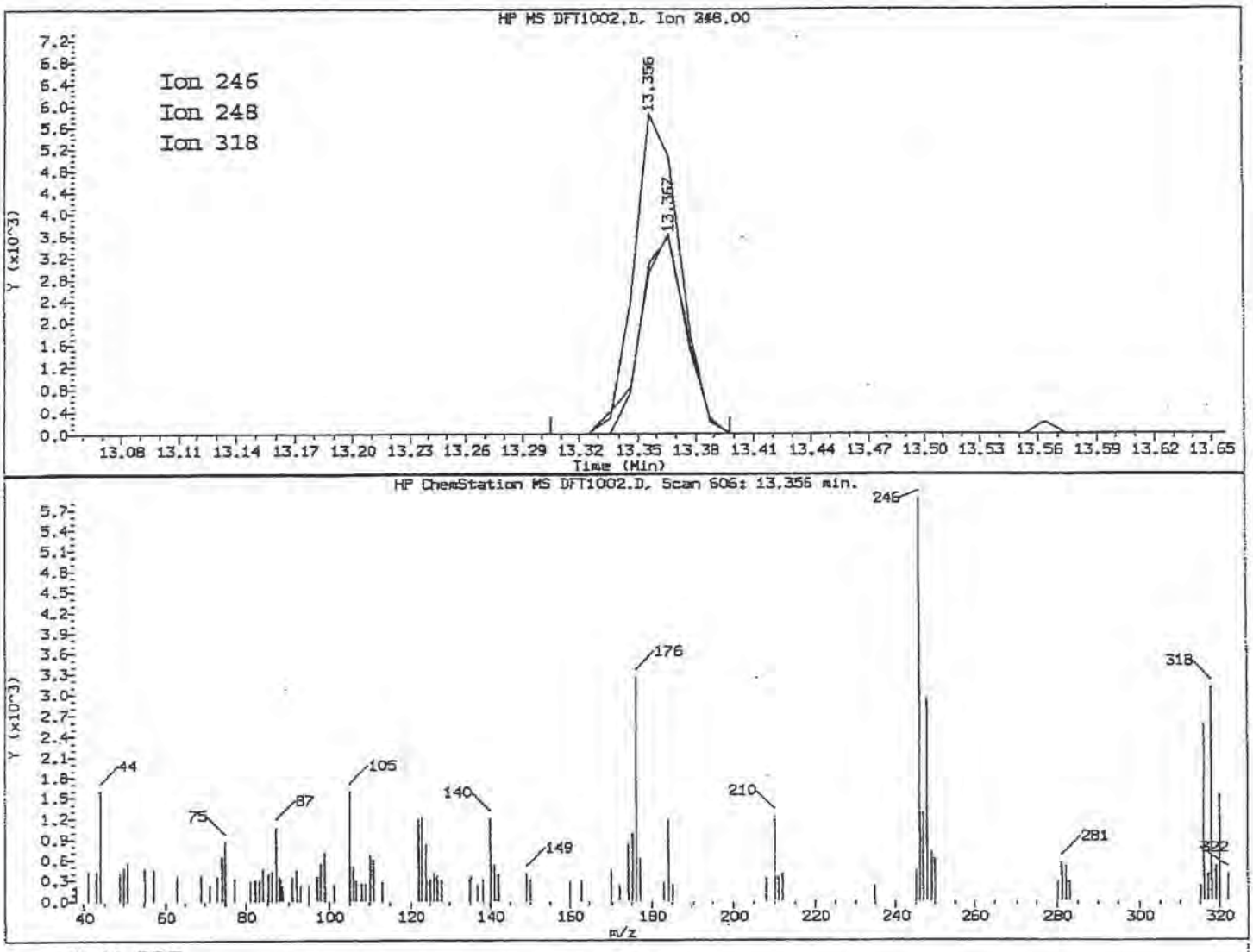


4,4'-DDT
========
Exp. RT = 14.942
Found RT = 14.828

Mass	Area	Ratio
235	1937042	100.00
237	1226081	63.30
165	1111108	57.36

Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



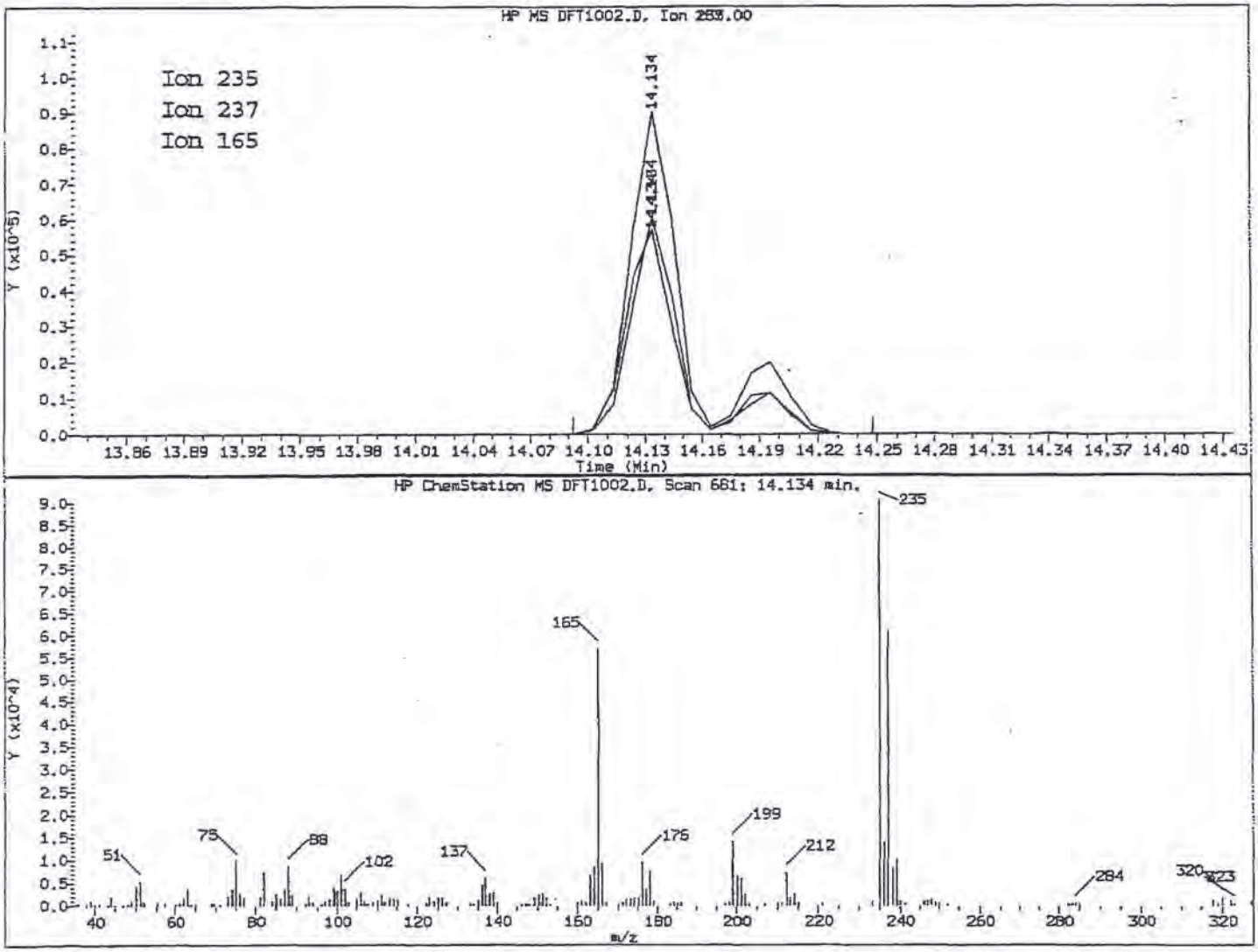
4,4'-DDE

Exp. RT = 13.470
Found RT = 13.356

Mass	Area	Ratio
246	9630	100.00
248	5964	61.93
318	0	0.00

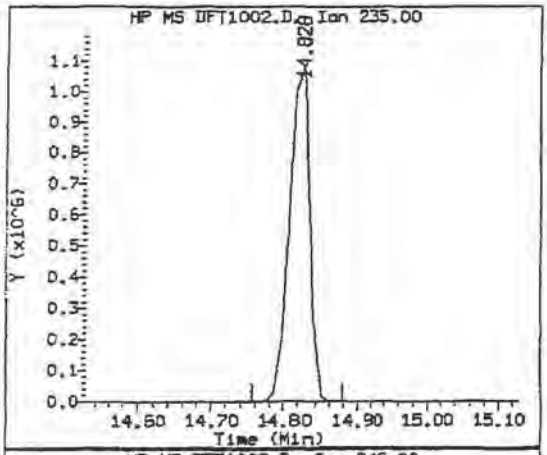
Report Date: 10/03/2010 11:04

Datafile Analyzed: //SV5/C/chem/sv5.i/100210.B/DFT1002.D/DFT1002.D
Method Used: \\SV5\C\chem\sv5.i\100210.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 02-OCT-2010 12:06 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

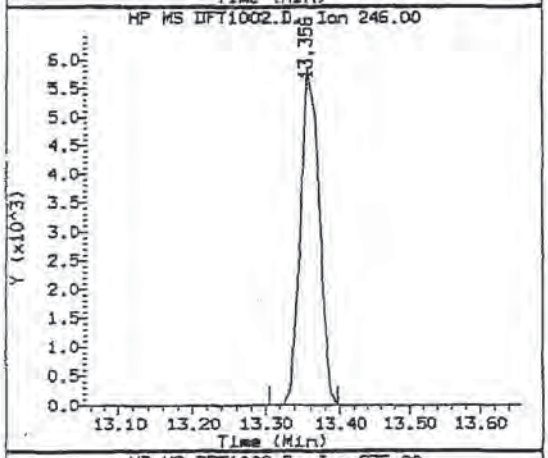


4,4'-DDD
========
Exp. RT = 14.248
Found RT = 14.134

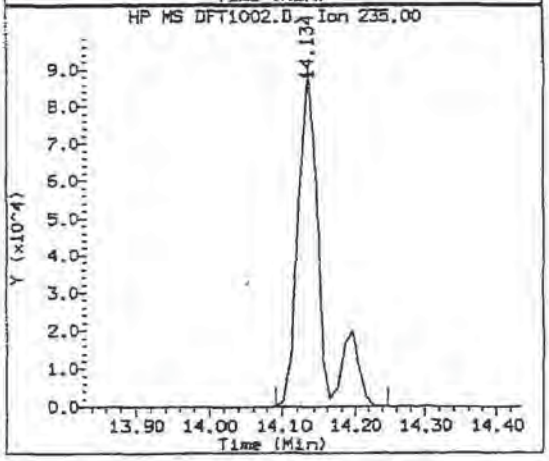
Mass	Area	Ratio
235	180277	100.00
237	115795	64.23
165	113090	62.73



Compound: 4,4'-DDT
Quant Mass: 235
RT: 14.828
Area: 1937042



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.356
Area: 9630



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.134
Area: 180277

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	189907	8.9	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\100210.B\DFT1002.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 02-OCT-2010 12:06
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\100210.B\DFTPP.m
Meth Date : 17-Aug-2010 14:10 scotts Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SV5

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
0.000	11.201	(0.000)	198	746688			0.00- 100.00	100.00
0.000	11.201	(0.000)	51	320640			30.00- 80.00	42.94
0.000	11.201	(0.000)	68	4826			0.00- 2.00	1.62
0.000	11.201	(0.000)	69	298048			0.00- 0.00	39.92
0.000	11.201	(0.000)	70	1913			0.00- 2.00	0.64
0.000	11.201	(0.000)	127	406528			25.00- 75.00	54.44
0.000	11.201	(0.000)	197	0	0.0	0.0	0.00- 1.00	0.00
0.000	11.201	(0.000)	199	49104			5.00- 9.00	6.58
0.000	11.201	(0.000)	275	170816			10.00- 30.00	22.88
0.000	11.201	(0.000)	365	20496			0.75- 0.00	2.74
0.000	11.201	(0.000)	441	100984			0.01- 99.99	74.22
0.000	11.201	(0.000)	442	702528			40.00- 110.00	94.09
0.000	11.201	(0.000)	443	136064			15.00- 24.00	19.37

Data File: \\SV5\C\chem\sv5.i\100210.B\DFT1002.D

Date : 02-OCT-2010 12:06

Client ID:

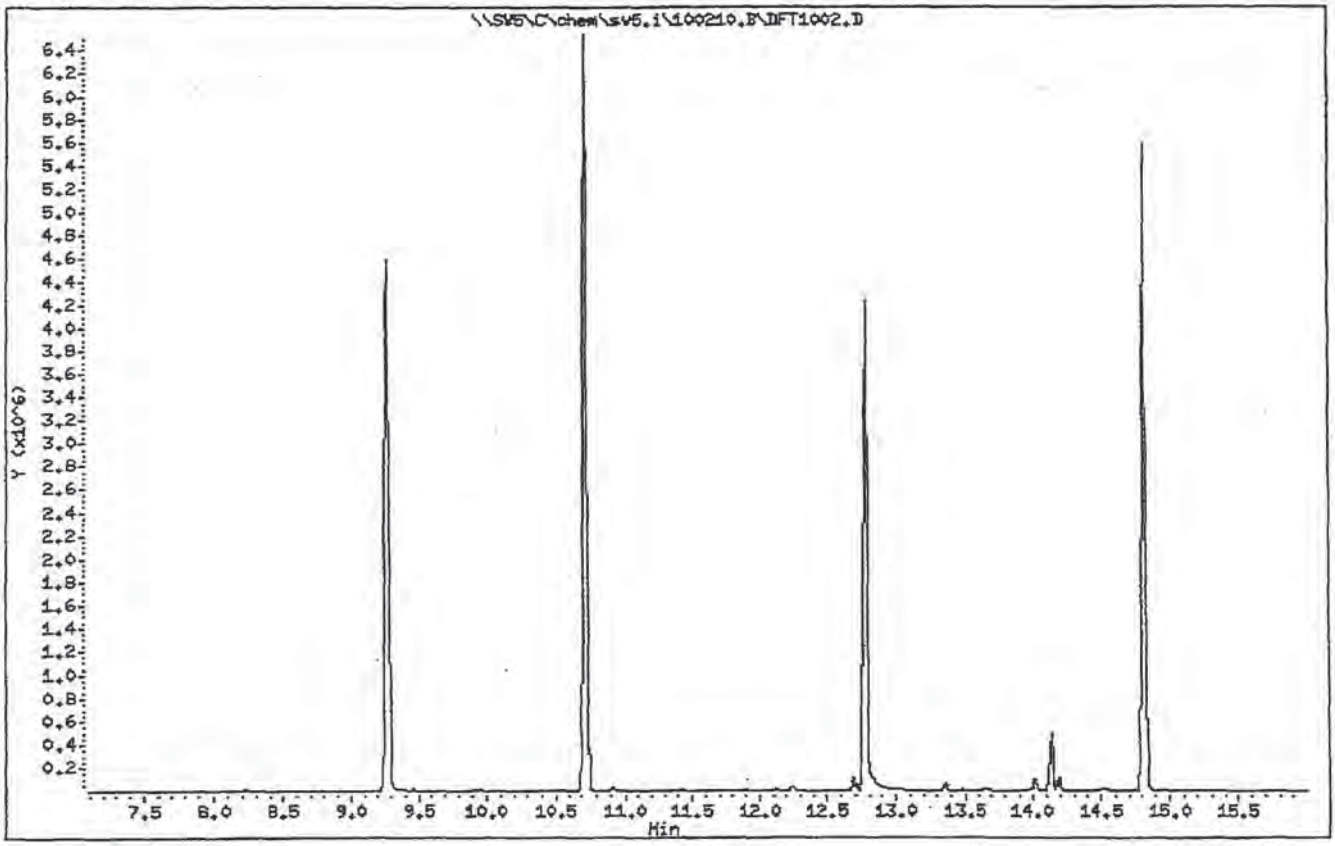
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\100210.B\DFT1002.D

Page 3

Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

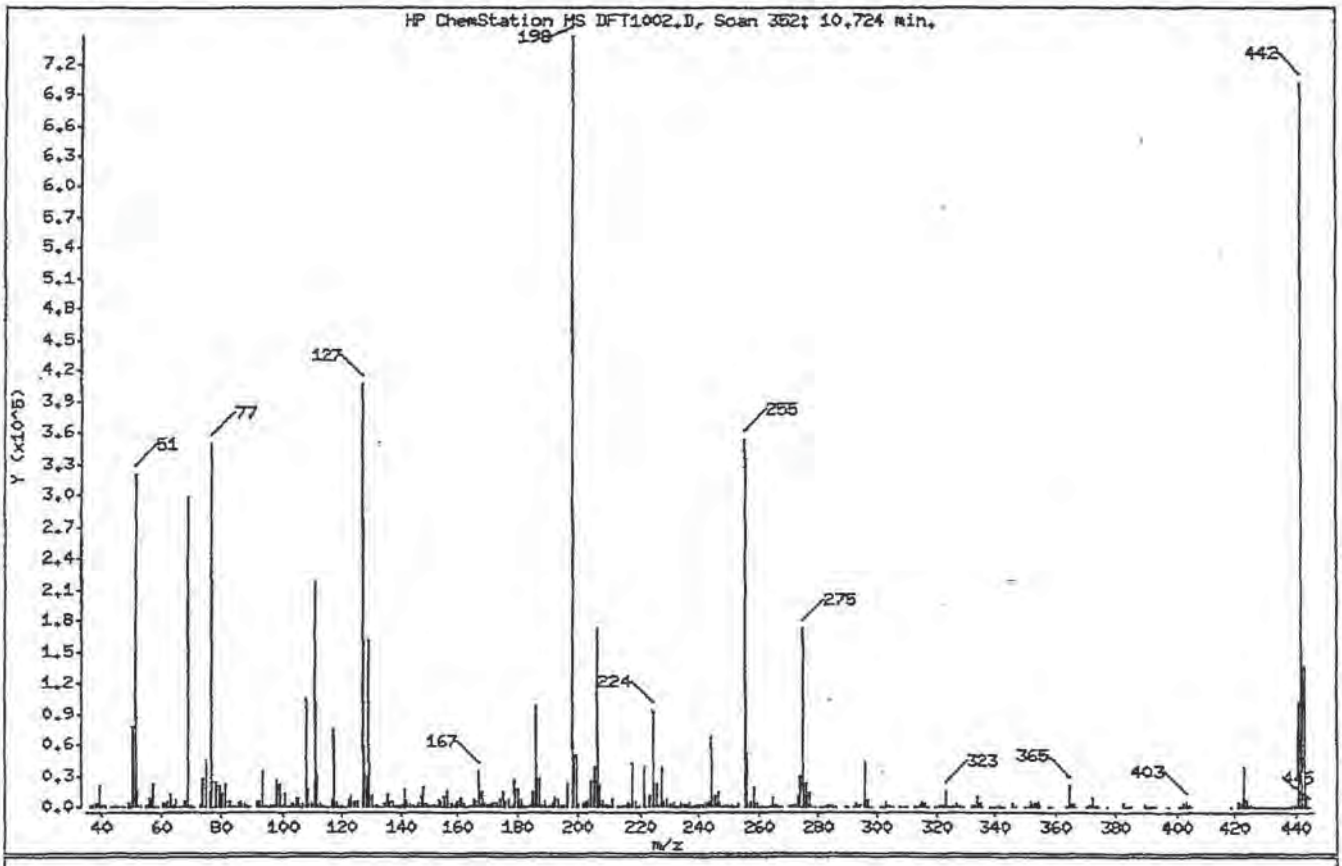
Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	42.94
68	Less than 2.00% of mass 69	0.65 (1.62)
69	Mass 69 relative abundance	39.92
70	Less than 2.00% of mass 69	0.26 (0.64)
127	25.00 - 75.00% of mass 198	54.44
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.88
275	10.00 - 30.00% of mass 198	22.88
365	Greater than 0.75% of mass 198	2.74
441	Present, but less than mass 443	13.52
442	40.00 - 110.00% of mass 198	94.09
443	15.00 - 24.00% of mass 442	18.22 (19.37)

Data File: \\SV5\C\chem\sv5.i\100210.B\DFT1002.D

Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1002.D
Spectrum: HP ChemStation MS DFT1002.D, Scan 352: 10.724 min.
Location of Maximum: 198.00
Number of points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	203	130.00	12809	219.20	447	321.00	1763
37.10	1216	131.00	2287	221.00	37608	322.10	913
38.10	3314	132.00	1225	223.10	9674	323.10	16294
39.10	21392	133.00	620	224.10	93432	324.10	2245
40.00	1076	134.00	3794	225.10	21544	324.80	382
41.10	949	135.10	11378	226.10	1736	326.00	507
43.10	352	136.00	4886	227.00	37976	327.00	2789
44.00	922	137.00	5203	228.00	4945	328.00	1262
45.00	428	138.00	1265	229.00	7548	329.10	343
47.00	204	139.00	791	230.00	1024	331.90	894
49.10	2676	140.00	2233	231.10	2757	333.00	1455
50.10	77024	141.00	17480	232.00	528	334.10	9590
51.10	320640	142.00	7259	233.00	641	335.00	2774
52.10	16189	143.00	3921	234.00	2909	336.00	291
53.10	963	144.00	1375	235.00	2419	339.00	369
55.00	1815	145.10	829	236.10	1608	340.00	399
56.00	8872	146.00	3251	237.00	3192	341.00	2042
57.00	22504	147.00	9463	238.00	581	342.10	852
58.00	755	148.00	18744	239.00	1185	343.20	220
59.10	372	149.00	4031	240.00	1065	346.00	2819
61.00	3898	150.10	1094	241.00	1870	346.90	608
62.00	4800	151.20	2277	242.00	3682	350.30	205
63.10	11199	152.10	1506	243.10	4924	351.00	283
64.10	1448	153.00	6113	244.10	66488	352.00	5049
65.10	6509	154.00	5445	245.10	9865	353.10	3110
66.00	493	155.00	10151	246.00	14573	354.00	5432
67.10	461	156.10	14866	247.00	3022	355.00	1087
68.00	4826	157.10	3676	248.10	618	358.00	241
69.00	298048	158.10	3734	249.00	2441	359.00	574
70.10	1913	159.00	2313	250.00	627	363.50	249
71.10	410	160.00	5246	250.90	1000	365.00	20496
73.10	2021	161.10	8666	252.00	756	366.00	3166
74.00	28000	162.00	2863	253.10	2603	367.00	225
75.00	45304	163.10	562	255.00	353024	370.10	477
76.10	15795	164.00	1067	256.00	51440	370.90	1541

Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1002.D
Spectrum: HP ChemStation MS DFT1002.D, Scan 352: 10.724 min.
Location of Maximum: 198.00
Number of points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.10	349952	165.00	6962	257.00	4474	372.10	8489
78.10	23464	166.00	5717	258.00	19504	373.10	1814
79.00	20048	167.00	33648	259.10	3095	373.80	348
80.00	14146	168.00	13682	260.00	645	377.10	263
81.00	22008	169.00	2802	261.10	797	383.00	2624
82.00	5822	170.00	1014	262.20	249	383.90	598
83.00	5093	171.00	1339	263.00	269	385.00	289
84.00	814	172.00	3224	264.10	532	390.00	1367
85.00	3848	173.00	4109	265.00	7904	391.00	754
86.00	5985	174.00	7189	266.00	1181	392.10	664
87.00	2652	175.10	13638	267.20	204	393.20	281
88.00	1078	176.10	4293	267.60	232	397.00	230
89.00	472	177.00	6577	270.00	489	400.90	335
91.00	5074	178.10	1972	271.00	901	402.00	3464
92.00	5292	179.00	25912	272.10	1129	403.00	5568
93.00	34848	180.00	16984	273.00	10963	404.10	1777
94.00	2386	181.00	7182	274.00	30032	405.00	292
95.00	749	182.00	1363	275.00	170816	418.90	259
96.00	1660	183.00	559	276.10	22944	421.00	5400
97.10	1007	184.10	2227	277.00	13493	422.00	4183
98.00	25944	185.10	13301	278.10	2251	423.00	37592
99.00	21688	186.00	97584	279.00	648	424.00	6802
100.00	1844	187.10	27792	281.10	266	425.00	930
101.00	13609	188.10	2556	282.00	217	426.50	251
102.10	646	189.00	5094	283.00	1957	427.30	338
103.00	3748	189.90	756	284.00	1097	428.40	200
104.00	8390	191.10	2995	285.10	2569	429.20	300
105.00	8359	192.00	7909	286.10	444	430.20	272
106.10	3007	193.00	7605	289.00	691	431.10	404
107.00	104896	194.10	1998	290.10	589	431.50	324
108.00	17616	195.10	1331	292.10	763	432.20	298
109.00	3545	196.00	22448	293.00	3141	432.50	326
110.00	218112	198.00	746688	294.10	1275	433.30	317
111.00	30736	199.00	49104	296.00	42616	433.70	342
112.00	4281	200.00	4038	297.00	6196	434.30	362

Data File: \\SV5\C\chem\sv5.i\100210.B\DFT1002.D

Date : 02-OCT-2010 12:06

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1002.D

Spectrum: HP ChemStation MS DFT1002.D, Scan 352: 10.724 min.

Location of Maximum: 198.00

Number of points: 340

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	1310	201.60	4029	298.00	465	434.90	650
114.40	467	203.00	4788	301.00	504	435.90	530
115.00	646	204.00	23416	302.00	695	436.50	586
116.10	6327	205.00	38288	303.10	5810	436.90	846
117.00	75520	206.10	172352	304.00	2035	437.50	828
118.00	5507	207.10	21328	305.10	290	438.20	1136
119.00	839	208.00	5487	308.00	764	439.30	1287
120.10	1180	209.00	2186	309.10	446	441.00	100984
121.00	807	210.00	2002	310.00	839	442.00	702528
122.00	6408	211.10	7473	312.20	271	443.00	136064
123.00	10302	213.00	410	312.90	292	444.00	12344
124.00	4600	214.10	372	314.00	2431	445.10	689
125.00	4447	215.10	1837	315.00	5363		
127.00	406528	216.00	3226	316.00	2900		
128.00	28392	217.00	41648	317.10	363		
129.00	161024	218.00	5388	319.80	287		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002A.D
Lab Smp Id: HSL_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 12:27
Operator : KT Inst ID: sv5.i
Smp Info : HSL_005 ug/ml CS-1;1;;1;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0307;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	141539	40.0000		(Q)
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	605687	40.0000		
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	321839	40.0000		
* 4	Phenanthrene-d10	188	9.406	9.405	(1.000)	496356	40.0000		
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	453007	40.0000		
* 6	Perylene-d12	264	16.162	16.162	(1.000)	445119	40.0000		
$ 7	2-Fluorophenol	112	2.742	2.732	(0.693)	25566	5.00000	5.124	
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	30471	5.00000	4.857	
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	26144	5.00000	4.745	
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	16945	5.00000	4.861	
$ 11	Nitrobenzene-d5	82	4.576	4.576	(0.852)	25006	5.00000	4.874	(M)
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	51695	5.00000	4.986	
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	6048	5.00000	4.325	
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	44456	5.00000	4.982	
15	N-Nitrosodimethylamine	74	1.716	1.706	(0.434)	16436	5.00000	5.040	(q)
16	Pyridine	79	1.737	1.726	(0.439)	29567	5.00000	5.422	(q)
23	Aniline	93	3.654	3.654	(0.924)	39064	5.00000	4.892	(Q)
24	Phenol	94	3.623	3.623	(0.916)	36112	5.00000	5.009	(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	25057	5.00000	5.157	
27	2-Chlorophenol	128	3.768	3.768	(0.953)	26910	5.00000	4.863	
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	29883	5.00000	4.958	
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	31337	5.00000	4.972	
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	17983	5.00000	4.835	
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	28663	5.00000	4.947	
32	2-Methylphenol	108	4.255	4.255	(1.076)	24914	5.00000	4.923	
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	40622	5.00000	5.049	
34	4-Methylphenol	108	4.421	4.421	(1.118)	26292	5.00000	4.891	
36	Hexachloroethane	117	4.504	4.504	(1.139)	10779	5.00000	5.024	
37	N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	16719	5.00000	4.670	
42	Nitrobenzene	77	4.597	4.597	(0.855)	24875	5.00000	4.960	
44	Isophorone	82	4.856	4.856	(0.904)	48024	5.00000	4.980	
45	2-Nitrophenol	139	4.960	4.960	(0.923)	14088	5.00000	4.735	
46	2,4-Dimethyphenol	107	5.012	5.012	(0.933)	26089	5.00000	4.935	

10-7-10

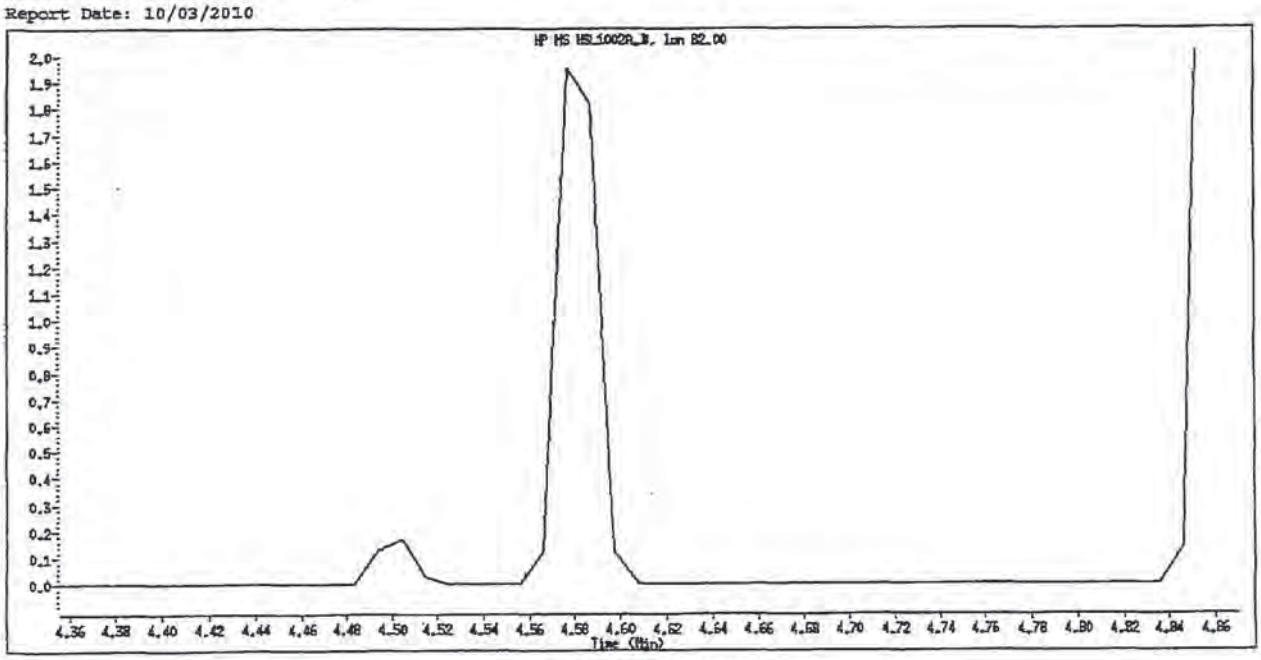
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	31152	5.00000	5.288
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	19256	5.00000	4.708
50 Benzoic Acid	122	5.084	5.115	(0.946)	12679	5.00000	4.333
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	22282	5.00000	5.032
52 Naphthalene	128	5.395	5.395	(1.004)	83236	5.00000	4.977
54 4-Chloroaniline	127	5.488	5.488	(1.021)	30853	5.00000	4.707
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	10823	5.00000	4.994
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	22205	5.00000	4.862
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	51849	5.00000	4.936
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	10813	5.00000	4.503
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	12546	5.00000	4.886
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	12400	5.00000	4.483
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	45713	5.00000	5.047
73 2-Nitroaniline	65	6.949	6.949	(0.931)	12703	5.00000	4.627
76 Dimethylphthalate	163	7.219	7.229	(0.967)	49639	5.00000	4.760
77 Acenaphthylene	152	7.281	7.281	(0.975)	75041	5.00000	4.758
79 2,6-Dinitrotoluene	165	7.291	7.302	(0.976)	11404	5.00000	4.694 (QM)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	14226	5.00000	4.691 (Q)
81 Acenaphthene	153	7.509	7.509	(1.006)	50639	5.00000	5.044
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	4083	5.00000	6.945 (q)
83 Dibenzofuran	168	7.696	7.706	(1.031)	63477	5.00000	4.764
84 4-Nitrophenol	109	7.675	7.675	(1.028)	5114	5.00000	4.065 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	13823	5.00000	4.335 (q)
91 Fluorene	166	8.131	8.131	(1.089)	54136	5.00000	4.906
92 Diethylphthalate	149	8.100	8.100	(1.085)	49177	5.00000	4.606
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	22112	5.00000	4.820
94 4-Nitroaniline	138	8.214	8.214	(1.100)	13415	5.00000	4.463
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	5780	5.00000	7.325 (q)
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	41998	5.86000	5.582
100 Azobenzene	77	8.348	8.348	(0.888)	48101	5.00000	4.928
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	11766	5.00000	4.856
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	14244	5.00000	5.264
110 Pentachlorophenol	266	9.240	9.240	(0.982)	5849	5.00000	7.264
114 Phenanthrene	178	9.437	9.437	(1.003)	80873	5.00000	5.169
115 Anthracene	178	9.499	9.499	(1.010)	77577	5.00000	4.963
118 Carbazole	167	9.768	9.768	(1.039)	70241	5.00000	4.920
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	79722	5.00000	4.641
126 Fluoranthene	202	11.302	11.302	(1.202)	64427	5.00000	4.596
127 Benzidine	184	11.571	11.571	(0.840)	44267	5.00000	4.822
128 Pyrene	202	11.665	11.665	(0.847)	71230	5.00000	5.030
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	37074	5.00000	4.574
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	36798	5.00000	5.185
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	62384	5.00000	5.170
139 Chrysene	228	13.820	13.831	(1.003)	59618	5.00000	4.830
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	22168	5.00000	4.870
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	51997	5.00000	5.319
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	76353	5.00000	4.886
144 Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	45075	5.00000	4.473 (Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	68403	5.00000	5.288 (q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	50295	5.00000	4.786
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	54694	5.00000	4.788
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	41053	5.00000	4.443
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	49018	5.00000	4.749
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	53428	5.00000	4.781

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				113478	5.00000	4.931 (A)

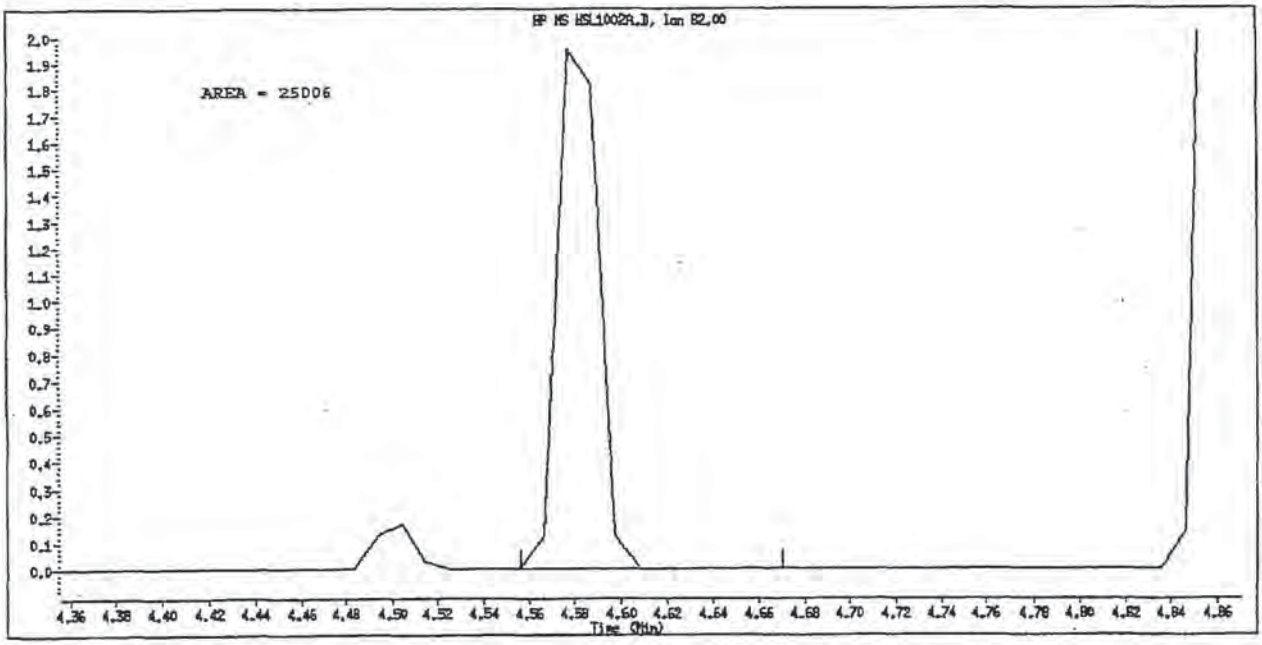
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002A.D
Inj. Date and Time: 02-OCT-2010 12:27
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 10/03/2010



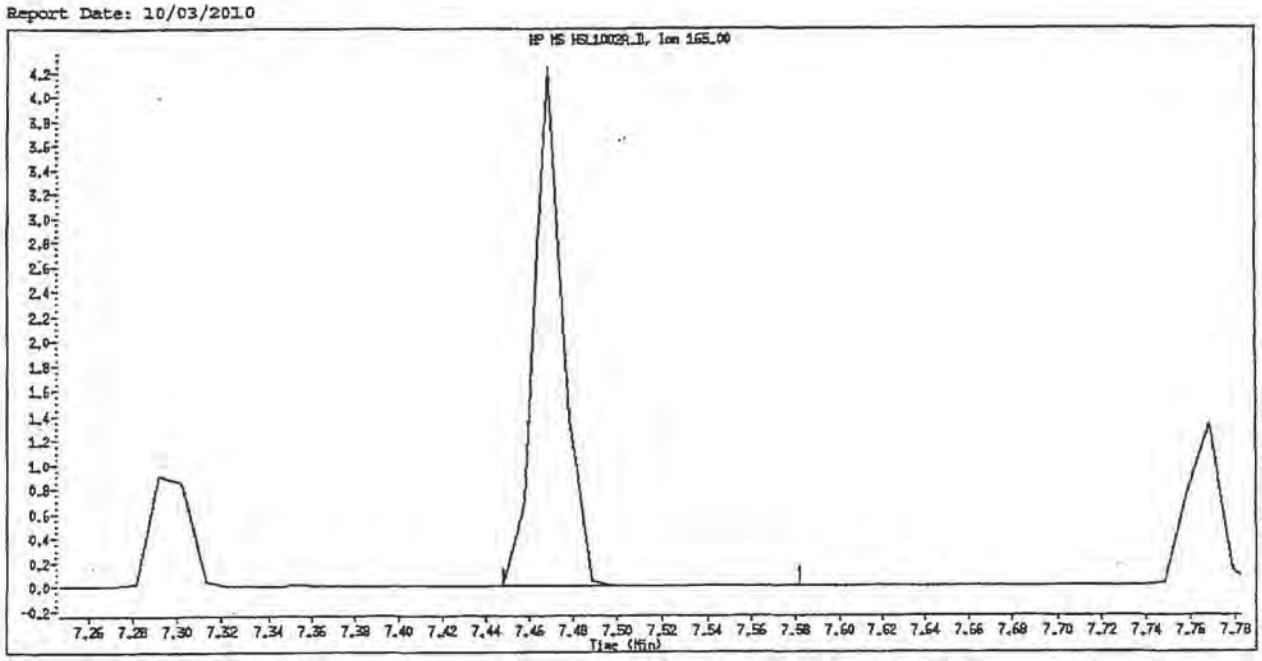
Original Integration



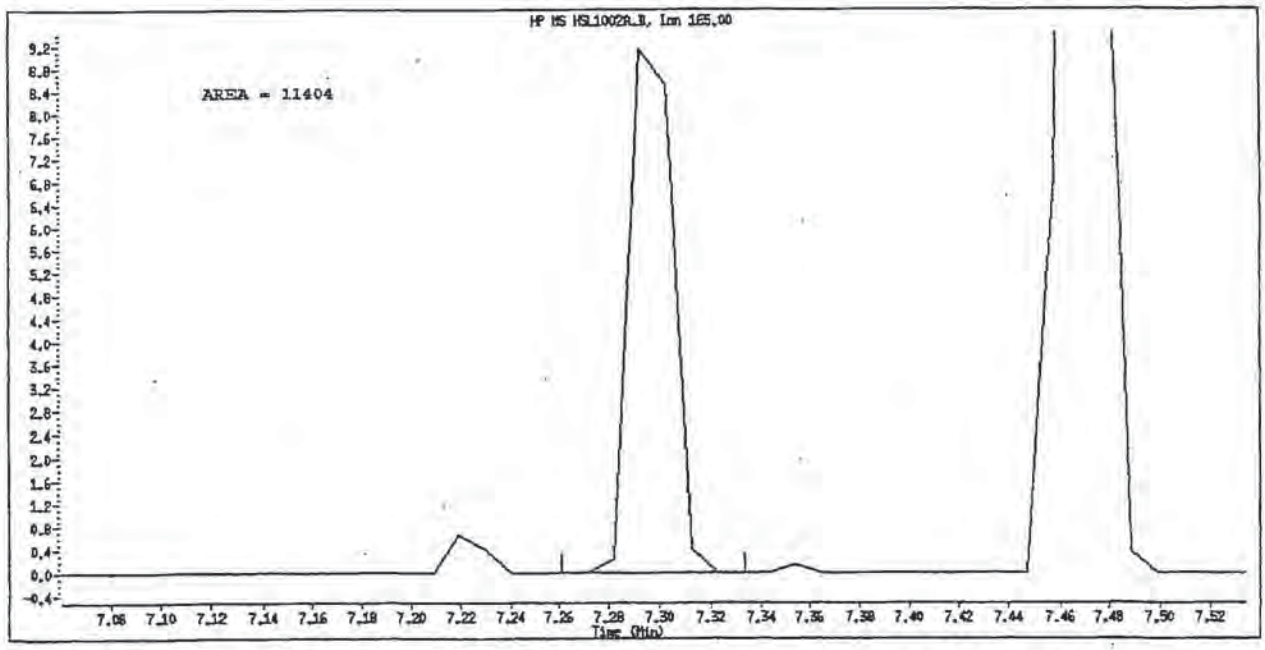
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Peak Not Found

Data File Name: HSL1002A.D
Inj. Date and Time: 02-OCT-2010 12:27
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002A.D
Lab Smp Id: HSL_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 12:27
Operator : KT Inst ID: sv5.i
Smp Info : HSL_005 ug/ml CS-1;1;;1;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0307;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	141539	40.0000		(Q)
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	605687	40.0000		
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	321839	40.0000		
* 4	Phenanthrene-d10	188	9.406	9.405	(1.000)	496356	40.0000		
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	453007	40.0000		
* 6	Perylene-d12	264	16.162	16.162	(1.000)	445119	40.0000		
$ 7	2-Fluorophenol	112	2.742	2.732	(0.693)	25566	5.00000	4.894	
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	30471	5.00000	4.587	
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	26144	5.00000	4.616	
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	16945	5.00000	4.793	
$ 11	Nitrobenzene-d5	82	Compound Not Detected.						
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.695)	51695	5.00000	5.015	
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	6048	5.00000	4.760	
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	44456	5.00000	5.032	
15	N-Nitrosodimethylamine	74	1.716	1.706	(0.434)	16436	5.00000	4.767	(q)
16	Pyridine	79	1.737	1.726	(0.439)	29567	5.00000	5.146	
23	Aniline	93	3.654	3.654	(0.924)	39064	5.00000	4.689	(Q)
24	Phenol	94	3.623	3.623	(0.916)	36112	5.00000	5.111	(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	26067	5.00000	4.856	
27	2-Chlorophenol	128	3.768	3.768	(0.953)	26910	5.00000	4.813	
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	29883	5.00000	4.837	
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	31337	5.00000	5.017	
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	17983	5.00000	4.681	
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	28663	5.00000	4.842	
32	2-Methylphenol	108	4.255	4.255	(1.076)	24914	5.00000	4.770	
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	40622	5.00000	4.077	
34	4-Methylphenol	108	4.421	4.421	(1.118)	26292	5.00000	4.723	
36	Hexachloroethane	117	4.504	4.504	(1.139)	10779	5.00000	4.891	
37	N-Nitrosodipropylamine	70	4.442	4.442	(1.123)	16719	5.00000	4.290	
42	Nitrobenzene	77	4.597	4.597	(0.855)	24875	5.00000	4.659	
44	Isophorone	82	4.856	4.856	(0.904)	48024	5.00000	4.744	
45	2-Nitrophenol	139	4.960	4.960	(0.923)	14088	5.00000	4.833	
46	2,4-Dimethylphenol	107	5.012	5.012	(0.933)	26089	5.00000	4.820	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	31152	5.00000	5.169
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	19256	5.00000	4.834
50 Benzoic Acid	122	5.084	5.115	(0.946)	12679	5.00000	4.202
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	22282	5.00000	5.160
52 Naphthalene	128	5.395	5.395	(1.004)	83236	5.00000	4.937
54 4-Chloroaniline	127	5.488	5.488	(1.021)	30853	5.00000	4.652
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	10823	5.00000	5.267
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	22205	5.00000	4.844
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	51849	5.00000	5.040
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	10813	5.00000	4.405
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	12546	5.00000	5.149
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	12400	5.00000	4.633
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	45713	5.00000	5.066
73 2-Nitroaniline	65	6.949	6.949	(0.931)	12703	5.00000	4.204
76 Dimethylphthalate	163	7.219	7.229	(0.967)	49639	5.00000	4.763
77 Acenaphthylene	152	7.281	7.281	(0.975)	75041	5.00000	4.757
79 2,6-Dinitrotoluene	165	7.468	7.302	(1.000)	39415	5.00000	16.89 (Q)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	14226	5.00000	4.597 (Q)
81 Acenaphthene	153	7.509	7.509	(1.006)	50639	5.00000	5.038
82 2,4-Dinitrophenol	184	7.571	7.571	(1.014)	4083	5.00000	5.740 (q)
83 Dibenzofuran	168	7.696	7.706	(1.031)	63477	5.00000	4.780
84 4-Nitrophenol	109	7.675	7.675	(1.028)	5114	5.00000	3.785 (Q)
86 2,6-Dinitrotoluene	165	7.768	7.768	(1.040)	13823	5.00000	4.422 (q)
91 Fluorene	166	8.131	8.131	(1.089)	54136	5.00000	4.976
92 Diethylphthalate	149	8.100	8.100	(1.085)	49177	5.00000	4.514
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	22112	5.00000	4.930
94 4-Nitroaniline	138	8.214	8.214	(1.100)	13415	5.00000	4.435
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	5780	5.00000	8.076 (q)
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	41998	5.86000	5.430
100 Azobenzene	77	8.348	8.348	(0.888)	48101	5.00000	4.470
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	11766	5.00000	4.905
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	14244	5.00000	5.498
110 Pentachlorophenol	266	9.240	9.240	(0.982)	5849	5.00000	3.762
114 Phenanthrene	178	9.437	9.437	(1.003)	80873	5.00000	5.224
115 Anthracene	178	9.499	9.499	(1.010)	77577	5.00000	4.979
118 Carbazole	167	9.768	9.768	(1.039)	70241	5.00000	4.847
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	79722	5.00000	4.549
126 Fluoranthene	202	11.302	11.302	(1.202)	64427	5.00000	4.624
127 Benzidine	184	11.571	11.571	(0.840)	44267	5.00000	4.759
128 Pyrene	202	11.665	11.665	(0.847)	71230	5.00000	5.029
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	37074	5.00000	4.644
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	36798	5.00000	5.084
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	62384	5.00000	5.220
139 Chrysene	228	13.820	13.831	(1.003)	59618	5.00000	4.801
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	22168	5.00000	5.069
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	51997	5.00000	5.218
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	76353	5.00000	4.792
144 Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	45075	5.00000	4.270 (Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	68403	5.00000	5.546 (q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	50295	5.00000	4.807
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	54694	5.00000	4.761
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	41053	5.00000	4.039
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	49018	5.00000	4.706
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	53428	5.00000	4.784

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				113478	5.00000	4.958 (a)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002A.D
Lab Smp Id: HSL_005 ug/ml CS-1
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0307;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	141539	15.42
2 Naphthalene-d8	530514	265257	1061028	605687	14.17
3 Acenaphthene-d10	282538	141269	565076	321839	13.91
4 Phenanthrene-d10	462722	231361	925444	496356	7.27
5 Chrysene-d12	435850	217925	871700	453007	3.94
6 Perylene-d12	422284	211142	844568	445119	5.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

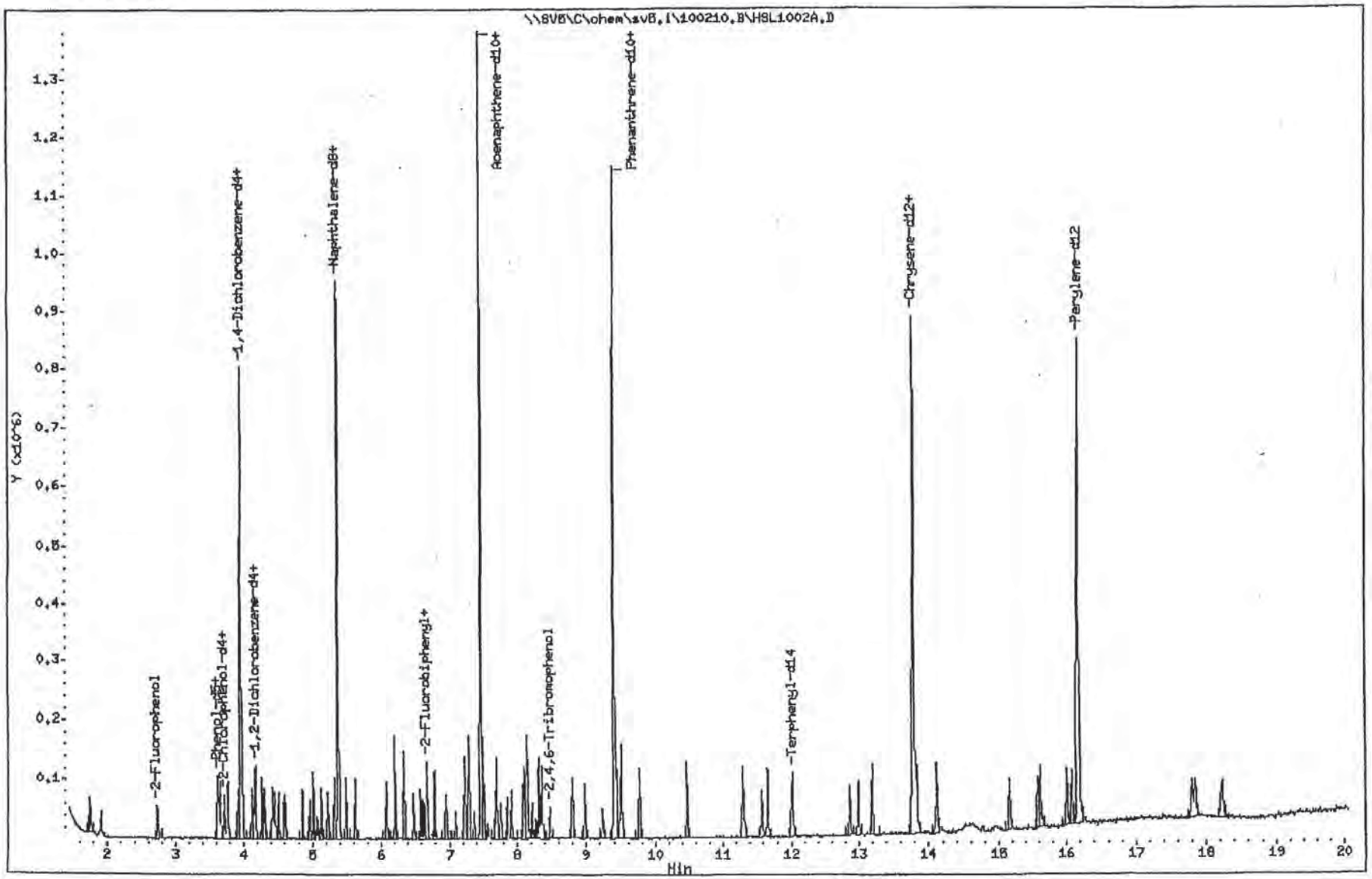
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV6\C\chem\sv6.i\100210.B\HSL1002A.D
Date : 02-OCT-2010 12:27
Client ID: 8270F.H
Sample Info: HSL_005 ug/ml CS-1;1;;1;;;;;4

Instrument: sv6.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002B.D
Lab Smp Id: HSL_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 12:53
Operator : KT Inst ID: sv5.i
Smp Info : HSL_010 ug/ml CS-2;1;;2;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	116839	40.0000		(Q)
* 2	Naphthalene-d8	136	5.364	5.374	(1.000)	493196	40.0000		
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	272639	40.0000		
* 4	Phenanthrene-d10	188	9.406	9.405	(1.000)	428440	40.0000		
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	412260	40.0000		
* 6	Perylene-d12	264	16.162	16.162	(1.000)	419005	40.0000		
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	38100	10.0000	9.251	
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	48878	10.0000	9.438	
$ 9	2-Chlorophenol-d4	132	3.747	3.758	(0.948)	45430	10.0000	9.989	
$ 10	1,2-Dichlorobenzene-d4	152	4.151	4.162	(1.050)	28658	10.0000	9.959	
$ 11	Nitrobenzene-d5	82	4.576	4.576	(0.853)	42237	10.0000	10.11	(QM)
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	85886	10.0000	9.779	
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	11265	10.0000	9.508	
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	81026	10.0000	9.978	
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	25783	10.0000	9.578	(Q)
16	Pyridine	79	1.737	1.726	(0.439)	40141	10.0000	8.917	(Q)
23	Aniline	93	3.654	3.654	(0.924)	63074	10.0000	9.568	(Q)
24	Phenol	94	3.623	3.623	(0.916)	57313	10.0000	9.631	(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	40363	10.0000	9.677	
27	2-Chlorophenol	128	3.768	3.768	(0.953)	45449	10.0000	9.950	
28	1,3-Dichlorobenzene	146	3.913	3.923	(0.990)	49415	10.0000	9.932	
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	52537	10.0000	10.10	
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	30277	10.0000	9.862	
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	47666	10.0000	9.966	
32	2-Methylphenol	108	4.255	4.255	(1.076)	40581	10.0000	9.714	
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	64869	10.0000	9.768	
34	4-Methylphenol	108	4.421	4.421	(1.118)	43497	10.0000	9.803	
36	Hexachloroethane	117	4.504	4.504	(1.139)	17770	10.0000	10.03	
37	N-Nitrosodipropylamine	70	4.442	4.442	(1.123)	28335	10.0000	9.587	
42	Nitrobenzene	77	4.597	4.597	(0.857)	40198	10.0000	9.845	
44	Isophorone	82	4.856	4.856	(0.905)	76804	10.0000	9.782	
45	2-Nitrophenol	139	4.960	4.960	(0.925)	23221	10.0000	9.585	
46	2,4-Dimethyphenol	107	5.012	5.012	(0.934)	42128	10.0000	9.787	

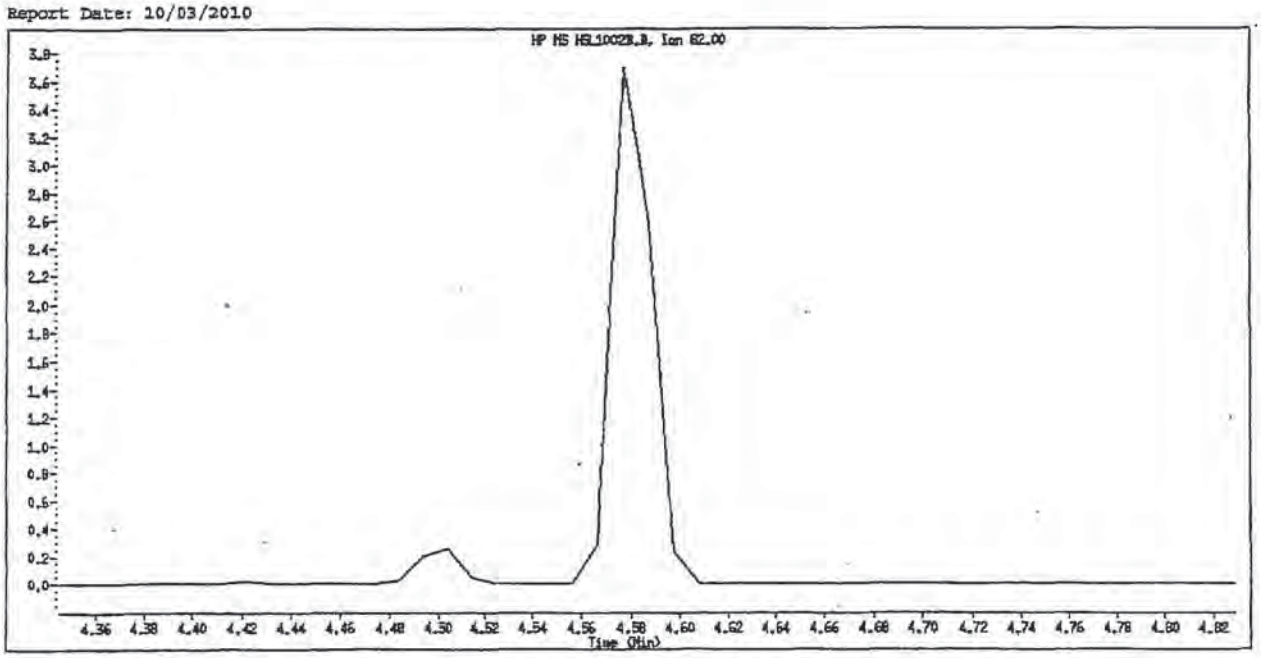
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.956)	46230	10.0000	9.636
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	32450	10.0000	9.744
50 Benzoic Acid	122	5.084	5.115	(0.948)	20056	10.0000	8.418
51 1,2,4-Trichlorobenzene	180	5.323	5.322	(0.992)	35544	10.0000	9.857
52 Naphthalene	128	5.395	5.395	(1.006)	138665	10.0000	10.18
54 4-Chloroaniline	127	5.488	5.488	(1.023)	52444	10.0000	9.826
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	17030	10.0000	9.650
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.131)	35592	10.0000	9.570
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	83922	10.0000	9.811
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	18919	10.0000	9.300
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	20325	10.0000	9.344
70 2,4,5-Trichlorphenol	196	6.618	6.628	(0.886)	22419	10.0000	9.567
71 2-Chloronaphthalene	162	6.773	6.784	(0.907)	74574	10.0000	9.719
73 2-Nitroaniline	65	6.950	6.949	(0.931)	21647	10.0000	9.308
76 Dimethylphthalate	163	7.219	7.229	(0.967)	85330	10.0000	9.659
77 Acenaphthylene	152	7.281	7.281	(0.975)	130392	10.0000	9.758
79 2,6-Dinitrotoluene	165	7.291	7.302	(0.976)	18661	10.0000	9.067 (QM)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	23598	10.0000	9.186 (q)
81 Acenaphthene	153	7.509	7.509	(1.006)	83474	10.0000	9.814
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	7537	10.0000	10.11 (q)
83 Dibenzofuran	168	7.696	7.706	(1.031)	110503	10.0000	9.789
84 4-Nitrophenol	109	7.675	7.675	(1.028)	9643	10.0000	9.049 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	24530	10.0000	9.080
91 Fluorene	166	8.131	8.131	(1.089)	91225	10.0000	9.759
92 Diethylphthalate	149	8.100	8.100	(1.085)	88532	10.0000	9.788
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	38113	10.0000	9.807
94 4-Nitroaniline	138	8.214	8.214	(1.100)	23002	10.0000	9.033
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	11282	10.0000	11.10
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	74860	11.7000	11.53
100 Azobenzene	77	8.349	8.348	(0.888)	82437	10.0000	9.784
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	19823	10.0000	9.478
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	23622	10.0000	10.11
110 Pentachlorophenol	266	9.240	9.240	(0.982)	10551	10.0000	10.90
114 Phenanthrene	178	9.437	9.437	(1.003)	134966	10.0000	9.995
115 Anthracene	178	9.499	9.499	(1.010)	130416	10.0000	9.667
118 Carbazole	167	9.768	9.768	(1.039)	120549	10.0000	9.782
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	141693	10.0000	9.555
126 Fluoranthene	202	11.302	11.302	(1.202)	115262	10.0000	9.526
127 Benzidine	184	11.571	11.571	(0.840)	78774	10.0000	9.428
128 Pyrene	202	11.654	11.665	(0.846)	127577	10.0000	9.901
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	66361	10.0000	8.997
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	62032	10.0000	9.605
138 Benzo(a)Anthracene	228	13.748	13.758	(0.998)	102788	10.0000	9.360
139 Chrysene	228	13.820	13.831	(1.003)	113552	10.0000	10.11
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	38850	10.0000	9.379
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	83377	10.0000	9.372
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	126961	10.0000	8.928
144 Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	84929	10.0000	8.954 (Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	122065	10.0000	10.02 (q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	97140	10.0000	9.821
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	102327	10.0000	9.516
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	76748	10.0000	8.824
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	88393	10.0000	9.097
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	103135	10.0000	9.804

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				206994	10.0000	9.556 (A)

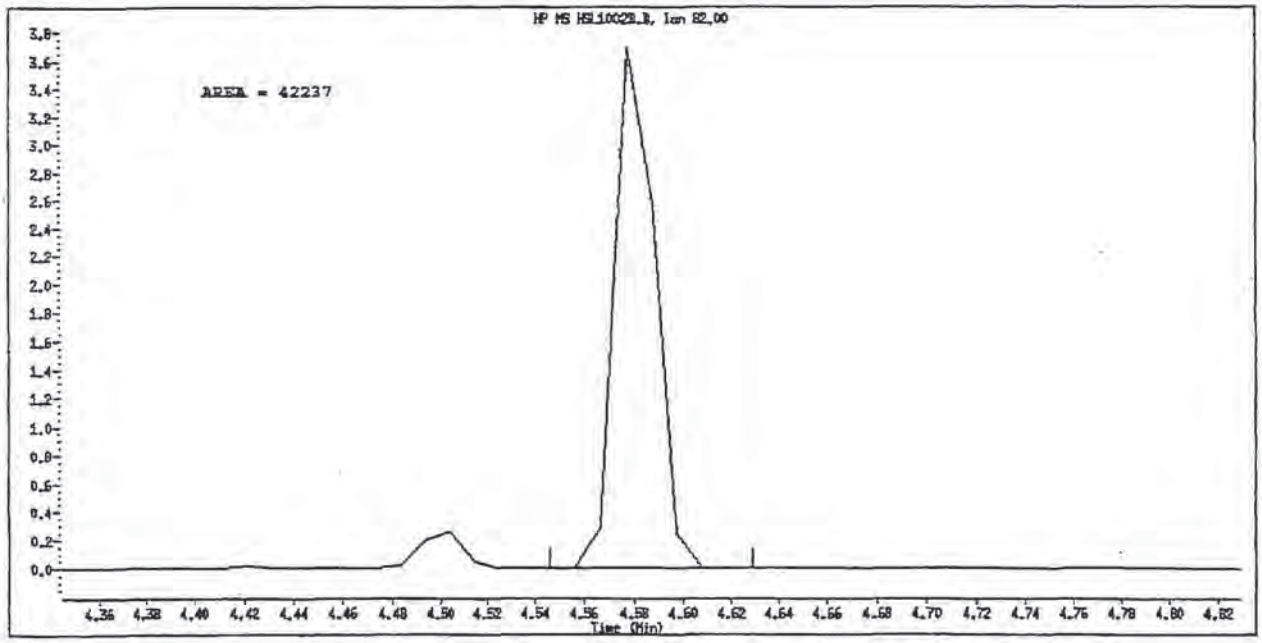
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002B.D
Inj. Date and Time: 02-OCT-2010 12:53
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0
Report Date: 10/03/2010



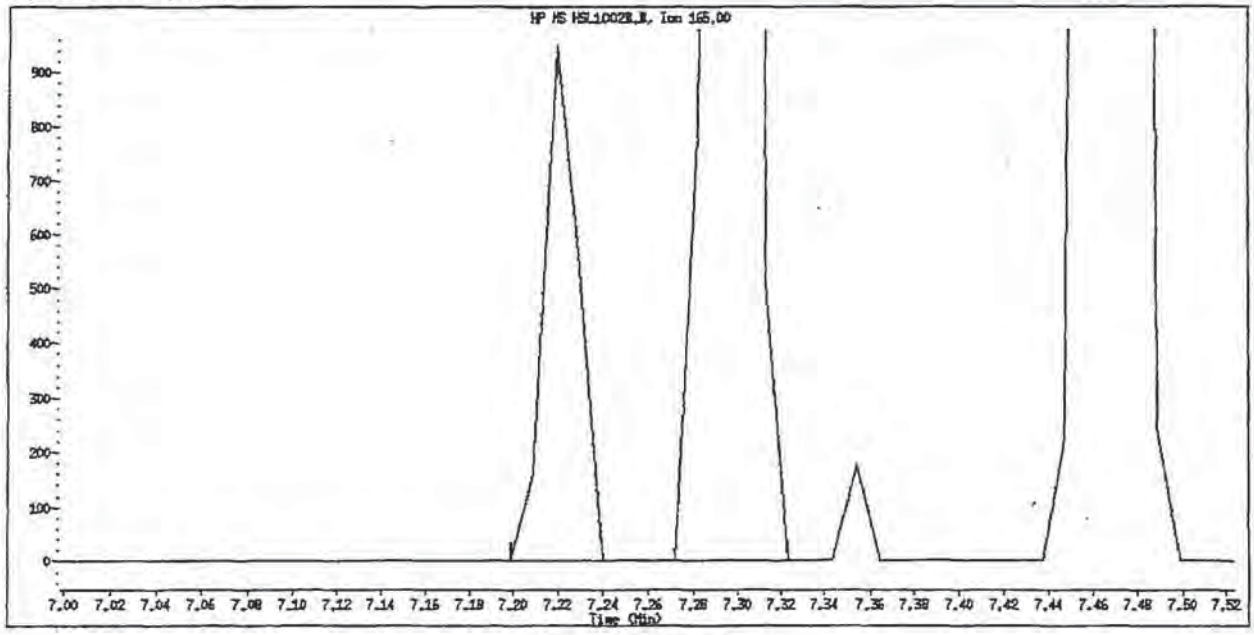
Original Integration



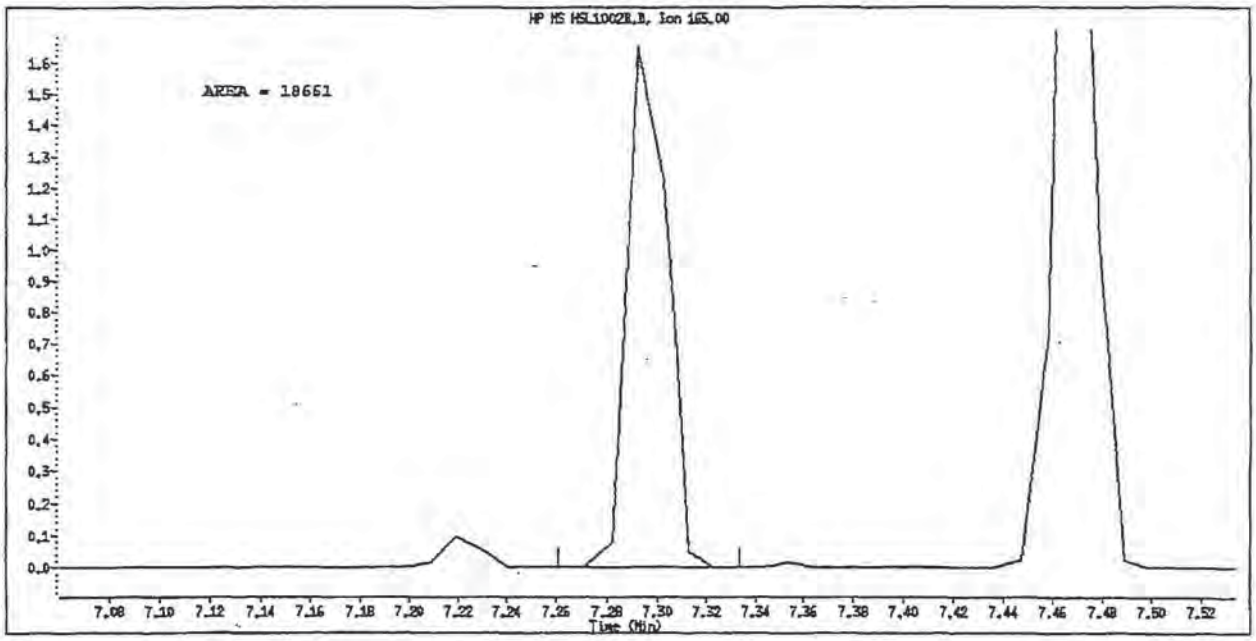
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Peak Not Found

Data File Name: HSL1002B.D
Inj. Date and Time: 02-OCT-2010 12:53
Instrument ID: svS.i
Client ID: B270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002B.D
Lab Smp Id: HSL_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 12:53
Operator : KT Inst ID: sv5.i
Smp Info : HSL_010 ug/ml CS-2;1;;2;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	116839	40.0000		(Q)
* 2 Naphthalene-d8	136	5.364	5.374	(1.000)	493196	40.0000		
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	272639	40.0000		
* 4 Phenanthrene-d10	188	9.406	9.405	(1.000)	428440	40.0000		
* 5 Chrysene-d12	240	13.779	13.779	(1.000)	412260	40.0000		
* 6 Perylene-d12	264	16.162	16.162	(1.000)	419005	40.0000		
$ 7 2-Fluorophenol	112	2.732	2.732	(0.691)	38100	10.0000	8.835	
$ 8 Phenol-d5	99	3.613	3.613	(0.914)	48878	10.0000	8.913	
$ 9 2-Chlorophenol-d4	132	3.747	3.758	(0.948)	45430	10.0000	9.716	
$ 10 1,2-Dichlorobenzene-d4	152	4.151	4.162	(1.050)	28658	10.0000	9.820	
$ 11 Nitrobenzene-d5	82	Compound Not Detected.						
$ 12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	85886	10.0000	9.835	
$ 13 2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	11265	10.0000	10.46	
$ 14 Terphenyl-d14	244	12.017	12.017	(0.872)	81026	10.0000	10.08	
15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	25783	10.0000	9.059	
16 Pyridine	79	1.737	1.726	(0.439)	40141	10.0000	8.464	
23 Aniline	93	3.654	3.654	(0.924)	63074	10.0000	9.172	(Q)
24 Phenol	94	3.623	3.623	(0.916)	57313	10.0000	9.827	(Q)
26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	40383	10.0000	9.114	
27 2-Chlorophenol	128	3.768	3.768	(0.953)	45449	10.0000	9.848	
28 1,3-Dichlorobenzene	146	3.913	3.923	(0.990)	49415	10.0000	9.689	
29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	52537	10.0000	10.19	
30 Benzyl Alcohol	108	4.120	4.120	(1.042)	30277	10.0000	9.547	
31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	47666	10.0000	9.755	
32 2-Methylphenol	108	4.255	4.255	(1.076)	40581	10.0000	9.413	
33 2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	64869	10.0000	7.888	
34 4-Methylphenol	108	4.421	4.421	(1.118)	43497	10.0000	9.466	
36 Hexachloroethane	117	4.504	4.504	(1.139)	17770	10.0000	9.768	
37 N-Nitrosodipropylamine	70	4.442	4.442	(1.123)	28335	10.0000	8.809	
42 Nitrobenzene	77	4.597	4.597	(0.857)	40198	10.0000	9.246	
44 Isophorone	82	4.856	4.856	(0.905)	76804	10.0000	9.318	
45 2-Nitrophenol	139	4.960	4.960	(0.925)	23221	10.0000	9.784	
46 2,4-Dimethyphenol	107	5.012	5.012	(0.934)	42128	10.0000	9.559	

10-3-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.956)	46230	10.0000	9.421
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	32450	10.0000	10.00
50 Benzoic Acid	122	5.084	5.115	(0.948)	20056	10.0000	8.164
51 1,2,4-Trichlorobenzene	180	5.323	5.322	(0.992)	35544	10.0000	10.11
52 Naphthalene	128	5.395	5.395	(1.006)	138665	10.0000	10.10
54 4-Chloroaniline	127	5.488	5.488	(1.023)	52444	10.0000	9.711
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	17030	10.0000	10.18
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.131)	35592	10.0000	9.536
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	83922	10.0000	10.02
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	18919	10.0000	9.098
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	20325	10.0000	9.847
70 2,4,5-Trichlorphenol	196	6.618	6.628	(0.886)	22419	10.0000	9.889
71 2-Chloronaphthalene	162	6.773	6.784	(0.907)	74574	10.0000	9.756
73 2-Nitroaniline	65	6.950	6.949	(0.931)	21647	10.0000	8.456
76 Dimethylphthalate	163	7.219	7.229	(0.967)	85330	10.0000	9.665
77 Acenaphthylene	152	7.281	7.281	(0.975)	130392	10.0000	9.758
79 2,6-Dinitrotoluene	165	7.219	7.302	(0.967)	19698	10.0000	9.963 (Q)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	23598	10.0000	9.002 (q)
81 Acenaphthene	153	7.509	7.509	(1.006)	83474	10.0000	9.804
82 2,4-Dinitrophenol	184	7.571	7.571	(1.014)	7537	10.0000	9.147 (q)
83 Dibenzofuran	168	7.696	7.706	(1.031)	110503	10.0000	9.824
84 4-Nitrophenol	109	7.675	7.675	(1.028)	9643	10.0000	8.425 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	24530	10.0000	9.262
91 Fluorene	166	8.131	8.131	(1.089)	91225	10.0000	9.898
92 Diethylphthalate	149	8.100	8.100	(1.085)	88532	10.0000	9.594
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	38113	10.0000	10.03
94 4-Nitroaniline	138	8.214	8.214	(1.100)	23002	10.0000	8.977
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	11282	10.0000	11.76
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	74860	11.7000	11.21
100 Azobenzene	77	8.349	8.348	(0.888)	82437	10.0000	8.875
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	19823	10.0000	9.575
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	23622	10.0000	10.56
110 Pentachlorophenol	266	9.240	9.240	(0.982)	10551	10.0000	7.861
114 Phenanthrene	178	9.437	9.437	(1.003)	134966	10.0000	10.10
115 Anthracene	178	9.499	9.499	(1.010)	130416	10.0000	9.697
118 Carbazole	167	9.768	9.768	(1.039)	120549	10.0000	9.637
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	141693	10.0000	9.367
126 Fluoranthene	202	11.302	11.302	(1.202)	115262	10.0000	9.583
127 Benzidine	184	11.571	11.571	(0.840)	78774	10.0000	9.305
128 Pyrene	202	11.654	11.665	(0.846)	127577	10.0000	9.897
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	66361	10.0000	9.134
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	62032	10.0000	9.418
138 Benzo(a)Anthracene	228	13.748	13.758	(0.998)	102788	10.0000	9.450
139 Chrysene	228	13.820	13.831	(1.003)	113552	10.0000	10.05
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	38850	10.0000	9.762
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	83377	10.0000	9.194
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	126961	10.0000	8.756
144 Benzo(b)fluoranthene	252	15.572	15.582	(0.963)	84929	10.0000	8.548 (Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	122065	10.0000	10.51 (q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	97140	10.0000	9.863
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	102327	10.0000	9.463
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	76748	10.0000	8.022
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	88393	10.0000	9.016
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	103135	10.0000	9.811

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				206994	10.0000	9.607(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002B.D
Lab Smp Id: HSL_010 ug/ml CS-2
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	116839	-4.72
2 Naphthalene-d8	530514	265257	1061028	493196	-7.03
3 Acenaphthene-d10	282538	141269	565076	272639	-3.50
4 Phenanthrene-d10	462722	231361	925444	428440	-7.41
5 Chrysene-d12	435850	217925	871700	412260	-5.41
6 Perylene-d12	422284	211142	844568	419005	-0.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.36	-0.19
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

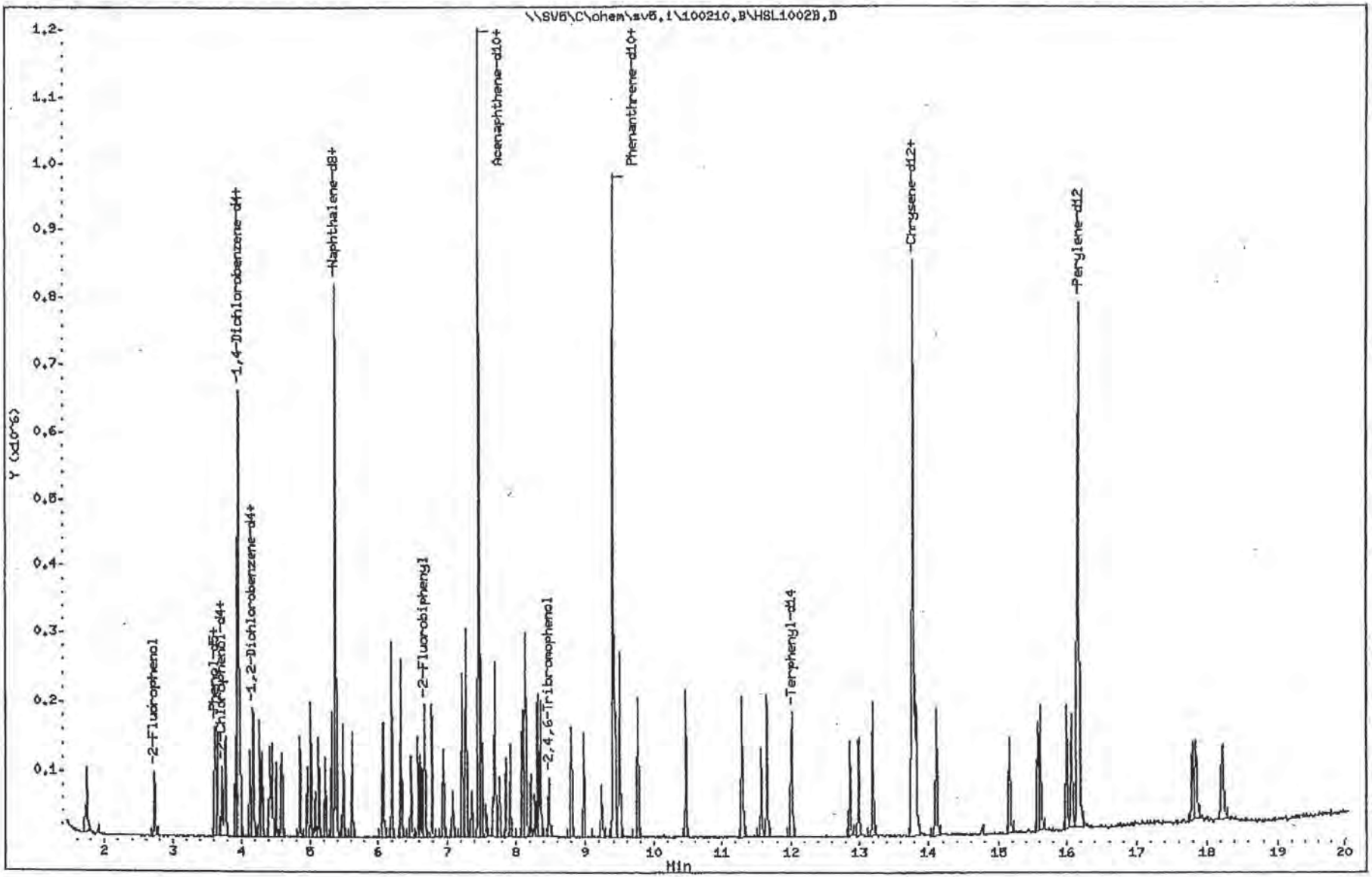
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\100210.B\HSL1002B.D
Date : 02-OCT-2010 12:53
Client ID: 8270F.H
Sample Info: HSL_010 ug/ml CS-2;1;;2;;;;4

Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002C.D
Lab Smp Id: HSL_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 13:18
Operator : KT Inst ID: sv5.i
Smp Info : HSL_020 ug/ml CS-3;1;;3;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	3.954	3.955	(1.000)	145926	40.0000		(Q)
* 2	Naphthalene-d8	136	5.364	5.374	(1.000)	625682	40.0000		
* 3	Acenaphthene-d10	164	7.467	7.468	(1.000)	328608	40.0000		
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	525834	40.0000		
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	590727	40.0000		
* 6	Perylene-d12	264	16.162	16.162	(1.000)	619266	40.0000		
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	100961	20.0000	19.63	
$ 8	Phenol-d5	99	3.612	3.613	(0.914)	127066	20.0000	19.64	
$ 9	2-Chlorophenol-d4	132	3.747	3.758	(0.948)	112302	20.0000	19.77	
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	72837	20.0000	20.27	(q)
$ 11	Nitrobenzene-d5	82	4.576	4.576	(0.853)	103440	20.0000	19.52	
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	209764	20.0000	19.82	
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	28698	20.0000	20.10	
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	218324	20.0000	18.76	
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	66431	20.0000	19.76	(q)
16	Pyridine	79	1.726	1.726	(0.437)	116339	20.0000	20.69	(Q)
23	Aniline	93	3.654	3.654	(0.924)	160510	20.0000	19.50	
24	Phenol	94	3.623	3.623	(0.916)	147994	20.0000	19.91	
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	101777	20.0000	19.53	
27	2-Chlorophenol	128	3.768	3.768	(0.953)	114481	20.0000	20.07	
28	1,3-Dichlorobenzene	146	3.913	3.923	(0.990)	122398	20.0000	19.70	
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	126965	20.0000	19.54	
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	72366	20.0000	18.87	
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	117073	20.0000	19.60	
32	2-Methylphenol	108	4.255	4.255	(1.076)	101499	20.0000	19.45	
33	2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	166596	20.0000	20.08	
34	4-Methylphenol	108	4.421	4.421	(1.118)	106723	20.0000	19.26	
36	Hexachloroethane	117	4.504	4.504	(1.139)	44196	20.0000	19.98	
37	N-Nitrosodipropylamine	70	4.441	4.442	(1.123)	73913	20.0000	20.02	
42	Nitrobenzene	77	4.597	4.597	(0.857)	101809	20.0000	19.65	
44	Isophorone	82	4.856	4.856	(0.905)	191333	20.0000	19.21	
45	2-Nitrophenol	139	4.960	4.960	(0.925)	58938	20.0000	19.18	
46	2,4-Dimethylphenol	107	5.011	5.012	(0.934)	107325	20.0000	19.65	

LY 10-3-10

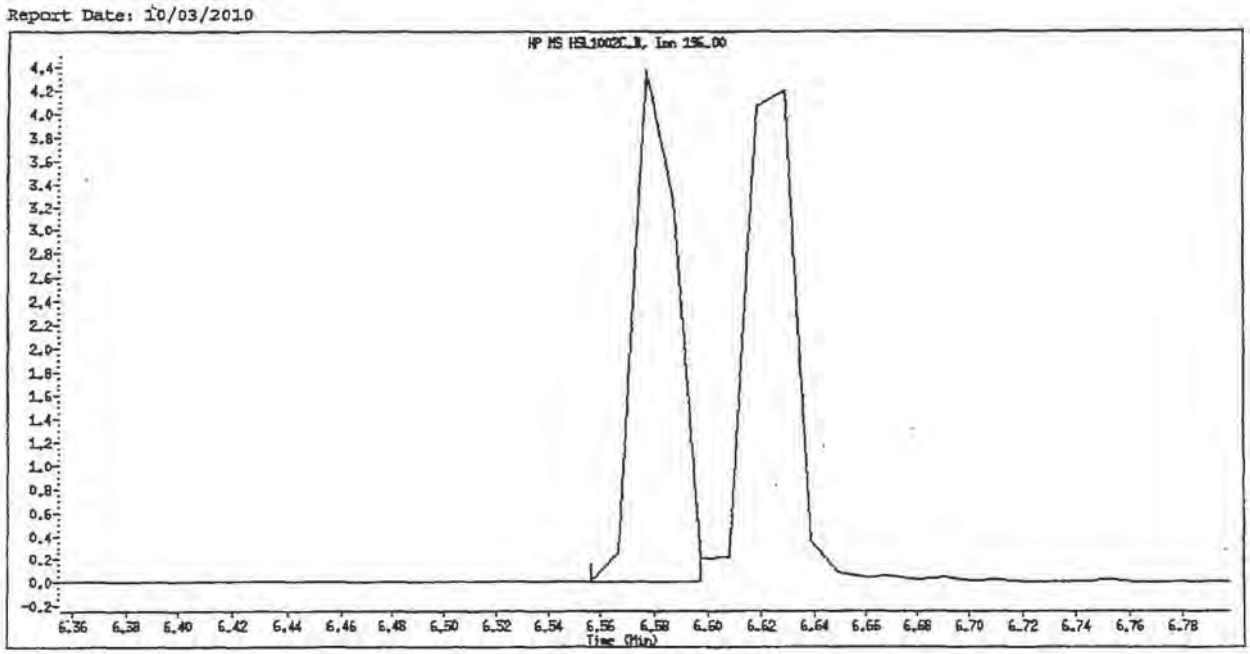
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.956)	120646	20.0000	19.82
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	84525	20.0000	20.01
50 Benzoic Acid	122	5.094	5.115	(0.950)	54506	20.0000	18.03
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.992)	89082	20.0000	19.47
52 Naphthalene	128	5.395	5.395	(1.006)	336100	20.0000	19.46
54 4-Chloroaniline	127	5.488	5.488	(1.023)	135348	20.0000	19.99
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	45138	20.0000	20.16
60 4-Chloro-3-Methylphenol	107	6.068	6.069	(1.131)	90970	20.0000	19.28
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	212981	20.0000	19.62
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	47478	20.0000	19.36
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	49658	20.0000	18.94(Q)
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	55529	20.0000	19.66(QM)
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	180754	20.0000	19.54
73 2-Nitroaniline	65	6.949	6.949	(0.931)	54872	20.0000	19.58
76 Dimethylphthalate	163	7.219	7.229	(0.967)	213272	20.0000	20.03
77 Acenaphthylene	152	7.281	7.281	(0.975)	315165	20.0000	19.57
79 2,6-Dinitrotoluene	165	7.291	7.302	(0.976)	49111	20.0000	19.80(QM)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	59114	20.0000	19.09
81 Acenaphthene	153	7.509	7.509	(1.006)	208228	20.0000	20.31
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	23799	20.0000	19.52
83 Dibenzofuran	168	7.695	7.706	(1.031)	271431	20.0000	19.95
84 4-Nitrophenol	109	7.675	7.675	(1.028)	25164	20.0000	19.59(Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	63223	20.0000	19.42
91 Fluorene	166	8.131	8.131	(1.089)	220647	20.0000	19.58
92 Diethylphthalate	149	8.100	8.100	(1.085)	216140	20.0000	19.83
93 4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	93468	20.0000	19.95
94 4-Nitroaniline	138	8.214	8.214	(1.100)	61333	20.0000	19.98
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	32982	20.0000	20.44
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	186206	23.4000	23.36
100 Azobenzene	77	8.348	8.348	(0.888)	203290	20.0000	19.66
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	50693	20.0000	19.75
108 Hexachlorobenzene	284	8.980	8.981	(0.955)	54528	20.0000	19.02
110 Pentachlorophenol	266	9.240	9.240	(0.982)	30451	20.0000	20.33
114 Phenanthrene	178	9.436	9.437	(1.003)	329718	20.0000	19.89
115 Anthracene	178	9.499	9.499	(1.010)	326558	20.0000	19.72
118 Carbazole	167	9.768	9.768	(1.039)	298921	20.0000	19.76
120 Di-n-Butylphthalate	149	10.462	10.463	(1.112)	358075	20.0000	19.68
126 Fluoranthene	202	11.302	11.302	(1.202)	308182	20.0000	20.75
127 Benzidine	184	11.571	11.571	(0.840)	222260	20.0000	18.56
128 Pyrene	202	11.665	11.665	(0.847)	345805	20.0000	18.73
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	198960	20.0000	18.82
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	174685	20.0000	18.88
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	304948	20.0000	19.38
139 Chrysene	228	13.820	13.831	(1.003)	314030	20.0000	19.51
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	115458	20.0000	19.45
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	248201	20.0000	19.47
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	400592	20.0000	19.66
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	256213	20.0000	18.28(Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	371629	20.0000	20.65(q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	281015	20.0000	19.22
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	307781	20.0000	19.37
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	228110	20.0000	17.74
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	270172	20.0000	18.81
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	301520	20.0000	19.39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				527842	20.0000	19.61 (A)

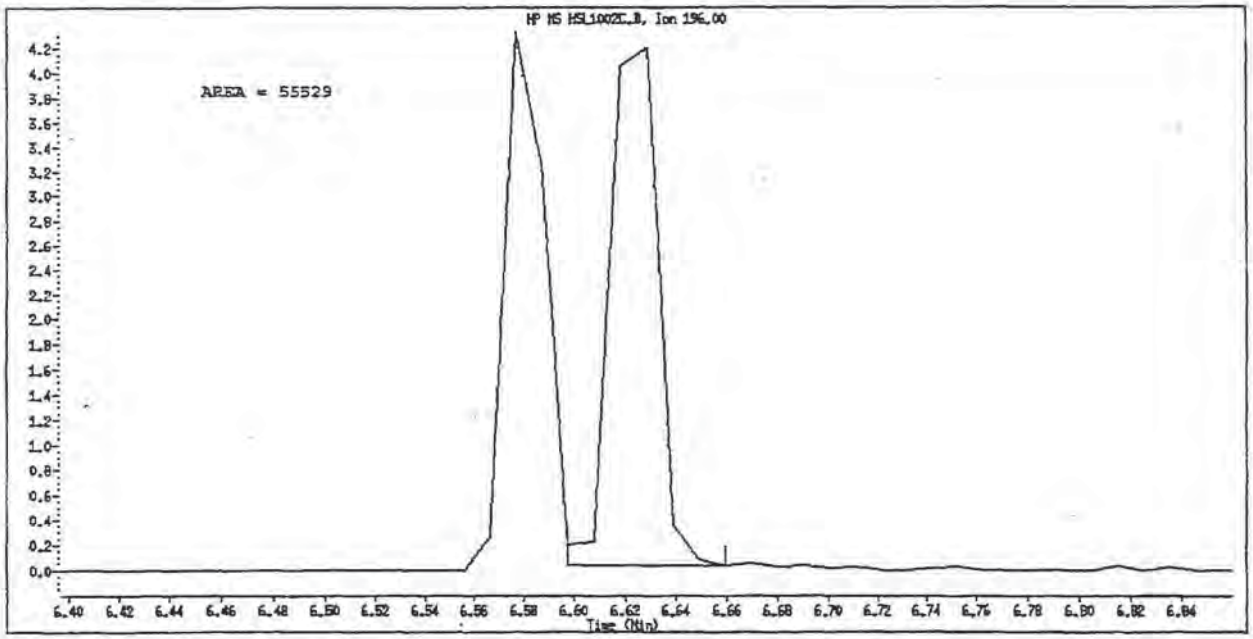
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002C.D
Inj. Date and Time: 02-OCT-2010 13:18
Instrument ID: gv5.i
Client ID: 8270F.M
Compound Name: 2,4,5-Trichlorphenol
CAS #: 95-95-4
Report Date: 10/03/2010



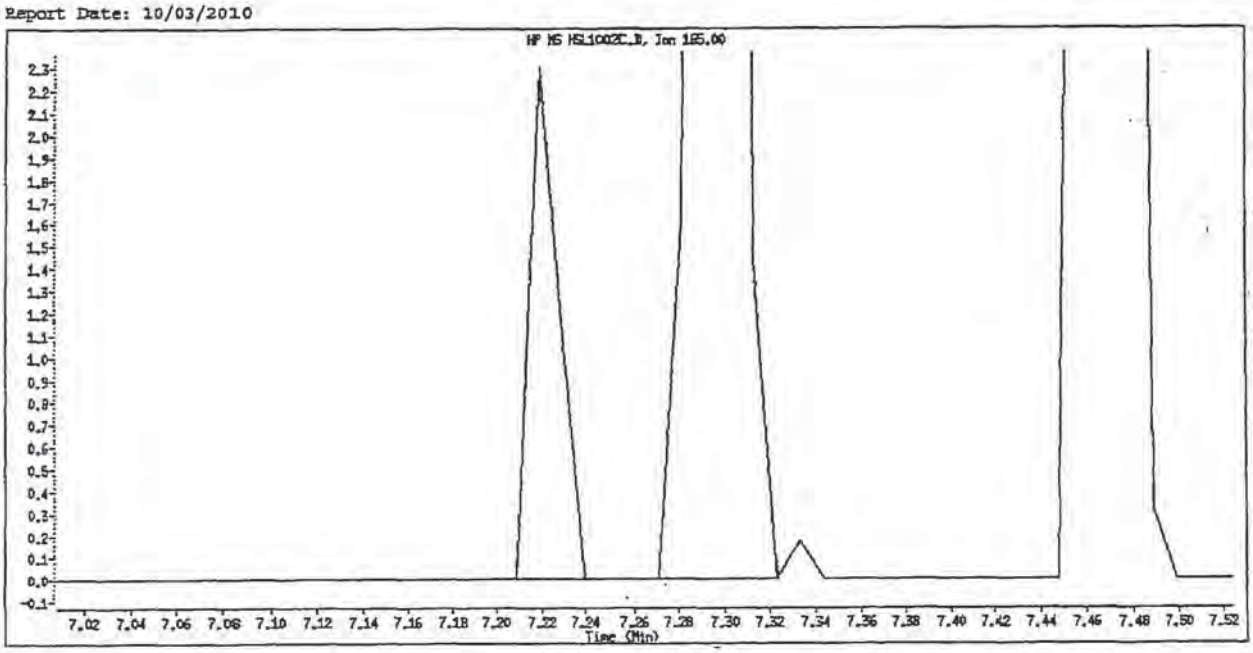
Original Integration



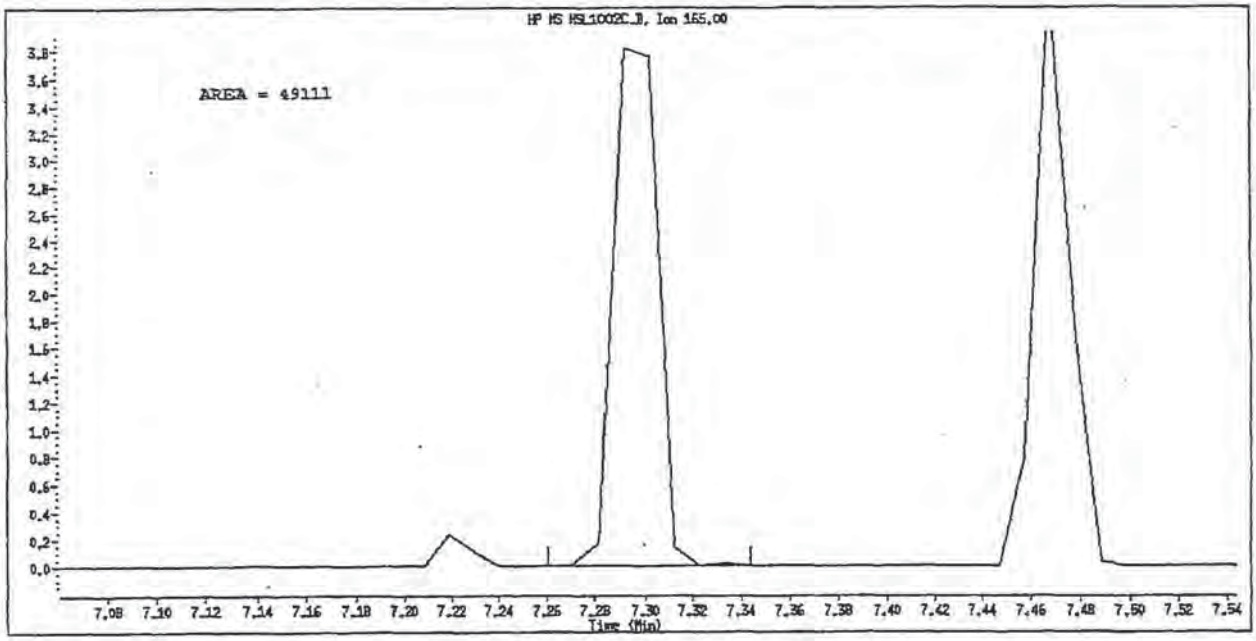
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

Data File Name: HSL1002C.D
Inj. Date and Time: 02-OCT-2010 13:18
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002C.D
Lab Smp Id: HSL_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 13:18
Operator : KT Inst ID: sv5.i
Smp Info : HSL_020 ug/ml CS-3;1;;3;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	3.954	3.955	(1.000)	145926	40.0000		(Q)
* 2	Naphthalene-d8	136	5.364	5.374	(1.000)	625682	40.0000		
* 3	Acenaphthene-d10	164	7.467	7.468	(1.000)	328608	40.0000		
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	525834	40.0000		
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	590727	40.0000		
* 6	Perylene-d12	264	16.162	16.162	(1.000)	619266	40.0000		
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	100961	20.0000	18.75	
$ 8	Phenol-d5	99	3.612	3.613	(0.914)	127066	20.0000	18.55	
$ 9	2-Chlorophenol-d4	132	3.747	3.758	(0.948)	112302	20.0000	19.23	
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	72837	20.0000	19.98	(q)
$ 11	Nitrobenzene-d5	82	4.576	4.576	(0.853)	103440	20.0000	18.64	
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	209764	20.0000	19.93	
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	28698	20.0000	22.12	
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	218324	20.0000	18.95	
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	66431	20.0000	18.69	
16	Pyridine	79	1.726	1.726	(0.437)	116339	20.0000	19.64	
23	Aniline	93	3.654	3.654	(0.924)	160510	20.0000	18.69	
24	Phenol	94	3.623	3.623	(0.916)	147994	20.0000	20.32	
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	101777	20.0000	18.39	
27	2-Chlorophenol	128	3.768	3.768	(0.953)	114481	20.0000	19.86	
28	1,3-Dichlorobenzene	146	3.913	3.923	(0.990)	122398	20.0000	19.22	
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	125965	20.0000	19.72	
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	72366	20.0000	18.27	
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	117073	20.0000	19.18	
32	2-Methylphenol	108	4.255	4.255	(1.076)	101499	20.0000	18.85	
33	2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	166596	20.0000	16.22	
34	4-Methylphenol	108	4.421	4.421	(1.118)	106723	20.0000	18.60	
36	Hexachloroethane	117	4.504	4.504	(1.139)	44196	20.0000	19.45	
37	N-Nitrosodinpropylamine	70	4.441	4.442	(1.123)	73913	20.0000	18.40	
42	Nitrobenzene	77	4.597	4.597	(0.857)	101809	20.0000	18.46	
44	Isophorone	82	4.856	4.856	(0.905)	191333	20.0000	18.30	
45	2-Nitrophenol	139	4.960	4.960	(0.925)	58938	20.0000	19.57	
46	2,4-Dimethyphenol	107	5.011	5.012	(0.934)	107325	20.0000	19.20	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.956)	120646	20.0000	19.38
49 2,4-Dichlorophenol	162	5.229	5.229	(0.975)	84525	20.0000	20.54
50 Benzoic Acid	122	5.094	5.115	(0.950)	54506	20.0000	17.49
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.992)	89082	20.0000	19.97
52 Naphthalene	128	5.395	5.395	(1.006)	336100	20.0000	19.30
54 4-Chloroaniline	127	5.488	5.488	(1.023)	135348	20.0000	19.76
57 Hexachlorobutadiene	225	5.613	5.613	(1.046)	45138	20.0000	21.26
60 4-Chloro-3-Methylphenol	107	6.068	6.069	(1.131)	90970	20.0000	19.21
63 2-Methylnaphthalene	142	6.203	6.203	(1.156)	212981	20.0000	20.04
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	47478	20.0000	18.94
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	49658	20.0000	19.96 (Q)
70 2,4,5-Trichlorphenol	196	6.576	6.628	(0.881)	49658	20.0000	18.17 (Q)
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	180754	20.0000	19.62
73 2-Nitroaniline	65	6.949	6.949	(0.931)	54872	20.0000	17.78
76 Dimethylphthalate	163	7.219	7.229	(0.967)	213272	20.0000	20.04
77 Acenaphthylene	152	7.281	7.281	(0.975)	315165	20.0000	19.57
79 2,6-Dinitrotoluene	165	7.219	7.302	(0.967)	51125	20.0000	21.45 (Q)
80 3-Nitroaniline	138	7.447	7.447	(0.997)	59114	20.0000	18.71
81 Acenaphthene	153	7.509	7.509	(1.006)	208228	20.0000	20.29
82 2,4-Dinitrophenol	184	7.571	7.571	(1.014)	23799	20.0000	19.22
83 Dibenzofuran	168	7.695	7.706	(1.031)	271431	20.0000	20.02
84 4-Nitrophenol	109	7.675	7.675	(1.028)	25164	20.0000	18.24 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	63223	20.0000	19.81
91 Fluorene	166	8.131	8.131	(1.089)	220647	20.0000	19.86
92 Diethylphthalate	149	8.100	8.100	(1.085)	216140	20.0000	19.43
93 4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	93468	20.0000	20.41
94 4-Nitroaniline	138	8.214	8.214	(1.100)	61333	20.0000	19.86
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	32982	20.0000	20.90
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	186206	23.4000	22.72
100 Azobenzene	77	8.348	8.348	(0.888)	203290	20.0000	17.83
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	50693	20.0000	19.95
108 Hexachlorobenzene	284	8.980	8.961	(0.955)	54528	20.0000	19.87
110 Pentachlorophenol	266	9.240	9.240	(0.982)	30451	20.0000	18.48
114 Phenanthrene	178	9.436	9.437	(1.003)	329718	20.0000	20.10
115 Anthracene	178	9.499	9.499	(1.010)	326558	20.0000	19.78
118 Carbazole	167	9.768	9.768	(1.039)	298921	20.0000	19.47
120 Di-n-Butylphthalate	149	10.462	10.463	(1.112)	358075	20.0000	19.29
126 Fluoranthene	202	11.302	11.302	(1.202)	308182	20.0000	20.88
127 Benzidine	184	11.571	11.571	(0.840)	222260	20.0000	18.32
128 Pyrene	202	11.665	11.665	(0.847)	345805	20.0000	18.72
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	198960	20.0000	19.11
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	174685	20.0000	18.51
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	304948	20.0000	19.57
139 Chrysene	228	13.820	13.831	(1.003)	314030	20.0000	19.39
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	115458	20.0000	20.25
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	248201	20.0000	19.10
142 Di-n-octylphthalate	149	15.157	15.167	(1.100)	400592	20.0000	19.28
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	256213	20.0000	17.45 (Q)
145 Benzo(k)fluoranthene	252	15.613	15.623	(0.966)	371629	20.0000	21.66 (Q)
147 Benzo(e)pyrene	252	15.996	16.007	(0.990)	281015	20.0000	19.30
148 Benzo(a)pyrene	252	16.069	16.079	(0.994)	307781	20.0000	19.26
151 Indeno(1,2,3-cd)pyrene	276	17.789	17.800	(1.101)	228110	20.0000	16.13
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	270172	20.0000	18.64
153 Benzo(g,h,i)perylene	276	18.224	18.235	(1.128)	301520	20.0000	19.41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				627842	20.0000	19.72 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002C.D
Lab Smp Id: HSL_020 ug/ml CS-3
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	145926	19.00
2 Naphthalene-d8	530514	265257	1061028	625682	17.94
3 Acenaphthene-d10	282538	141269	565076	328608	16.31
4 Phenanthrene-d10	462722	231361	925444	525834	13.64
5 Chrysene-d12	435850	217925	871700	590727	35.53
6 Perylene-d12	422284	211142	844568	619266	46.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.95	-0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.36	-0.20
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	-0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	-0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	-0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	-0.00

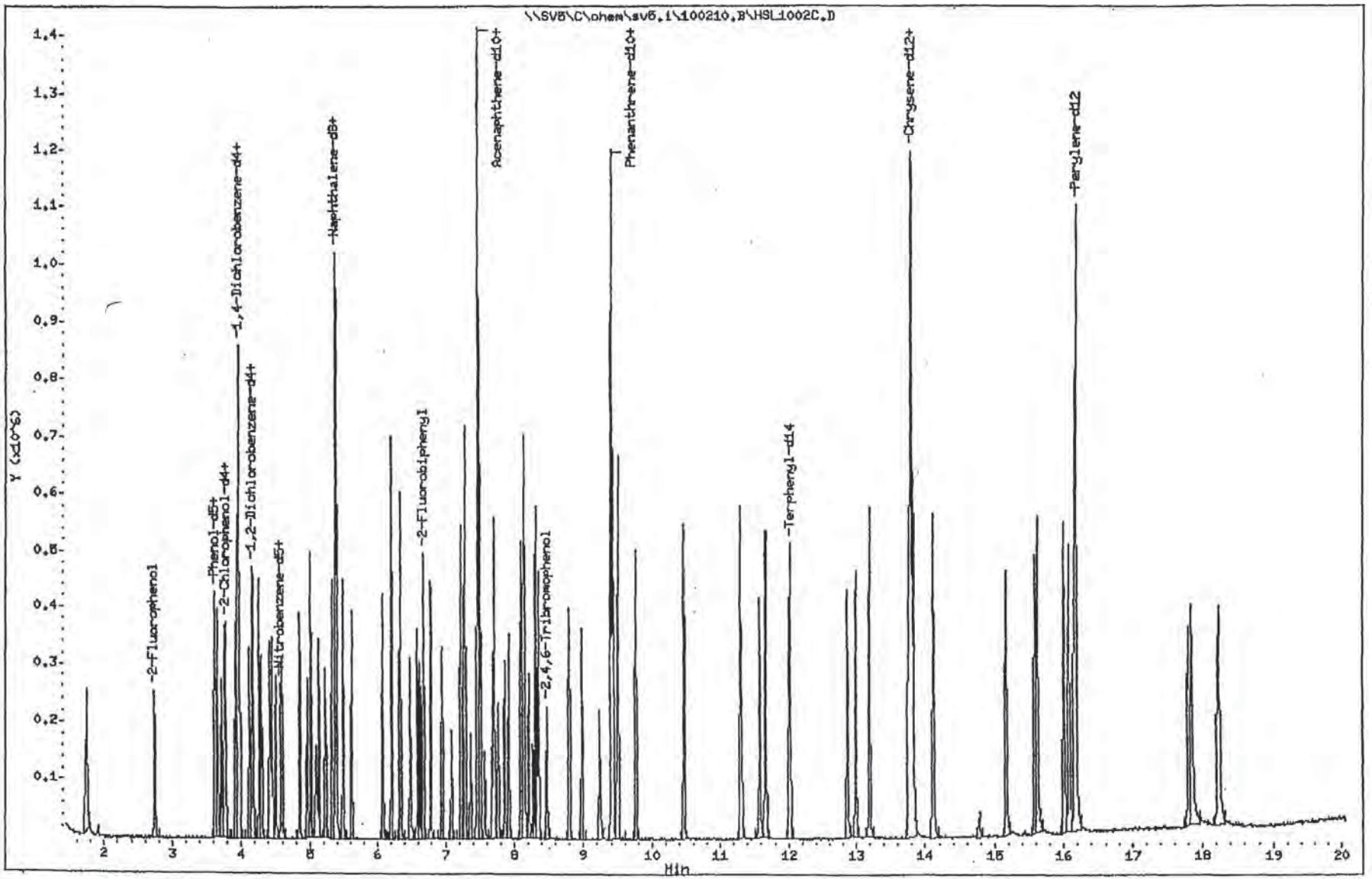
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\100210.B\HSL1002C.D
Date : 02-OCT-2010 13:18
Client ID: 8270F.H
Sample Info: HSL_020 ug/ml CS-3;1;;3;;;;;4

Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002D.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 13:44
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml CS-4;1;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	122625	40.0000	
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	530514	40.0000	
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	282538	40.0000	
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	462722	40.0000	
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	435850	40.0000	
* 6	Perylene-d12	264	16.162	16.162	(1.000)	422284	40.0000	
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	220986	50.0000	51.13
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	274382	50.0000	50.48
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	244352	50.0000	51.19
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	151616	50.0000	50.20
$ 11	Nitrobenzene-d5	82	4.576	4.576	(0.852)	226162	50.0000	50.33
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	473978	50.0000	52.08
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	63311	50.0000	51.57
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	438253	50.0000	51.05
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	140972	50.0000	49.90 (M)
16	Pyridine	79	1.726	1.726	(0.437)	240053	50.0000	50.81 (M)
23	Aniline	93	3.654	3.654	(0.924)	346504	50.0000	50.08
24	Phenol	94	3.623	3.623	(0.916)	311820	50.0000	49.93
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	220455	50.0000	50.34
27	2-Chlorophenol	128	3.768	3.768	(0.953)	242442	50.0000	50.57
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	265384	50.0000	50.82
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	271151	50.0000	49.66
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	160914	50.0000	49.94
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	257606	50.0000	51.32
32	2-Methylphenol	108	4.255	4.255	(1.076)	218610	50.0000	49.86
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	349371	50.0000	50.12
34	4-Methylphenol	108	4.421	4.421	(1.118)	233354	50.0000	50.11
36	Hexachloroethane	117	4.504	4.504	(1.139)	94106	50.0000	50.62
37	N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	156914	50.0000	50.59
42	Nitrobenzene	77	4.597	4.597	(0.855)	219387	50.0000	49.95
44	Isophorone	82	4.856	4.856	(0.904)	420061	50.0000	49.74
45	2-Nitrophenol	139	4.960	4.960	(0.923)	132771	50.0000	50.95
46	2,4-Dimethyphenol	107	5.012	5.012	(0.933)	231517	50.0000	50.00

10-3-10

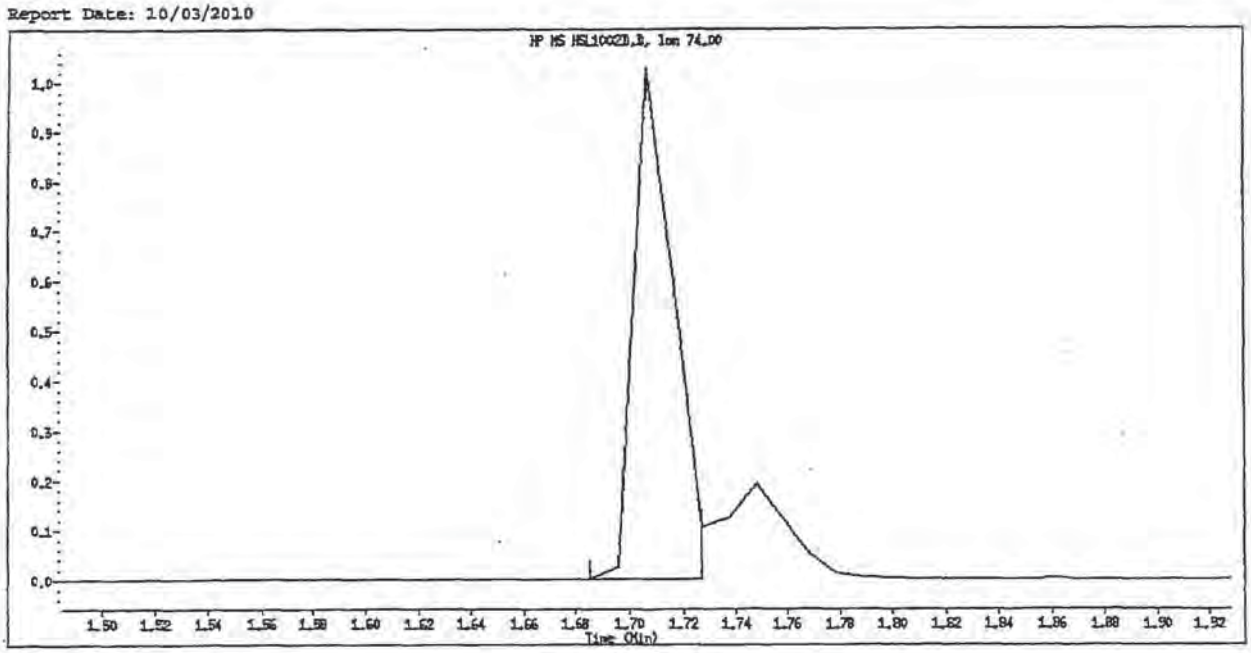
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	253648	50.0000	49.15
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	179296	50.0000	50.05
50 Benzoic Acid	122	5.115	5.115	(0.952)	128366	50.0000	50.08
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	197265	50.0000	50.86
52 Naphthalene	128	5.395	5.395	(1.004)	724980	50.0000	49.49
54 4-Chloroaniline	127	5.488	5.488	(1.021)	291184	50.0000	50.72
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	95592	50.0000	50.36
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	205388	50.0000	51.34
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	464646	50.0000	50.50
65 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	104908	50.0000	49.76
69 2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	113001	50.0000	50.13
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	128196	50.0000	52.79
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	403257	50.0000	50.72
73 2-Nitroaniline	65	6.949	6.949	(0.931)	124335	50.0000	51.59
76 Dimethylphthalate	163	7.229	7.229	(0.968)	475258	50.0000	51.91
77 Acenaphthylene	152	7.281	7.281	(0.975)	712158	50.0000	51.43
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	110261	50.0000	51.69
80 3-Nitroaniline	138	7.447	7.447	(0.997)	141396	50.0000	53.11
81 Acenaphthene	153	7.509	7.509	(1.006)	448691	50.0000	50.90
82 2,4-Dinitrophenol	184	7.571	7.572	(1.014)	58864	50.0000	47.37
83 Dibenzofuran	168	7.706	7.706	(1.032)	598735	50.0000	51.18
84 4-Nitrophenol	109	7.675	7.675	(1.028)	56777	50.0000	51.41
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	148875	50.0000	53.18
91 Fluorene	166	8.131	8.131	(1.089)	494097	50.0000	51.01
92 Diethylphthalate	149	8.100	8.100	(1.085)	487067	50.0000	51.96
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	209308	50.0000	51.97
94 4-Nitroaniline	138	8.214	8.214	(1.100)	135397	50.0000	51.31
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	76137	50.0000	46.58
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	409666	58.6000	58.41
100 Azobenzene	77	8.348	8.348	(0.888)	459960	50.0000	50.55
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	115283	50.0000	51.04
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	124963	50.0000	49.54
110 Pentachlorophenol	266	9.240	9.240	(0.982)	67882	50.0000	45.48
114 Phenanthrene	178	9.437	9.437	(1.003)	718164	50.0000	49.24
115 Anthracene	178	9.499	9.499	(1.010)	728681	50.0000	50.01
118 Carbazole	167	9.768	9.768	(1.039)	660885	50.0000	49.65
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	799142	50.0000	49.90
126 Fluoranthene	202	11.302	11.302	(1.202)	639252	50.0000	48.92
127 Benzidine	184	11.571	11.571	(0.840)	450332	50.0000	50.98
128 Pyrene	202	11.665	11.665	(0.847)	701084	50.0000	51.46
134 3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	385489	50.0000	49.44
136 Butylbenzylphthalate	149	12.991	12.991	(0.943)	340978	50.0000	49.94
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	569271	50.0000	49.03
139 Chrysene	228	13.831	13.831	(1.004)	597685	50.0000	50.33
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	217413	50.0000	49.65
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	464144	50.0000	49.35
142 Di-n-octylphthalate	149	15.167	15.167	(1.101)	732406	50.0000	48.72
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	527487	50.0000	55.18
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	580084	50.0000	47.27
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	506622	50.0000	50.82
148 Benzo(a)pyrene	252	16.079	16.079	(0.995)	542578	50.0000	50.06
151 Indeno(1,2,3-cd)pyrene	276	17.800	17.800	(1.101)	447085	50.0000	51.00(M)
152 Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	486893	50.0000	49.72
153 Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	527720	50.0000	49.77

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1107571	50.0000	50.74 (A)

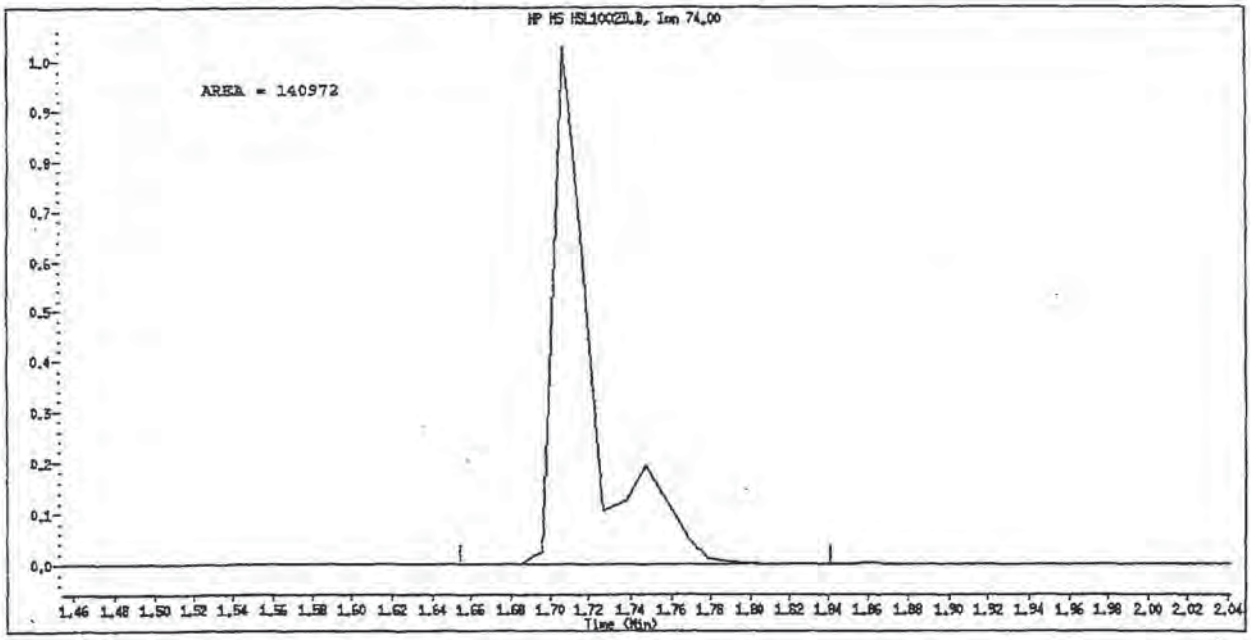
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File Name: HSL1002D.D
Inj. Date and Time: 02-OCT-2010 13:44
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 10/03/2010



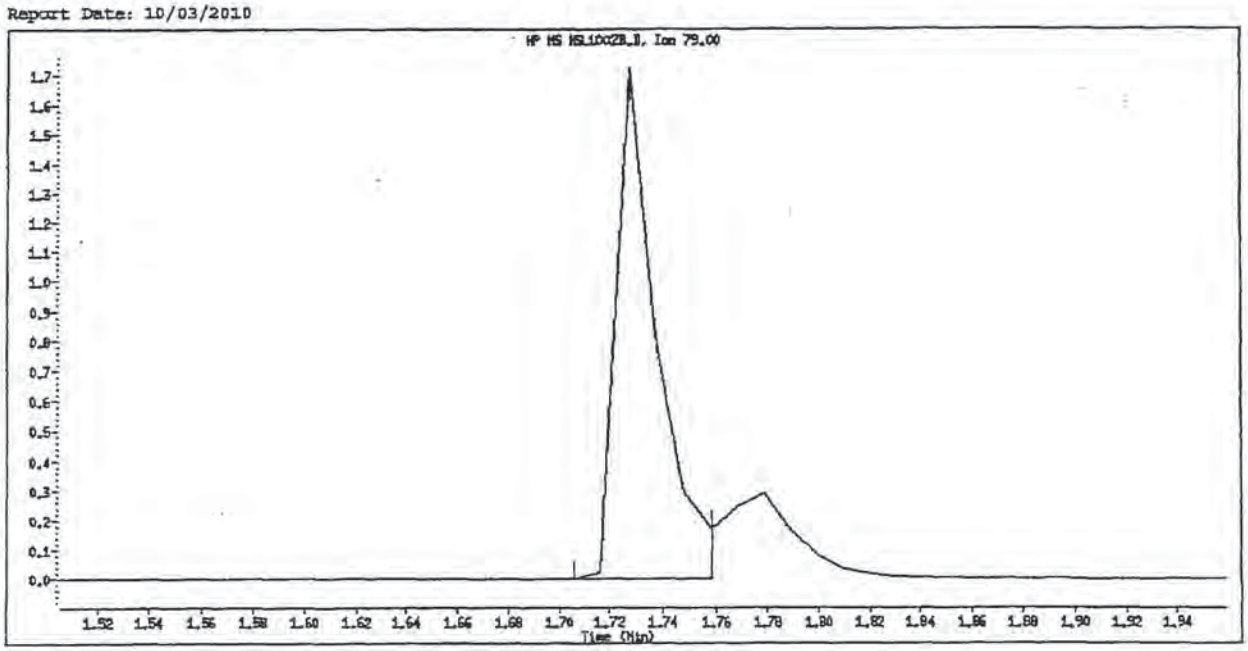
Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1002D.D
Inj. Date and Time: 02-OCT-2010 13:44
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 10/03/2010



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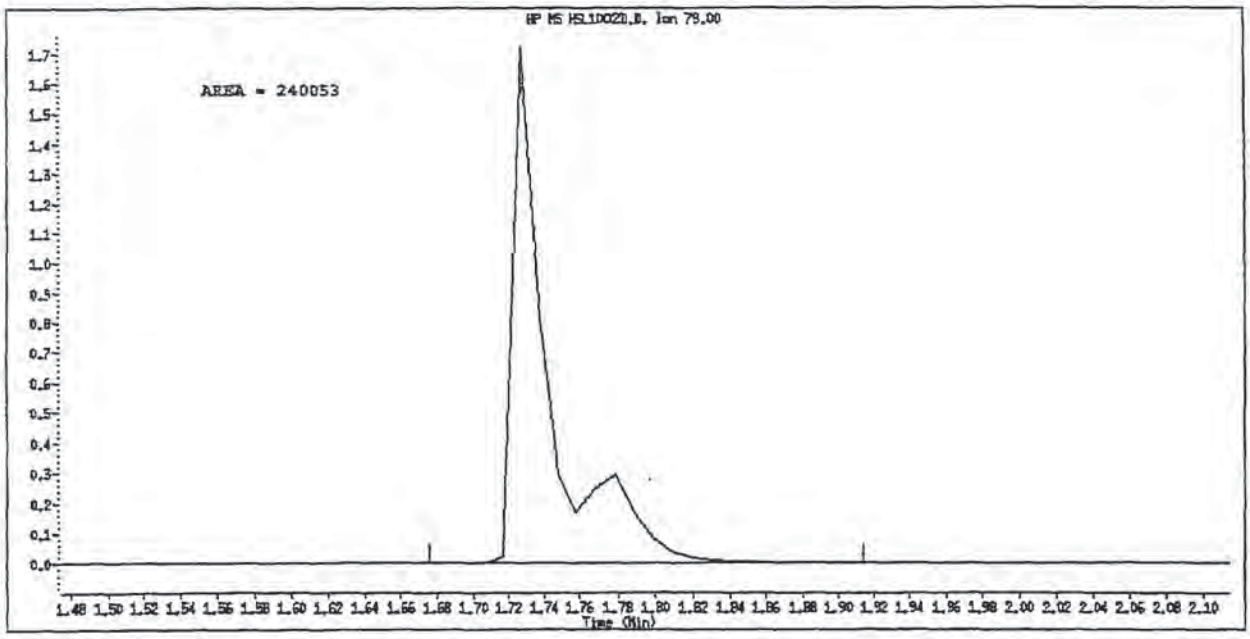

Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

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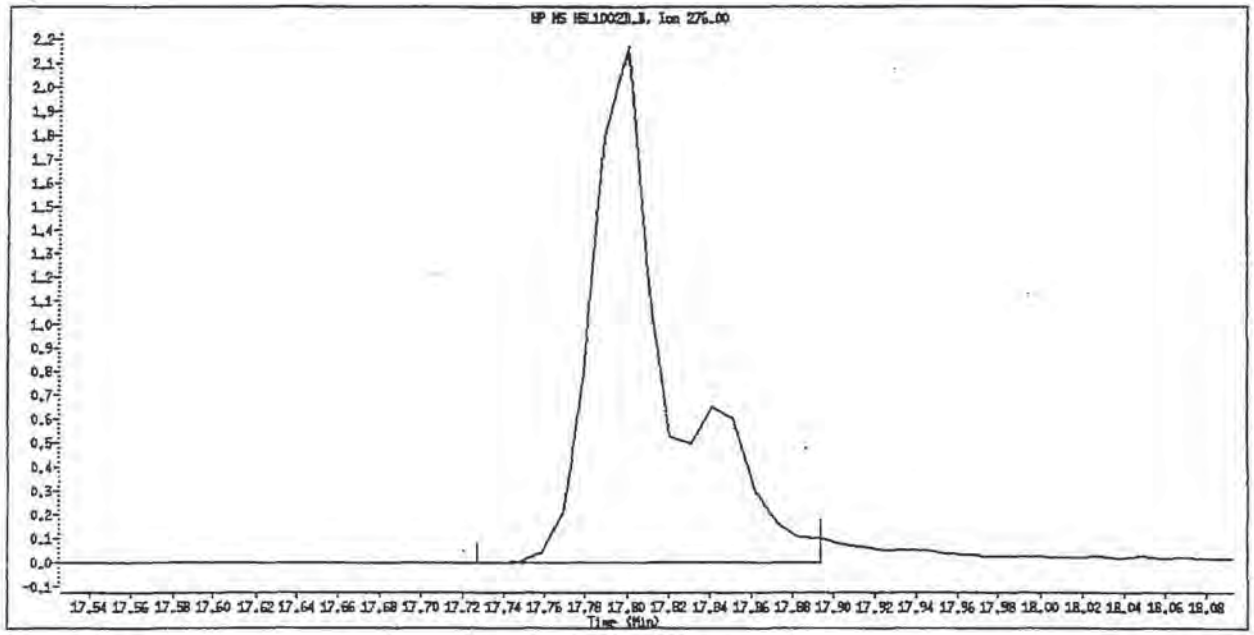
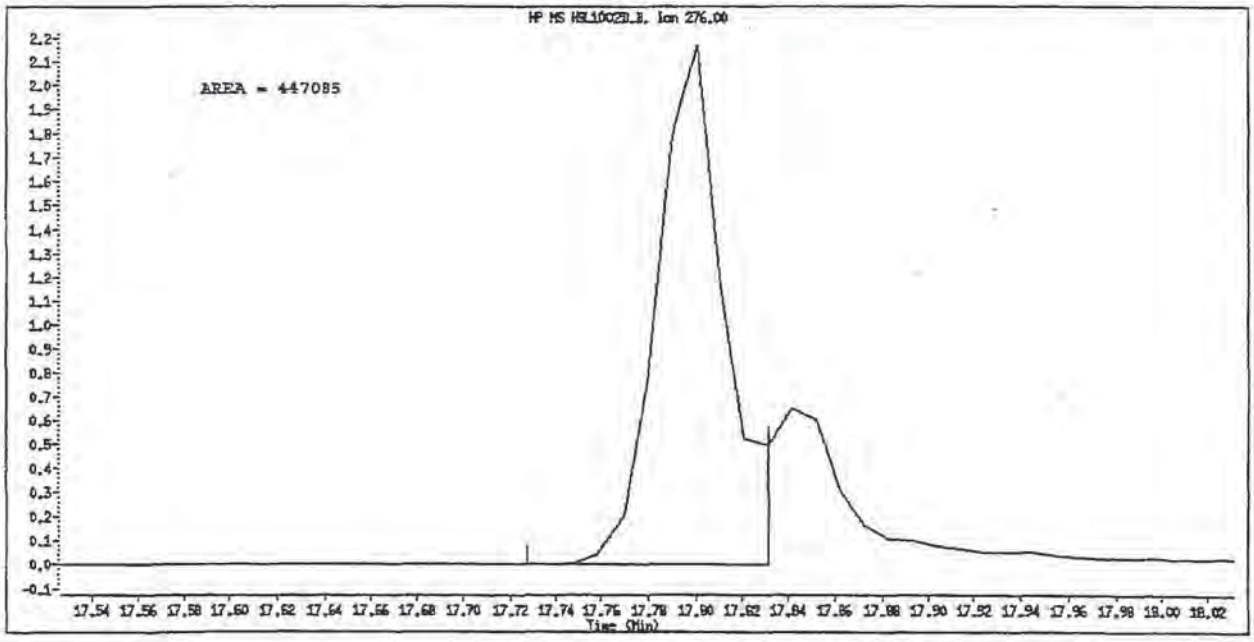
Inj. Date and Time: 02-OCT-2010 13:44
Instrument ID: svS.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002D.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 13:44
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml CS-4;1;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	122625	40.0000	
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	530514	40.0000	
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	282538	40.0000	
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	462722	40.0000	
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	435850	40.0000	
* 6	Perylene-d12	264	16.162	16.162	(1.000)	422284	40.0000	
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	220986	50.0000	48.83
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	274382	50.0000	47.67
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	244352	50.0000	49.80
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	151616	50.0000	49.50
$ 11	Nitrobenzene-d5	82	4.576	4.576	(0.852)	226162	50.0000	48.07
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	473978	50.0000	52.38
$ 13	2,4,6-Tribromophenol	330	8.473	8.473	(1.135)	83311	50.0000	56.75
$ 14	Terphenyl-d14	244	12.017	12.017	(0.872)	438253	50.0000	51.56
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	105836	50.0000	35.43
16	Pyridine	79	1.726	1.726	(0.437)	182664	50.0000	36.70
23	Aniline	93	3.654	3.654	(0.924)	346504	50.0000	48.01
24	Phenol	94	3.623	3.623	(0.916)	311820	50.0000	50.94
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	220455	50.0000	47.40
27	2-Chlorophenol	128	3.768	3.768	(0.953)	242442	50.0000	50.05
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	265384	50.0000	49.58
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	271151	50.0000	50.11
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	160914	50.0000	48.35
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	257605	50.0000	50.23
32	2-Methylphenol	108	4.255	4.255	(1.076)	218610	50.0000	48.31
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	349371	50.0000	40.48
34	4-Methylphenol	108	4.421	4.421	(1.118)	233354	50.0000	48.39
36	Hexachloroethane	117	4.504	4.504	(1.139)	94106	50.0000	49.29
37	N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	156914	50.0000	46.48
42	Nitrobenzene	77	4.597	4.597	(0.855)	219387	50.0000	46.91
44	Isophorone	82	4.856	4.856	(0.904)	420061	50.0000	47.38
45	2-Nitrophenol	139	4.960	4.960	(0.923)	132771	50.0000	52.00
46	2,4-Dimethyphenol	107	5.012	5.012	(0.933)	231517	50.0000	48.84

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	253648	50.0000	48.05
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	179296	50.0000	51.39
50	Benzoic Acid	122	5.115	5.115	(0.952)	128366	50.0000	48.58
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	197265	50.0000	52.15
52	Naphthalene	128	5.395	5.395	(1.004)	724980	50.0000	49.10
54	4-Chloroaniline	127	5.488	5.488	(1.021)	291184	50.0000	50.12
57	Hexachlorobutadiene	225	5.613	5.613	(1.044)	95592	50.0000	53.11
60	4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	205388	50.0000	51.16
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	464646	50.0000	51.57
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	104908	50.0000	48.68
69	2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	113001	50.0000	52.83
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	128196	50.0000	54.56
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	403257	50.0000	50.91
73	2-Nitroaniline	65	6.949	6.949	(0.931)	124335	50.0000	46.87
76	Dimethylphthalate	163	7.229	7.229	(0.968)	475258	50.0000	51.95
77	Acenaphthylene	152	7.281	7.281	(0.975)	712158	50.0000	51.43
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	110261	50.0000	53.82
80	3-Nitroaniline	138	7.447	7.447	(0.997)	141396	50.0000	52.05
81	Acenaphthene	153	7.509	7.509	(1.006)	448691	50.0000	50.85
82	2,4-Dinitrophenol	184	7.571	7.571	(1.014)	58864	50.0000	48.70
83	Dibenzofuran	168	7.706	7.706	(1.032)	598735	50.0000	51.36
84	4-Nitrophenol	109	7.675	7.675	(1.028)	56777	50.0000	47.87
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	148875	50.0000	54.24
91	Fluorene	166	8.131	8.131	(1.089)	494097	50.0000	51.73
92	Diethylphthalate	149	8.100	8.100	(1.085)	487067	50.0000	50.93
93	4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	209308	50.0000	53.15
94	4-Nitroaniline	138	8.214	8.214	(1.100)	135397	50.0000	50.99
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	76137	50.0000	46.45
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	409666	58.6000	56.82
100	Azobenzene	77	8.348	8.348	(0.888)	459960	50.0000	45.85
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	115283	50.0000	51.56
108	Hexachlorobenzene	284	8.981	8.981	(0.955)	124963	50.0000	51.74
110	Pentachlorophenol	266	9.240	9.240	(0.982)	67882	50.0000	46.83
114	Phenanthrene	178	9.437	9.437	(1.003)	718164	50.0000	49.76
115	Anthracene	178	9.499	9.499	(1.010)	728681	50.0000	50.17
118	Carbazole	167	9.768	9.768	(1.039)	660885	50.0000	48.92
120	Di-n-Butylphthalate	149	10.463	10.463	(1.112)	799142	50.0000	48.91
126	Fluoranthene	202	11.302	11.302	(1.202)	639252	50.0000	49.21
127	Benzidine	184	11.571	11.571	(0.840)	450332	50.0000	50.32
128	Pyrene	202	11.665	11.665	(0.847)	701084	50.0000	51.44
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	385489	50.0000	50.19
136	Butylbenzylphthalate	149	12.991	12.991	(0.943)	340978	50.0000	48.97
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	569271	50.0000	49.51
139	Chrysene	228	13.831	13.831	(1.004)	597685	50.0000	50.03
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	217413	50.0000	51.67
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.024)	464144	50.0000	48.41
142	Di-n-octylphthalate	149	15.167	15.167	(1.101)	732406	50.0000	47.78
144	Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	527487	50.0000	52.68
145	Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	580084	50.0000	49.57
147	Benzo(e)pyrene	252	16.007	16.007	(0.990)	506622	50.0000	51.04
148	Benzo(a)pyrene	252	16.079	16.079	(0.995)	542578	50.0000	49.78
151	Indeno(1,2,3-cd)pyrene	276	17.800	17.800	(1.101)	564014	50.0000	58.49
152	Dibenzo(a,h)anthracene	278	17.841	17.841	(1.104)	486893	50.0000	49.27
153	Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	527720	50.0000	49.81

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1107571	50.0000	51.00 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\sv5\c\chem\sv5.i\100210.B\HSL1002D.D Page 1
Report Date: 03-Oct-2010 11:14

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002D.D
Lab Smp Id: HSL_050 ug/ml CS-4
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	122625	0.00
2 Naphthalene-d8	530514	265257	1061028	530514	0.00
3 Acenaphthene-d10	282538	141269	565076	282538	0.00
4 Phenanthrene-d10	462722	231361	925444	462722	0.00
5 Chrysene-d12	435850	217925	871700	435850	0.00
6 Perylene-d12	422284	211142	844568	422284	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

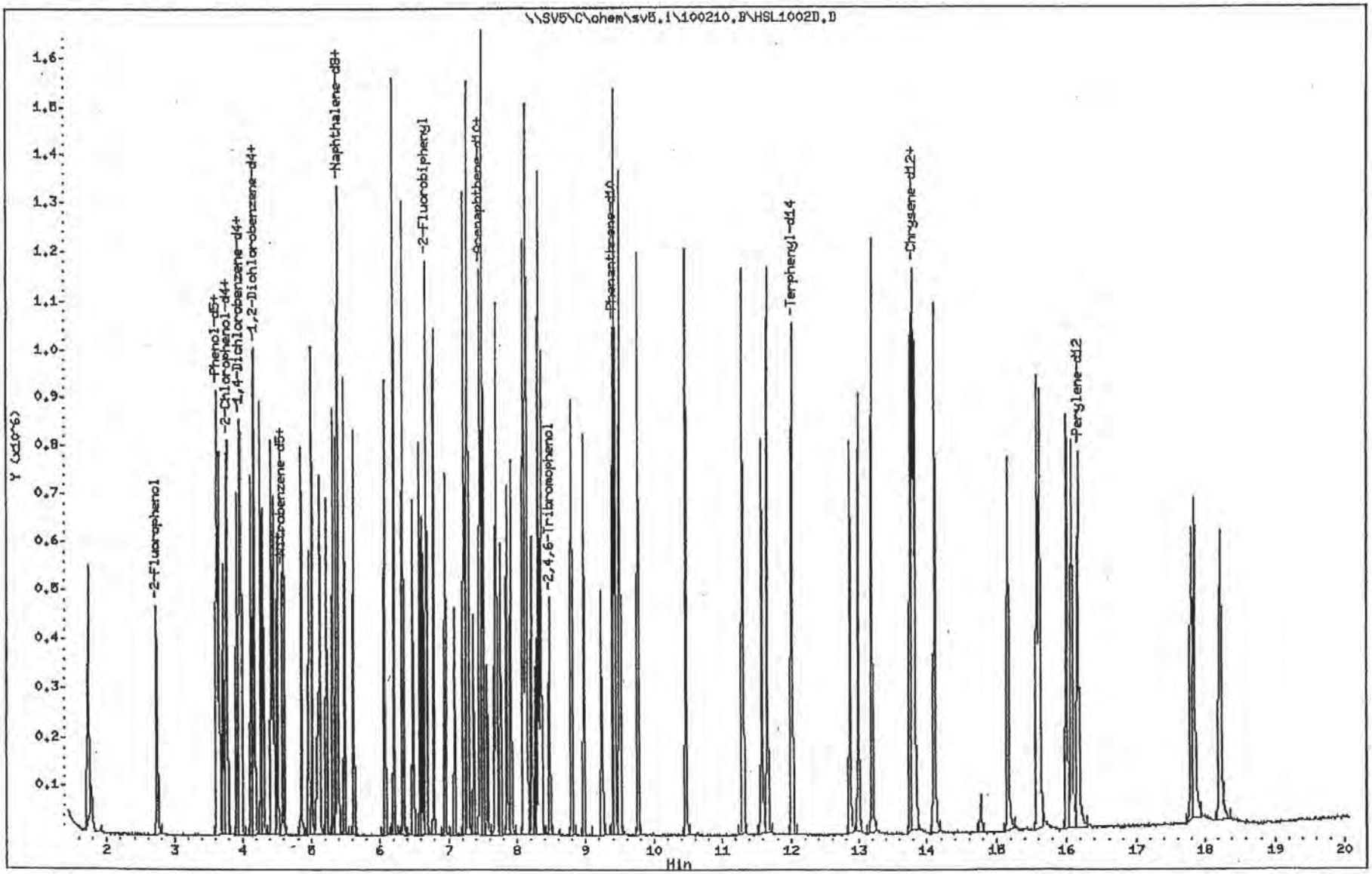
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\100210.B\HSL1002D.D
Date : 02-OCT-2010 13:44
Client ID: 8270F,H
Sample Info: HSL_050 ug/ml CS-4;1;;;4;;;;;4

Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002E.D
Lab Smp Id: HSL 080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 14:09
Operator : KT Inst ID: sv5.i
Smp Info : HSL 080 ug/ml CS-5;1;;5;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	3.954	3.955	(1.000)	126989	40.0000	(q)
* 2 Naphthalene-d8	136	5.374	5.374	(1.000)	553454	40.0000	
* 3 Acenaphthene-d10	164	7.468	7.468	(1.000)	300315	40.0000	
* 4 Phenanthrene-d10	188	9.405	9.405	(1.000)	477777	40.0000	
* 5 Chrysene-d12	240	13.789	13.779	(1.000)	485126	40.0000	
* 6 Perylene-d12	264	16.162	16.162	(1.000)	482782	40.0000	
$ 7 2-Fluorophenol	112	2.742	2.732	(0.693)	364547	80.0000	81.44
$ 8 Phenol-d5	99	3.612	3.613	(0.914)	459352	80.0000	81.61
$ 9 2-Chlorophenol-d4	132	3.758	3.758	(0.950)	399981	80.0000	80.92
$ 10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	252754	80.0000	80.82
$ 11 Nitrobenzene-d5	82	4.587	4.576	(0.853)	371989	80.0000	79.35
$ 12 2-Fluorobiphenyl	172	6.680	6.680	(0.895)	755916	80.0000	78.14
$ 13 2,4,6-Tribromophenol	330	8.483	8.473	(1.136)	107063	80.0000	82.04
$ 14 Terphenyl-d14	244	12.017	12.017	(0.871)	758812	80.0000	79.25
15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	236570	80.0000	80.86(q)
16 Pyridine	79	1.726	1.726	(0.437)	386806	80.0000	79.06(Q)
23 Aniline	93	3.654	3.654	(0.924)	583513	80.0000	81.44(Q)
24 Phenol	94	3.623	3.623	(0.916)	524930	80.0000	81.16(Q)
26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	362044	80.0000	79.83
27 2-Chlorophenol	128	3.768	3.768	(0.953)	398210	80.0000	80.21
28 1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	428311	80.0000	79.20
29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	452588	80.0000	80.04
30 Benzyl Alcohol	108	4.120	4.120	(1.042)	273768	80.0000	82.05
31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	415025	80.0000	79.84
32 2-Methylphenol	108	4.255	4.255	(1.076)	369704	80.0000	81.43
33 2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	576575	80.0000	79.88
34 4-Methylphenol	108	4.421	4.421	(1.118)	387704	80.0000	80.39
36 Hexachloroethane	117	4.504	4.504	(1.139)	153472	80.0000	79.72
37 N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	265916	80.0000	82.78
42 Nitrobenzene	77	4.597	4.597	(0.855)	369479	80.0000	80.64
44 Isophorone	82	4.856	4.856	(0.904)	704520	80.0000	79.96
45 2-Nitrophenol	139	4.960	4.960	(0.923)	221628	80.0000	81.52
46 2,4-Dimethylphenol	107	5.011	5.012	(0.933)	385073	80.0000	79.72

10-3-10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.954)	426158	80.0000	79.16
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	301897	80.0000	80.78
50	Benzoic Acid	122	5.125	5.115	(0.954)	232711	80.0000	87.04
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	323096	80.0000	79.84
52	Naphthalene	128	5.395	5.395	(1.004)	1216155	80.0000	79.58
54	4-Chloroaniline	127	5.488	5.488	(1.021)	484619	80.0000	80.91
57	Hexachlorobutadiene	225	5.613	5.613	(1.044)	159233	80.0000	80.41
60	4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	335335	80.0000	80.35
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	781029	80.0000	81.36
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	181608	80.0000	81.05
69	2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	194036	80.0000	80.98
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	211635	80.0000	81.99
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	668023	80.0000	79.04
73	2-Nitroaniline	65	6.949	6.949	(0.931)	209144	80.0000	81.65
76	Dimethylphthalate	163	7.229	7.229	(0.968)	787815	80.0000	80.96
77	Acenaphthylene	152	7.281	7.281	(0.975)	1190475	80.0000	80.88
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	187961	80.0000	82.91
80	3-Nitroaniline	138	7.457	7.447	(0.999)	232287	80.0000	82.09
81	Acenaphthene	153	7.509	7.509	(1.006)	727612	80.0000	77.66
82	2,4-Dinitrophenol	184	7.571	7.572	(1.014)	110384	80.0000	78.64
83	Dibenzofuran	168	7.706	7.706	(1.032)	991740	80.0000	79.76(q)
84	4-Nitrophenol	109	7.675	7.675	(1.028)	102888	80.0000	87.65(Q)
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	246471	80.0000	82.83
91	Fluorene	166	8.131	8.131	(1.089)	834271	80.0000	81.03
92	Diethylphthalate	149	8.100	8.100	(1.085)	792071	80.0000	79.50
93	4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	340608	80.0000	79.56
94	4-Nitroaniline	138	8.224	8.214	(1.101)	235541	80.0000	83.97
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	134784	80.0000	76.76
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	695826	93.7000	96.08
100	Azobenzene	77	8.348	8.348	(0.888)	765053	80.0000	81.43
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	187352	80.0000	80.33
108	Hexachlorobenzene	284	8.981	8.981	(0.955)	207655	80.0000	79.72
110	Pentachlorophenol	266	9.240	9.240	(0.982)	126397	80.0000	78.86
114	Phenanthrene	178	9.437	9.437	(1.003)	1188468	80.0000	78.92
115	Anthracene	178	9.509	9.499	(1.011)	1218608	80.0000	81.00
118	Carbazole	167	9.768	9.768	(1.039)	1118637	80.0000	81.39
120	Di-n-Butylphthalate	149	10.462	10.463	(1.112)	1351860	80.0000	81.75
126	Fluoranthene	202	11.302	11.302	(1.202)	1107116	80.0000	82.05
127	Benzidine	184	11.571	11.571	(0.839)	799205	80.0000	81.12
128	Pyrene	202	11.665	11.665	(0.846)	1221015	80.0000	80.36
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.933)	715866	80.0000	82.31
136	Butylbenzylphthalate	149	12.991	12.991	(0.942)	598812	80.0000	78.63
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1034950	80.0000	79.92
139	Chrysene	228	13.830	13.831	(1.003)	1040163	80.0000	78.52
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	392335	80.0000	80.33
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	820296	80.0000	78.20
142	Di-n-octylphthalate	149	15.167	15.167	(1.100)	1354893	80.0000	80.80
144	Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	920884	80.0000	84.26(Q)
145	Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	1102899	80.0000	78.61(q)
147	Benzo(e)pyrene	252	16.007	16.007	(0.990)	936566	80.0000	82.18
148	Benzo(a)pyrene	252	16.079	16.079	(0.995)	1039045	80.0000	83.86
151	Indeno(1,2,3-cd)pyrene	276	17.799	17.800	(1.101)	811625	80.0000	80.99
152	Dibenzo(a,h)anthracene	278	17.851	17.841	(1.105)	926841	80.0000	82.79
153	Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	982275	80.0000	81.04

Compounds	QUANT SIG MASS	RT	EXP RT	RRL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				2023783	80.0000	81.09 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002E.D
Lab Smp Id: HSL_080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 14:09
Operator : KT Inst ID: sv5.i
Smp Info : HSL_080 ug/ml CS-5;1;;5;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	3.954	3.955	(1.000)	126989	40.0000		(q)
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	553454	40.0000		
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	300315	40.0000		
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	477777	40.0000		
* 5	Chrysene-d12	240	13.789	13.779	(1.000)	486126	40.0000		
* 6	Perylene-d12	264	16.162	16.162	(1.000)	482782	40.0000		
$ 7	2-Fluorophenol	112	2.742	2.732	(0.693)	364547	80.0000	77.78	
$ 8	Phenol-d5	99	3.612	3.613	(0.914)	459352	80.0000	77.07	
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	399981	80.0000	78.72	
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	252754	80.0000	79.68	
$ 11	Nitrobenzene-d5	82	4.587	4.576	(0.853)	371989	80.0000	75.79	
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	755916	80.0000	78.58	
$ 13	2,4,6-Tribromophenol	330	8.483	8.473	(1.136)	107063	80.0000	90.29	
$ 14	Terphenyl-d14	244	12.017	12.017	(0.871)	758812	80.0000	80.04	
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	236570	80.0000	76.48	
16	Pyridine	79	1.726	1.726	(0.437)	386806	80.0000	75.04	
23	Aniline	93	3.654	3.654	(0.924)	583513	80.0000	78.07	(Q)
24	Phenol	94	3.623	3.623	(0.916)	524930	80.0000	82.81	(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	362044	80.0000	75.18	
27	2-Chlorophenol	128	3.768	3.768	(0.953)	398210	80.0000	79.39	
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	428311	80.0000	77.27	
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	452588	80.0000	80.76	
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	273768	80.0000	79.43	
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	415025	80.0000	78.14	
32	2-Methylphenol	108	4.255	4.255	(1.076)	369704	80.0000	78.90	
33	2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	576575	80.0000	64.50	
34	4-Methylphenol	108	4.421	4.421	(1.118)	387704	80.0000	77.63	
35	Hexachloroethane	117	4.504	4.504	(1.139)	153472	80.0000	77.62	
37	N-Nitrosodipropylamine	70	4.442	4.442	(1.123)	265916	80.0000	76.06	
42	Nitrobenzene	77	4.597	4.597	(0.855)	369479	80.0000	75.74	
44	Isophorone	82	4.856	4.856	(0.904)	704520	80.0000	76.17	
45	2-Nitrophenol	139	4.960	4.960	(0.923)	221628	80.0000	83.21	
46	2,4-Dimethylphenol	107	5.011	5.012	(0.933)	385073	80.0000	77.86	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
47	Bis(2-chloroethoxy)methane	93	5.125	5.126	(0.954)	426158	80.0000	77.39	
49	2,4-Dichlorophenol	162	5.229	5.229	(0.973)	301897	80.0000	82.94	
50	Benzoic Acid	122	5.125	5.115	(0.954)	232711	80.0000	84.41	
51	1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	323096	80.0000	81.88	
52	Naphthalene	128	5.395	5.395	(1.004)	1216155	80.0000	78.94	
54	4-Chloroaniline	127	5.488	5.488	(1.021)	484619	80.0000	79.97	
57	Hexachlorobutadiene	225	5.613	5.613	(1.044)	159233	80.0000	84.81	
60	4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	335335	80.0000	80.06	
63	2-Methylnaphthalene	142	6.203	6.203	(1.154)	781029	80.0000	83.09	
66	Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	181608	80.0000	79.29	
69	2,4,6-Trichlorophenol	196	6.576	6.576	(0.881)	194036	80.0000	85.34	
70	2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	211635	80.0000	84.74	
71	2-Chloronaphthalene	162	6.784	6.784	(0.908)	668023	80.0000	79.34	
73	2-Nitroaniline	65	6.949	6.949	(0.931)	209144	80.0000	74.17	
76	Dimethylphthalate	163	7.229	7.229	(0.968)	787815	80.0000	81.01	
77	Acenaphthylene	152	7.281	7.281	(0.975)	1190475	80.0000	80.88	
79	2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	187961	80.0000	86.31	
80	3-Nitroaniline	138	7.457	7.447	(0.999)	232287	80.0000	80.44	
81	Acenaphthene	153	7.509	7.509	(1.006)	727612	80.0000	77.58	
82	2,4-Dinitrophenol	184	7.571	7.571	(1.014)	110384	80.0000	81.10	
83	Dibenzofuran	168	7.706	7.706	(1.032)	991740	80.0000	80.04	(q)
84	4-Nitrophenol	109	7.675	7.675	(1.028)	102888	80.0000	81.61	(Q)
86	2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	246471	80.0000	84.49	
91	Fluorene	166	8.131	8.131	(1.089)	834271	80.0000	82.18	
92	Diethylphthalate	149	8.100	8.100	(1.085)	792071	80.0000	77.92	
93	4-Chlorophenyl-phenylether	204	8.151	8.152	(1.092)	340608	80.0000	81.38	
94	4-Nitroaniline	138	8.224	8.214	(1.101)	235541	80.0000	83.65	
97	4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	134784	80.0000	75.96	
98	N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	695826	93.7000	93.46	
100	Azobenzene	77	8.348	8.348	(0.888)	765053	80.0000	73.86	
101	4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	187352	80.0000	81.15	
108	Hexachlorobenzene	284	8.981	8.981	(0.955)	207655	80.0000	83.28	
110	Pentachlorophenol	266	9.240	9.240	(0.982)	126397	80.0000	84.45	
114	Phenanthrene	178	9.437	9.437	(1.003)	1188468	80.0000	79.75	
115	Anthracene	178	9.509	9.499	(1.011)	1218608	80.0000	81.25	
118	Carbazole	167	9.768	9.768	(1.039)	1118637	80.0000	80.19	
120	Di-n-Butylphthalate	149	10.462	10.463	(1.112)	1351860	80.0000	80.14	
126	Fluoranthene	202	11.302	11.302	(1.202)	1107116	80.0000	82.54	
127	Benzidine	184	11.571	11.571	(0.839)	799205	80.0000	80.06	
128	Pyrene	202	11.665	11.665	(0.846)	1221015	80.0000	80.33	
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.933)	715866	80.0000	83.56	
136	Butylbenzylphthalate	149	12.991	12.991	(0.942)	598812	80.0000	77.10	
138	Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1034950	80.0000	80.70	
139	Chrysene	228	13.830	13.831	(1.003)	1040163	80.0000	78.06	
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	392335	80.0000	83.60	
141	bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	820296	80.0000	76.71	
142	Di-n-octylphthalate	149	15.167	15.167	(1.100)	1354893	80.0000	79.24	
144	Benzo(b)fluoranthene	252	15.582	15.582	(0.964)	920884	80.0000	80.44	(Q)
145	Benzo(k)fluoranthene	252	15.623	15.623	(0.967)	1102899	80.0000	82.44	(q)
147	Benzo(e)pyrene	252	16.007	16.007	(0.990)	936566	80.0000	82.53	
148	Benzo(a)pyrene	252	16.079	16.079	(0.995)	1039045	80.0000	83.39	
151	Indeno(1,2,3-cd)pyrene	276	17.799	17.800	(1.101)	811625	80.0000	73.62	
152	Dibenzo(a,h)anthracene	278	17.851	17.841	(1.105)	926841	80.0000	82.04	
153	Benzo(g,h,i)perylene	276	18.235	18.235	(1.128)	982275	80.0000	81.10	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				2023783	80.0000	81.52 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002E.D
Lab Smp Id: HSL_080 ug/ml CS-5
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	126989	3.56
2 Naphthalene-d8	530514	265257	1061028	553454	4.32
3 Acenaphthene-d10	282538	141269	565076	300315	6.29
4 Phenanthrene-d10	462722	231361	925444	477777	3.25
5 Chrysene-d12	435850	217925	871700	486126	11.54
6 Perylene-d12	422284	211142	844568	482782	14.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.95	-0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	-0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	-0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	-0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.07
6 Perylene-d12	16.16	15.66	16.66	16.16	-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: \\SV5\C\chem\sv5.i\100210.B\HSL1002E.D

Date : 02-OCT-2010 14:09

Client ID: 8270F.H

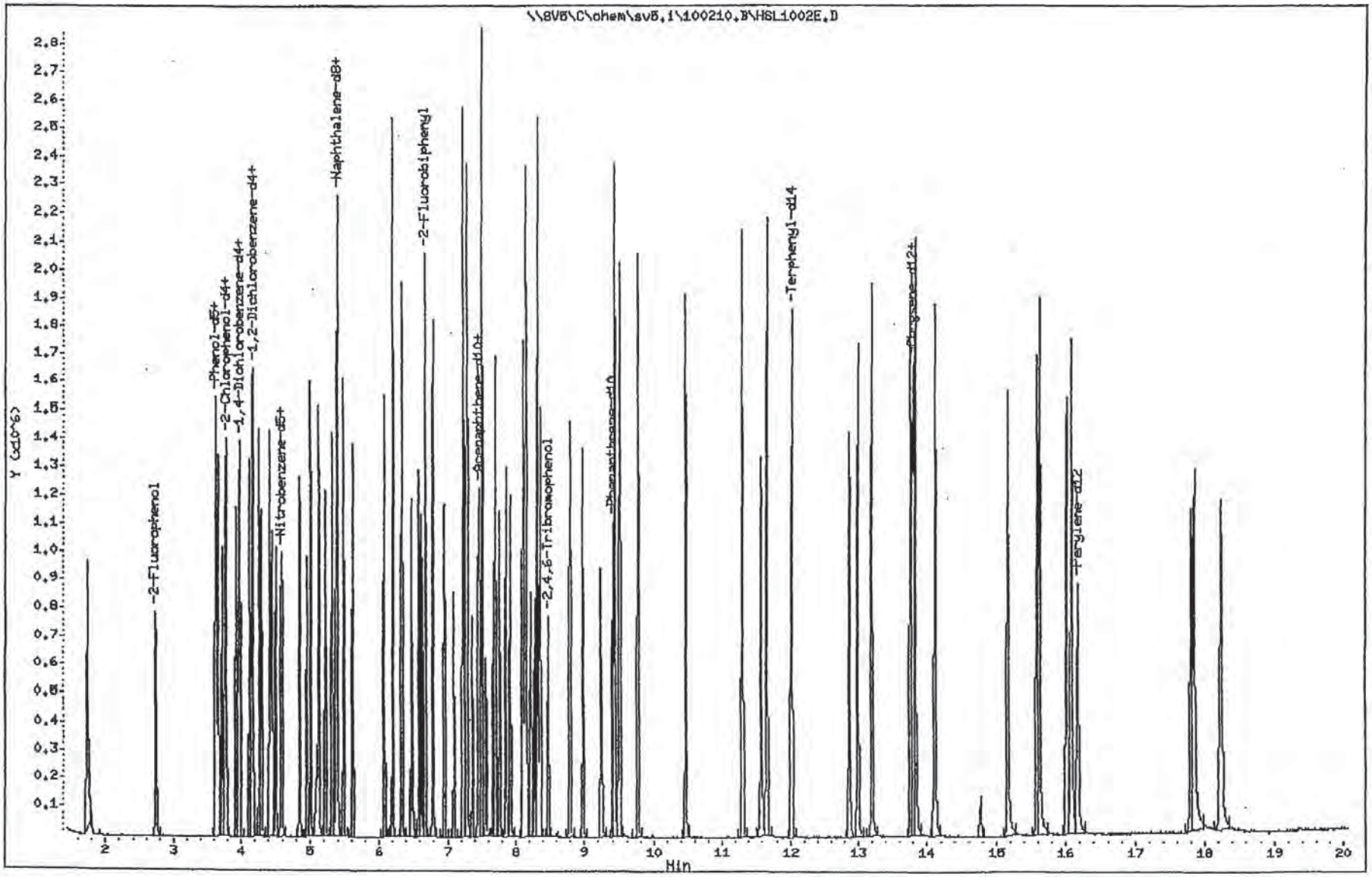
Sample Info: HSL_080 ug/ml CS-5;1;;5;;;;;4

Column phase:

Instrument: sv5.i

Operator: KT

Column diameter: 2.00



Test America West Sacramento (916) 373 - 5600

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Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002F.D
Lab Smp Id: HSL_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 14:35
Operator : KT Inst ID: sv5.i
Smp Info : HSL_120 ug/ml CS-6;1;;6;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	137751	40.0000		(Q)
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	591665	40.0000		
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	322596	40.0000		
* 4	Phenanthrene-d10	188	9.406	9.405	(1.000)	515607	40.0000		
* 5	Chrysene-d12	240	13.789	13.779	(1.000)	509570	40.0000		
* 6	Perylene-d12	264	16.173	16.162	(1.000)	539588	40.0000		
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	588028	120.000	121.1	
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	759824	120.000	124.4	
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	652805	120.000	121.7	
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	407247	120.000	120.0	
$ 11	Nitrobenzene-d5	82	4.587	4.576	(0.853)	623501	120.000	124.4	
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	1255441	120.000	120.8	
$ 13	2,4,6-Tribromophenol	330	8.483	8.473	(1.136)	179055	120.000	127.7	
$ 14	Terphenyl-d14	244	12.017	12.017	(0.871)	1251844	120.000	124.7	
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	388111	120.000	122.3	(q)
16	Pyridine	79	1.727	1.726	(0.437)	633334	120.000	119.3	(Q)
23	Aniline	93	3.654	3.654	(0.924)	964533	120.000	124.1	(Q)
24	Phenol	94	3.623	3.623	(0.916)	851671	120.000	121.4	(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	596323	120.000	121.2	
27	2-Chlorophenol	128	3.768	3.768	(0.953)	653244	120.000	121.3	
28	1,3-Dichlorobenzene	146	3.924	3.923	(0.992)	712032	120.000	121.4	
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	740915	120.000	120.8	
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	450249	120.000	124.4	
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	679448	120.000	120.5	
32	2-Methylphenol	108	4.255	4.255	(1.076)	603987	120.000	122.6	
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	941514	120.000	120.2	
34	4-Methylphenol	108	4.421	4.421	(1.118)	644202	120.000	123.1	
36	Hexachloroethane	117	4.504	4.504	(1.139)	245394	120.000	117.5	
37	N-Nitrosodipropylamine	70	4.452	4.442	(1.126)	428242	120.000	122.9	
42	Nitrobenzene	77	4.607	4.597	(0.857)	593736	120.000	121.2	
44	Isophorone	82	4.867	4.856	(0.906)	1179801	120.000	125.2	
45	2-Nitrophenol	139	4.960	4.960	(0.923)	367467	120.000	126.4	
46	2,4-Dimethyphenol	107	5.012	5.012	(0.933)	638328	120.000	123.6	

10-3-10

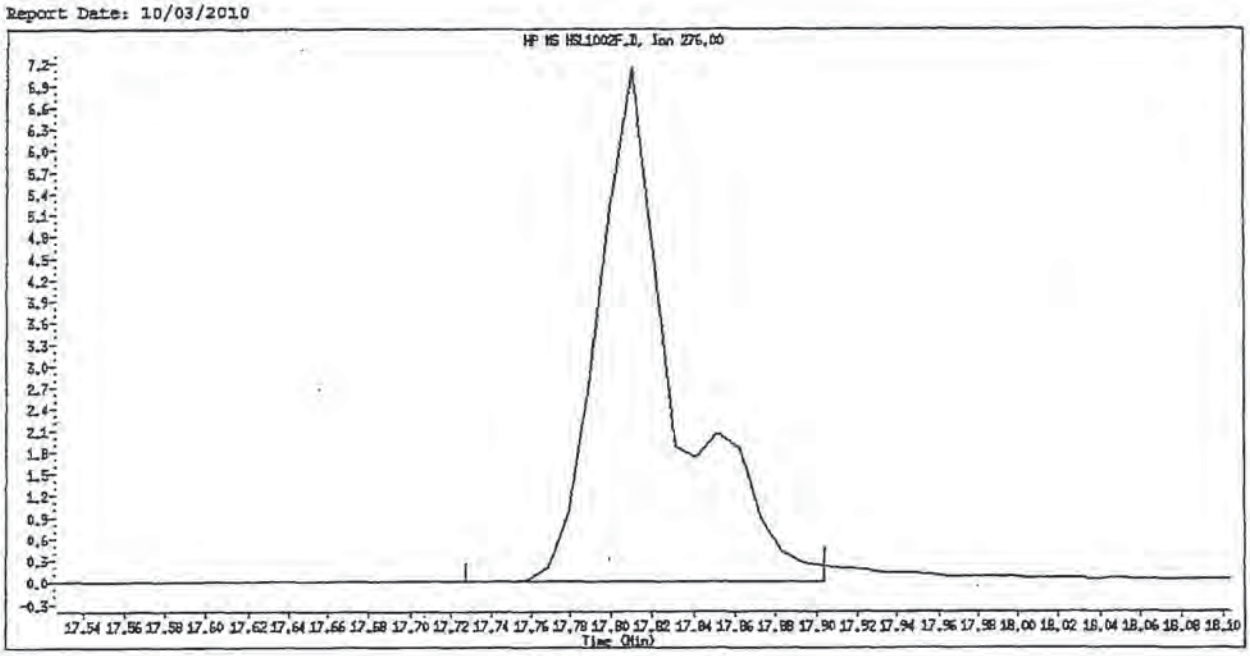
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	707504	120.000	122.9
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	500185	120.000	125.2
50 Benzoic Acid	122	5.146	5.115	(0.958)	395333	120.000	138.3
51 1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	531764	120.000	122.9
52 Naphthalene	128	5.395	5.395	(1.004)	2020315	120.000	123.7
54 4-Chloroaniline	127	5.488	5.488	(1.021)	797064	120.000	124.5
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	255231	120.000	120.6
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	563840	120.000	126.4
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	1263302	120.000	123.1
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	312226	120.000	129.7
69 2,4,6-Trichlorophenol	196	6.587	6.576	(0.882)	331223	120.000	128.7
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	343374	120.000	123.8
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	1107604	120.000	122.0
73 2-Nitroaniline	65	6.950	6.949	(0.931)	346408	120.000	125.9
76 Dimethylphthalate	163	7.229	7.229	(0.968)	1286101	120.000	123.0
77 Acenaphthylene	152	7.281	7.281	(0.975)	1933504	120.000	122.3
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	311050	120.000	127.7
80 3-Nitroaniline	138	7.457	7.447	(0.999)	382849	120.000	125.9
81 Acenaphthene	153	7.509	7.509	(1.006)	1207616	120.000	120.0
82 2,4-Dinitrophenol	184	7.582	7.572	(1.015)	199007	120.000	124.7
83 Dibenzofuran	168	7.706	7.706	(1.032)	1630260	120.000	122.0(q)
84 4-Nitrophenol	109	7.675	7.675	(1.028)	161169	120.000	127.8(Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	409418	120.000	128.1
91 Fluorene	166	8.131	8.131	(1.089)	1333949	120.000	120.6
92 Diethylphthalate	149	8.110	8.100	(1.086)	1329206	120.000	124.2
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	556370	120.000	121.4
94 4-Nitroaniline	138	8.224	8.214	(1.101)	378421	120.000	125.6
97 4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	236477	120.000	122.1
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	1123239	141.000	143.7
100 Azobenzene	77	8.359	8.348	(0.889)	1266722	120.000	124.9
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	318358	120.000	126.5
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	335728	120.000	119.4
110 Pentachlorophenol	266	9.240	9.240	(0.982)	215360	120.000	122.2
114 Phenanthrene	178	9.437	9.437	(1.003)	1942962	120.000	119.6
115 Anthracene	178	9.509	9.499	(1.011)	2014183	120.000	124.0
118 Carbazole	167	9.768	9.768	(1.039)	1828217	120.000	123.3
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	2225048	120.000	124.7
126 Fluoranthene	202	11.302	11.302	(1.202)	1829791	120.000	125.6
127 Benzidine	184	11.582	11.571	(0.840)	1320429	120.000	127.8
128 Pyrene	202	11.665	11.665	(0.846)	1963825	120.000	123.3
134 3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1214012	120.000	133.2
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	997218	120.000	124.9
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1694281	120.000	124.8
139 Chrysene	228	13.831	13.831	(1.003)	1715841	120.000	123.6
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	653016	120.000	127.5
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	1368794	120.000	124.5
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	2256624	120.000	128.4
144 Benzo(b)fluoranthene	252	15.592	15.582	(0.964)	1475217	120.000	120.8(Q)
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.966)	1935987	120.000	123.5(q)
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	1569049	120.000	123.2
148 Benzo(a)pyrene	252	16.079	16.079	(0.994)	1720343	120.000	124.2
151 Indeno(1,2,3-cd)pyrene	276	17.810	17.800	(1.101)	1517263	120.000	135.5(M)
152 Dibenzo(a,h)anthracene	278	17.851	17.841	(1.104)	1634040	120.000	130.6
153 Benzo(g,h,i)perylene	276	18.245	18.235	(1.128)	1706123	120.000	125.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				3411204	120.000	122.3 (A)

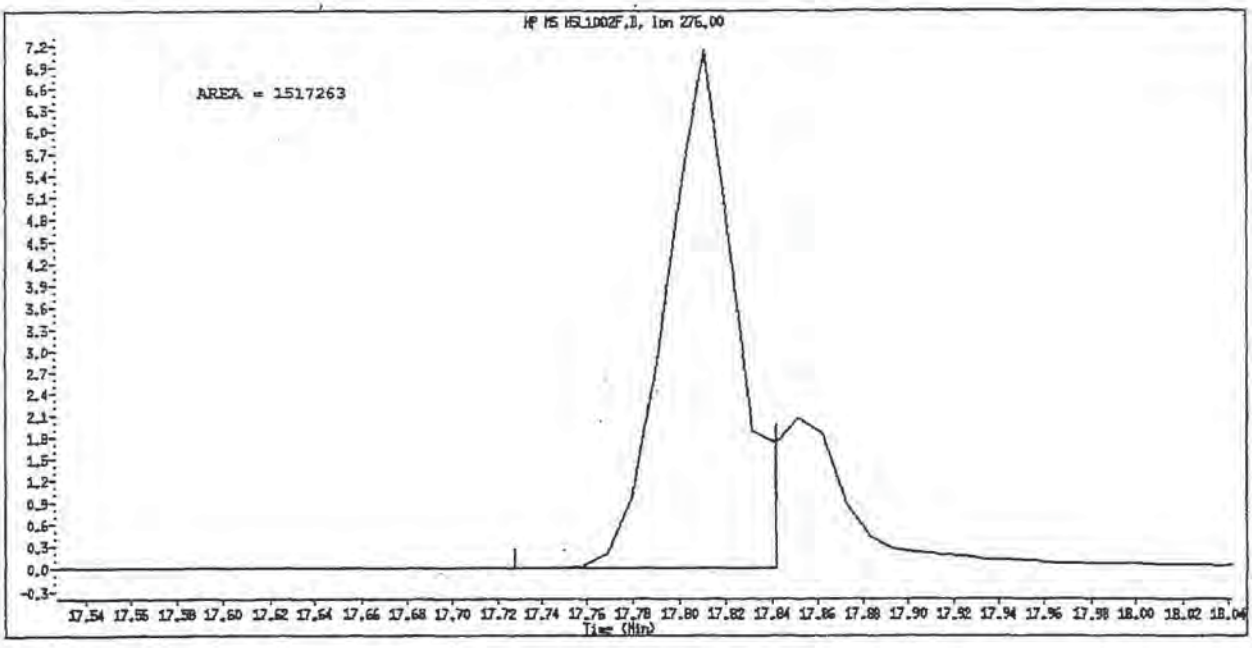
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSLI002F.D
Inj. Date and Time: 02-OCT-2010 14:35
Instrument ID: gvS.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002F.D
Lab Smp Id: HSL_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 14:35
Operator : KT Inst ID: sv5.i
Smp Info : HSL_120 ug/ml CS-6;1;;6;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	3.955	3.955	(1.000)	137751	40.0000		(Q)
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	591665	40.0000		
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	322596	40.0000		
* 4	Phenanthrene-d10	188	9.406	9.405	(1.000)	515607	40.0000		
* 5	Chrysene-d12	240	13.789	13.779	(1.000)	509570	40.0000		
* 6	Perylene-d12	264	16.173	16.162	(1.000)	539568	40.0000		
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	588028	120.000	115.7	
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	759824	120.000	117.5	
$ 9	2-Chlorophenol-d4	132	3.758	3.758	(0.950)	652805	120.000	118.4	
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	407247	120.000	118.4	
$ 11	Nitrobenzene-d5	82	4.587	4.576	(0.853)	623501	120.000	118.8	
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	1255441	120.000	121.5	
$ 13	2,4,6-Tribromophenol	330	8.483	8.473	(1.136)	179055	120.000	140.6	
$ 14	Terphenyl-d14	244	12.017	12.017	(0.871)	1251844	120.000	126.0	
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	388111	120.000	115.7	
16	Pyridine	79	1.727	1.726	(0.437)	633334	120.000	113.3	
23	Aniline	93	3.654	3.654	(0.924)	964533	120.000	119.0	(Q)
24	Phenol	94	3.623	3.623	(0.916)	851671	120.000	123.8	(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	596323	120.000	114.2	
27	2-Chlorophenol	128	3.768	3.768	(0.953)	653244	120.000	120.0	
28	1,3-Dichlorobenzene	146	3.924	3.923	(0.992)	712032	120.000	118.4	
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	740915	120.000	121.9	
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	450249	120.000	120.4	
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	679448	120.000	117.9	
32	2-Methylphenol	108	4.255	4.255	(1.076)	603987	120.000	118.8	
33	2,2'-oxybis(1-Chloropropane)	45	4.297	4.297	(1.086)	941514	120.000	97.10	
34	4-Methylphenol	108	4.421	4.421	(1.118)	644202	120.000	118.9	
36	Hexachloroethane	117	4.504	4.504	(1.139)	245394	120.000	114.4	
37	N-Nitrosodipropylamine	70	4.452	4.442	(1.126)	428242	120.000	112.9	
42	Nitrobenzene	77	4.607	4.597	(0.857)	593736	120.000	113.8	
44	Isophorone	82	4.867	4.856	(0.906)	1179801	120.000	119.3	
45	2-Nitrophenol	139	4.960	4.960	(0.923)	367467	120.000	129.0	
46	2,4-Dimethyphenol	107	5.012	5.012	(0.933)	638328	120.000	120.7	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	707504	120.000	120.2
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	500185	120.000	128.5
50 Benzoic Acid	122	5.146	5.115	(0.958)	395333	120.000	134.1
51 1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	531764	120.000	126.0
52 Naphthalene	128	5.395	5.395	(1.004)	2020315	120.000	122.7
54 4-Chloroaniline	127	5.488	5.488	(1.021)	797064	120.000	123.0
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	255231	120.000	127.2
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	563840	120.000	125.9
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	1263302	120.000	125.7
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	312226	120.000	126.9
69 2,4,6-Trichlorophenol	196	6.587	6.576	(0.882)	331223	120.000	135.6
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	343374	120.000	128.0
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	1107604	120.000	122.5
73 2-Nitroaniline	65	6.950	6.949	(0.931)	346408	120.000	114.4
76 Dimethylphthalate	163	7.229	7.229	(0.968)	1286101	120.000	123.1
77 Acenaphthylene	152	7.281	7.281	(0.975)	1933504	120.000	122.3
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	311050	120.000	133.0
80 3-Nitroaniline	138	7.457	7.447	(0.999)	382849	120.000	123.4
81 Acenaphthene	153	7.509	7.509	(1.006)	1207616	120.000	119.9
82 2,4-Dinitrophenol	184	7.582	7.571	(1.015)	199007	120.000	127.2
83 Dibenzofuran	168	7.706	7.706	(1.032)	1630240	120.000	122.5(q)
84 4-Nitrophenol	109	7.675	7.675	(1.028)	161169	120.000	119.0(Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	409418	120.000	130.6
91 Fluorene	166	8.131	8.131	(1.089)	1333949	120.000	122.3
92 Diethylphthalate	149	8.110	8.100	(1.086)	1329206	120.000	121.7
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	558370	120.000	124.2
94 4-Nitroaniline	138	8.224	8.214	(1.101)	378421	120.000	124.8
97 4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	236477	120.000	120.3
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	1123239	141.000	139.8
100 Azobenzene	77	8.359	8.348	(0.889)	1266722	120.000	113.3
101 4-Bromophenyl-phenylether	248	8.794	8.794	(0.935)	318358	120.000	127.8
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	335728	120.000	124.8
110 Pentachlorophenol	266	9.240	9.240	(0.982)	215360	120.000	133.3
114 Phenanthrene	178	9.437	9.437	(1.003)	1942962	120.000	120.8
115 Anthracene	178	9.509	9.499	(1.011)	2014183	120.000	124.4
118 Carbazole	167	9.768	9.768	(1.039)	1828217	120.000	121.4
120 Di-n-Butylphthalate	149	10.463	10.463	(1.112)	2225048	120.000	122.2
126 Fluoranthene	202	11.302	11.302	(1.202)	1829791	120.000	126.4
127 Benzidine	184	11.582	11.571	(0.840)	1320429	120.000	126.2
128 Pyrene	202	11.665	11.665	(0.846)	1963825	120.000	123.2
134 3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1214012	120.000	135.2
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	997218	120.000	122.5
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	1694281	120.000	126.0
139 Chrysene	228	13.831	13.831	(1.003)	1715841	120.000	122.8
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	653016	120.000	132.7
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	1368794	120.000	122.1
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	2256614	120.000	125.9
144 Benzo(b)fluoranthene	252	15.592	15.582	(0.964)	1475217	120.000	115.3(Q)
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.966)	1935987	120.000	129.5(q)
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	1569049	120.000	123.7
148 Benzo(a)pyrene	252	16.079	16.079	(0.994)	1720343	120.000	123.5
151 Indeno(1,2,3-cd)pyrene	276	17.810	17.800	(1.101)	1867193	120.000	151.5
152 Dibenzo(a,h)anthracene	278	17.851	17.841	(1.104)	1634060	120.000	129.4
153 Benzo(g,h,i)perylene	276	18.245	18.235	(1.128)	1706123	120.000	126.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				3411204	120.000	122.9 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

Data File: \\sv5\c\chem\sv5.i\100210.B\HSL1002F.D
Report Date: 03-Oct-2010 11:15

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002F.D
Lab Smp Id: HSL 120 ug/ml CS-6
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	137751	12.34
2 Naphthalene-d8	530514	265257	1061028	591665	11.53
3 Acenaphthene-d10	282538	141269	565076	322596	14.18
4 Phenanthrene-d10	462722	231361	925444	515607	11.43
5 Chrysene-d12	435850	217925	871700	509570	16.91
6 Perylene-d12	422284	211142	844568	539588	27.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.96	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.08
6 Perylene-d12	16.16	15.66	16.66	16.17	0.06

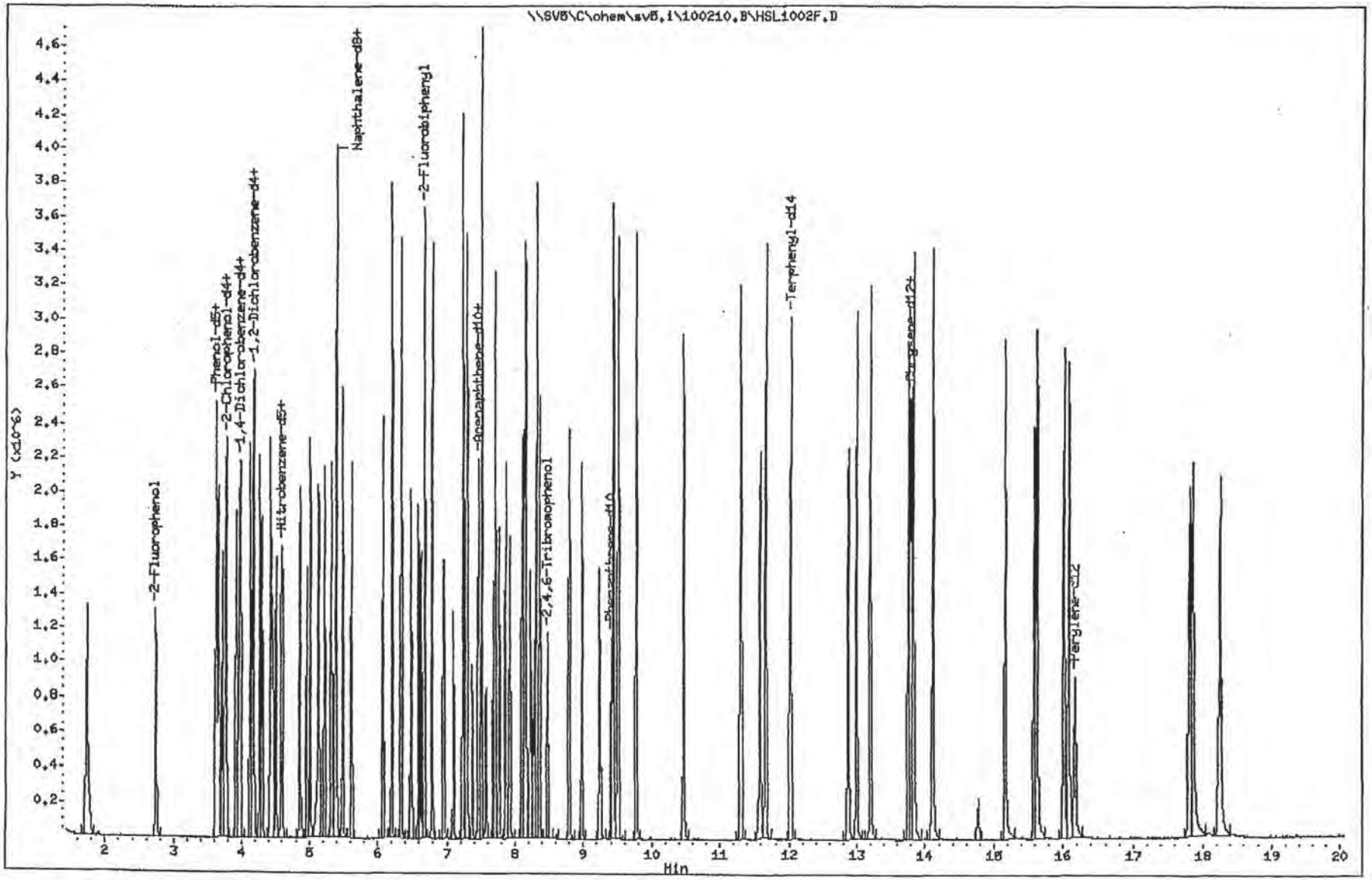
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\ohem\sv5.i\100210.B\HSL1002F.D
Date : 02-OCT-2010 14:38
Client ID: 8270F,H
Sample Info: HSL_120 ug/ml CS-6;1;;;6;;;;;4

Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002G.D
Lab Smp Id: HSL_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 15:00
Operator : KT Inst ID: sv5.i
Smp Info : HSL_160 ug/ml CS-7;1;;7;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:09 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	3.954	3.955	(1.000)	141009	40.0000		(Q)
*	2 Naphthalene-d8	136	5.374	5.374	(1.000)	622461	40.0000		
*	3 Acenaphthene-d10	164	7.478	7.468	(1.000)	328259	40.0000		
*	4 Phenanthrene-d10	188	9.405	9.405	(1.000)	532284	40.0000		
*	5 Chrysene-d12	240	13.789	13.779	(1.000)	539557	40.0000		
*	6 Perylene-d12	264	16.172	16.162	(1.000)	560436	40.0000		
$	7 2-Fluorophenol	112	2.732	2.732	(0.691)	810154	160.000	163.0	(A)
$	8 Phenol-d5	99	3.623	3.613	(0.916)	1035724	160.000	165.7	(A)
$	9 2-Chlorophenol-d4	132	3.757	3.758	(0.950)	890073	160.000	162.2	(A)
$	10 1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	557810	160.000	160.6	(A)
$	11 Nitrobenzene-d5	82	4.587	4.576	(0.853)	845796	160.000	160.4	(A)
$	12 2-Fluorobiphenyl	172	6.680	6.680	(0.893)	1707074	160.000	161.4	(A)
$	13 2,4,6-Tribromophenol	330	8.483	8.473	(1.134)	241468	160.000	169.3	(A)
$	14 Terphenyl-d14	244	12.017	12.017	(0.871)	1728892	160.000	162.7	(A)
	15 N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	529253	160.000	162.9	(Aq)
	16 Pyridine	79	1.726	1.726	(0.437)	860850	160.000	158.4	(Q)
	23 Aniline	93	3.654	3.654	(0.924)	1318620	160.000	165.8	(AQ)
	24 Phenol	94	3.633	3.623	(0.919)	1166090	160.000	162.4	(AQ)
	26 Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	813702	160.000	161.6	(A)
	27 2-Chlorophenol	128	3.768	3.768	(0.953)	885754	160.000	160.7	(A)
	28 1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	972719	160.000	162.0	(A)
	29 1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	1023408	160.000	163.0	(A)
	30 Benzyl Alcohol	108	4.120	4.120	(1.042)	617653	160.000	166.7	(A)
	31 1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	928919	160.000	160.9	(A)
	32 2-Methylphenol	108	4.265	4.255	(1.079)	834149	160.000	165.4	(A)
	33 2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	1290345	160.000	161.0	(A)
	34 4-Methylphenol	108	4.421	4.421	(1.118)	895481	160.000	167.2	(A)
	36 Hexachloroethane	117	4.504	4.504	(1.139)	343605	160.000	160.7	(A)
	37 N-Nitrosodinpropylamine	70	4.452	4.442	(1.126)	590870	160.000	165.6	(A)
	42 Nitrobenzene	77	4.607	4.597	(0.857)	844093	160.000	163.8	(A)
	44 Isophorone	82	4.866	4.856	(0.906)	1628636	160.000	164.4	(A)
	45 2-Nitrophenol	139	4.960	4.960	(0.923)	510613	160.000	167.0	(A)
	46 2,4-Dimethyphenol	107	5.022	5.012	(0.934)	890994	160.000	164.0	(A)

10-3-10

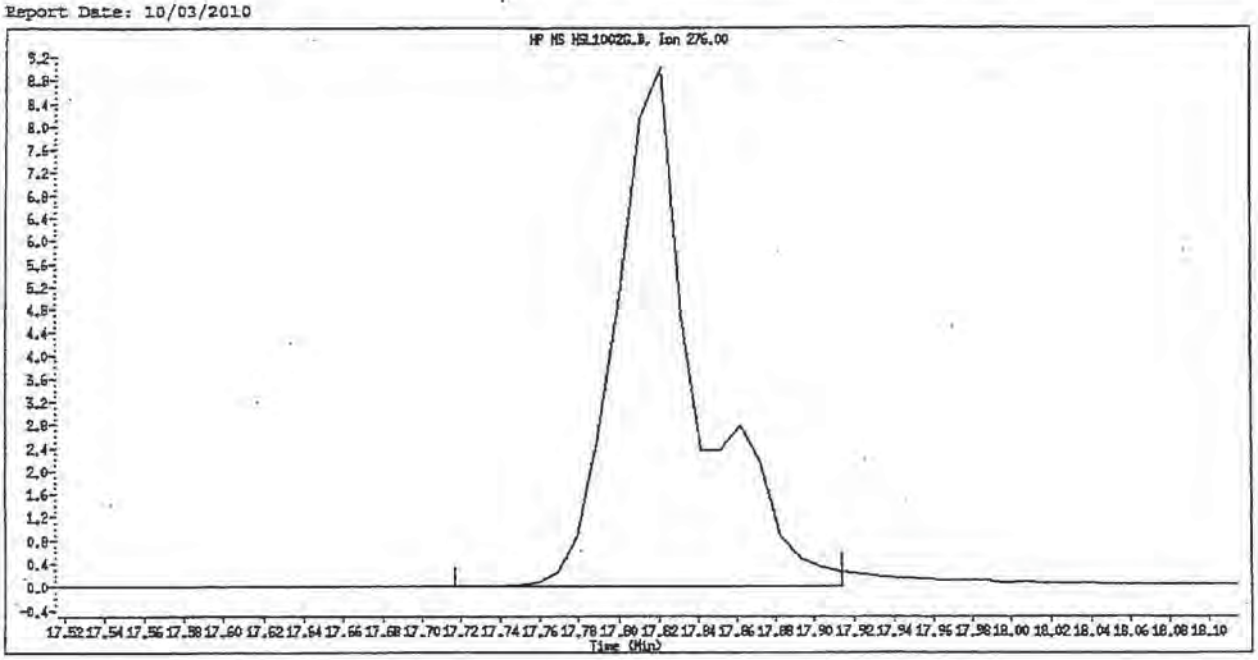
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.136	5.126	(0.956)	959710	160.000	158.5
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	692405	160.000	164.7 (A)
50 Benzoic Acid	122	5.167	5.115	(0.961)	552251	160.000	183.6 (A)
51 1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	724320	160.000	159.2
52 Naphthalene	128	5.395	5.395	(1.004)	2744968	160.000	159.7
54 4-Chloroaniline	127	5.488	5.488	(1.021)	1092223	160.000	162.1 (A)
57 Hexachlorobutadiene	225	5.612	5.613	(1.044)	360358	160.000	161.8 (A)
60 4-Chloro-3-Methylphenol	107	6.068	6.069	(1.129)	767831	160.000	163.6 (A)
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	1723402	160.000	159.6
65 Hexachlorocyclopentadiene	237	6.483	6.483	(0.867)	435738	160.000	177.9 (A)
69 2,4,6-Trichlorophenol	196	6.587	6.576	(0.881)	441685	160.000	168.6 (A)
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.886)	474468	160.000	168.2 (A)
71 2-Chloronaphthalene	162	6.783	6.784	(0.907)	1511253	160.000	163.6 (A)
73 2-Nitroaniline	65	6.960	6.949	(0.931)	476342	160.000	170.1 (A)
76 Dimethylphthalate	163	7.229	7.229	(0.967)	1710061	160.000	160.8 (A)
77 Acenaphthylene	152	7.291	7.281	(0.975)	2665048	160.000	165.6 (A)
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.976)	408436	160.000	164.8 (A)
80 3-Nitroaniline	138	7.457	7.447	(0.997)	520002	160.000	168.1 (A)
81 Acenaphthene	153	7.509	7.509	(1.004)	1647377	160.000	160.9 (A)
82 2,4-Dinitrophenol	184	7.581	7.572	(1.014)	265655	160.000	157.7
83 Dibenzofuran	168	7.706	7.706	(1.030)	2246304	160.000	165.3 (A)
84 4-Nitrophenol	109	7.685	7.675	(1.028)	228516	160.000	178.1 (AQ)
86 2,4-Dinitrotoluene	165	7.778	7.768	(1.040)	566055	160.000	174.0 (A)
91 Fluorene	166	8.141	8.131	(1.089)	1846653	160.000	164.1 (A)
92 Diethylphthalate	149	8.110	8.100	(1.085)	1813127	160.000	166.5 (A)
93 4-Chlorophenyl-phenylether	204	8.151	8.152	(1.090)	757562	160.000	161.9 (A)
94 4-Nitroaniline	138	8.224	8.214	(1.100)	531151	160.000	173.2 (A)
97 4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	324244	160.000	160.7 (A)
98 N-Nitrosodiphenylamine	169	8.328	8.317	(0.885)	1542041	187.000	191.1 (A)
100 Azobenzene	77	8.359	8.348	(0.889)	1646477	160.000	157.3
101 4-Bromophenyl-phenylether	248	8.804	8.794	(0.936)	421894	160.000	162.4 (A)
108 Hexachlorobenzene	284	8.980	8.981	(0.955)	465305	160.000	160.3 (A)
110 Pentachlorophenol	266	9.250	9.240	(0.983)	293184	160.000	159.9
114 Phenanthrene	178	9.447	9.437	(1.004)	2695719	160.000	160.7 (A)
115 Anthracene	178	9.509	9.499	(1.011)	2703105	160.000	161.3 (A)
118 Carbazole	167	9.768	9.768	(1.039)	2479487	160.000	161.9 (A)
120 Di-n-Butylphthalate	149	10.473	10.463	(1.113)	3164666	160.000	171.8 (A)
126 Fluoranthene	202	11.312	11.302	(1.203)	2500453	160.000	165.3 (A)
127 Benzidine	184	11.582	11.571	(0.840)	1864289	160.000	170.5 (A)
128 Pyrene	202	11.664	11.665	(0.846)	2714930	160.000	161.0 (A)
134 3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1724989	160.000	178.7 (A)
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	1401117	160.000	165.8 (A)
138 Benzo(a)Anthracene	228	13.768	13.758	(0.998)	2393908	160.000	166.6 (A)
139 Chrysene	228	13.841	13.831	(1.004)	2422526	160.000	164.8 (A)
140 3,3'-Dichlorobenzidine	252	13.810	13.799	(1.002)	915413	160.000	168.9 (A)
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	1906885	160.000	163.8 (A)
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	3253965	160.000	174.8 (A)
144 Benzo(b)fluoranthene	252	15.592	15.582	(0.964)	2299398	160.000	181.2 (AQ)
145 Benzo(k)fluoranthene	252	15.634	15.623	(0.967)	2475935	160.000	152.0 (q)
147 Benzo(e)pyrene	252	16.017	16.007	(0.990)	2178628	160.000	164.7 (A)
148 Benzo(a)pyrene	252	16.089	16.079	(0.995)	2387962	160.000	166.0 (A)
151 Indeno(1,2,3-cd)pyrene	276	17.820	17.800	(1.102)	2196805	160.000	188.8 (AM)
152 Dibenzo(a,h)anthracene	278	17.862	17.841	(1.104)	2250528	160.000	173.2 (A)
153 Benzo(g,h,i)perylene	276	18.255	18.235	(1.129)	2332007	160.000	165.7 (A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				4775333	160.000	164.8 (A)

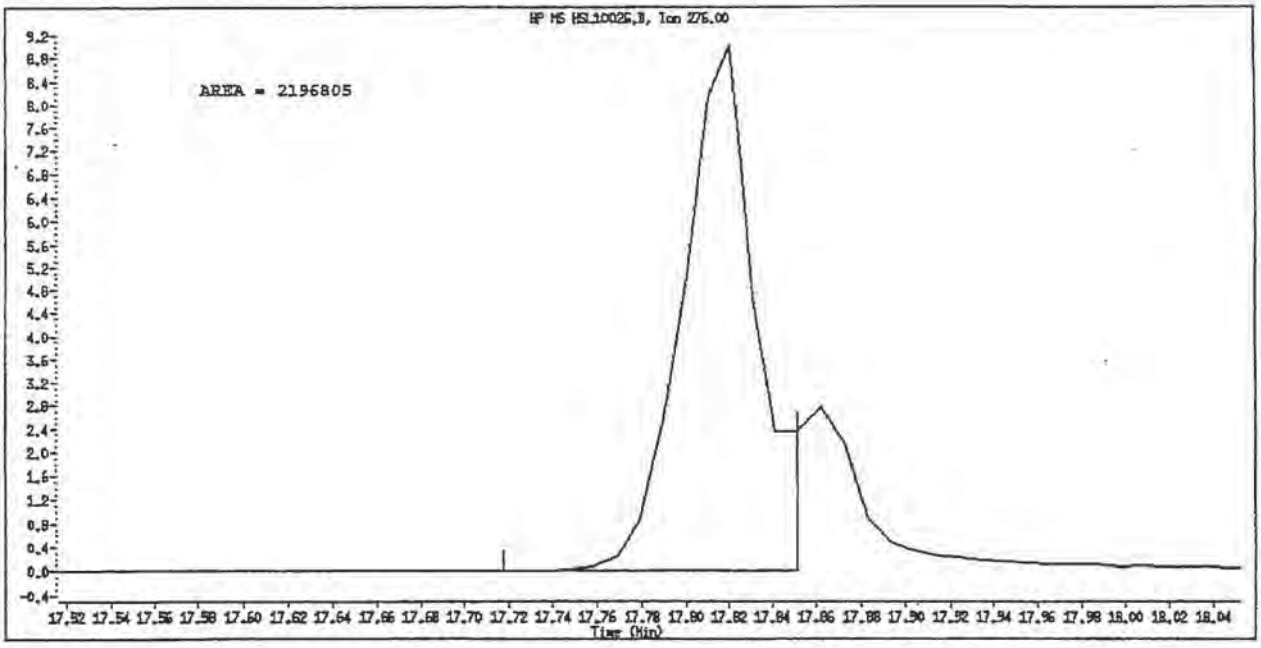
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
q - Qualifier signal exceeded ratio warning limit.

Data File Name: HSL1002G.D
Inj. Date and Time: 02-OCT-2010 15:00
Instrument ID: svS.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 10/03/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\100210.B\HSL1002G.D
Lab Smp Id: HSL_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 15:00
Operator : KT Inst ID: sv5.i
Smp Info : HSL_160 ug/ml CS-7;1;;7;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Meth Date : 02-Oct-2010 16:57 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	3.954	3.955	(1.000)	141009	40.0000		(Q)
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	622461	40.0000		
* 3	Acenaphthene-d10	164	7.478	7.468	(1.000)	328259	40.0000		
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	532284	40.0000		
* 5	Chrysene-d12	240	13.789	13.779	(1.000)	539557	40.0000		
* 6	Perylene-d12	264	16.172	16.162	(1.000)	560436	40.0000		
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	810154	160.000	155.7	
$ 8	Phenol-d5	99	3.623	3.613	(0.916)	1035724	160.000	156.5	
$ 9	2-Chlorophenol-d4	132	3.757	3.758	(0.950)	890073	160.000	157.7	
$ 10	1,2-Dichlorobenzene-d4	152	4.162	4.162	(1.052)	557810	160.000	158.4	
$ 11	Nitrobenzene-d5	82	4.587	4.576	(0.853)	845796	160.000	153.2	
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.893)	1707074	160.000	162.4	(A)
$ 13	2,4,6-Tribromophenol	330	8.483	8.473	(1.134)	241468	160.000	186.3	(A)
$ 14	Terphenyl-d14	244	12.017	12.017	(0.871)	1728892	160.000	164.3	(A)
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	529253	160.000	154.1	
16	Pyridine	79	1.726	1.726	(0.437)	860850	160.000	150.4	
23	Aniline	93	3.654	3.654	(0.924)	1318620	160.000	158.9	(Q)
24	Phenol	94	3.633	3.623	(0.919)	1166090	160.000	165.7	(AQ)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	813702	160.000	152.2	
27	2-Chlorophenol	128	3.768	3.768	(0.953)	885754	160.000	159.0	
28	1,3-Dichlorobenzene	146	3.923	3.923	(0.992)	972719	160.000	158.0	
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	1023408	160.000	164.5	(A)
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	617653	160.000	161.4	(A)
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	928919	160.000	157.5	
32	2-Methylphenol	108	4.265	4.255	(1.079)	834149	160.000	160.3	(A)
33	2,2'-oxybis(1-Chloropropane)	45	4.296	4.297	(1.086)	1290345	160.000	130.0	
34	4-Methylphenol	108	4.421	4.421	(1.118)	895481	160.000	161.5	(A)
36	Hexachloroethane	117	4.504	4.504	(1.139)	343605	160.000	156.5	
37	N-Nitrosodipropylamine	70	4.452	4.442	(1.126)	590870	160.000	152.2	
42	Nitrobenzene	77	4.607	4.597	(0.857)	844093	160.000	153.8	
44	Isophorone	82	4.866	4.856	(0.906)	1628636	160.000	156.6	
45	2-Nitrophenol	139	4.960	4.960	(0.923)	520613	160.000	170.5	(A)
46	2,4-Dimethyphenol	107	5.022	5.012	(0.934)	890994	160.000	160.2	(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.136	5.126	(0.956)	959710	160.000	155.0
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	692405	160.000	169.1(A)
50 Benzoic Acid	122	5.167	5.115	(0.961)	552251	160.000	178.1(A)
51 1,2,4-Trichlorobenzene	180	5.333	5.322	(0.992)	724320	160.000	163.2(A)
52 Naphthalene	128	5.395	5.395	(1.004)	2744968	160.000	158.4
54 4-Chloroaniline	127	5.488	5.488	(1.021)	1092223	160.000	160.2(A)
57 Hexachlorobutadiene	225	5.612	5.613	(1.044)	360358	160.000	170.6(A)
60 4-Chloro-3-Methylphenol	107	6.068	6.069	(1.129)	767831	160.000	163.0(A)
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	1723402	160.000	163.0(A)
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.867)	435738	160.000	174.0(A)
69 2,4,6-Trichlorophenol	196	6.587	6.576	(0.881)	441685	160.000	177.7(A)
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.886)	474468	160.000	173.8(A)
71 2-Chloronaphthalene	162	6.783	6.784	(0.907)	1511253	160.000	164.2(A)
73 2-Nitroaniline	65	6.960	6.949	(0.931)	476342	160.000	154.5
76 Dimethylphthalate	163	7.229	7.229	(0.967)	1710061	160.000	160.9(A)
77 Acenaphthylene	152	7.291	7.281	(0.975)	2665048	160.000	165.6(A)
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.976)	408436	160.000	171.6(A)
80 3-Nitroaniline	138	7.457	7.447	(0.997)	520002	160.000	164.8(A)
81 Acenaphthene	153	7.509	7.509	(1.004)	1647377	160.000	160.7(A)
82 2,4-Dinitrophenol	184	7.581	7.571	(1.014)	265655	160.000	158.9
83 Dibenzofuran	168	7.706	7.706	(1.030)	2246304	160.000	165.8(A)
84 4-Nitrophenol	109	7.685	7.675	(1.028)	228516	160.000	165.8(Aq)
86 2,4-Dinitrotoluene	165	7.778	7.768	(1.040)	566055	160.000	177.5(A)
91 Fluorene	166	8.141	8.131	(1.089)	1846653	160.000	166.4(A)
92 Diethylphthalate	149	8.110	8.100	(1.085)	1813127	160.000	163.2(A)
93 4-Chlorophenyl-phenylether	204	8.151	8.152	(1.090)	757562	160.000	165.6(A)
94 4-Nitroaniline	138	8.224	8.214	(1.100)	531151	160.000	172.2(A)
97 4,6-Dinitro-2-methylphenol	198	8.286	8.276	(0.881)	324244	160.000	158.0
98 N-Nitrosodiphenylamine	169	8.328	8.317	(0.885)	1542041	187.000	185.9(A)
100 Azobenzene	77	8.359	8.348	(0.889)	1646477	160.000	142.7
101 4-Bromophenyl-phenylether	248	8.804	8.794	(0.936)	421894	160.000	164.0(A)
108 Hexachlorobenzene	284	8.980	8.981	(0.955)	465305	160.000	167.5(A)
110 Pentachlorophenol	266	9.250	9.240	(0.983)	293184	160.000	175.8(A)
114 Phenanthrene	178	9.447	9.437	(1.004)	2695719	160.000	162.4(A)
115 Anthracene	178	9.509	9.499	(1.011)	2703105	160.000	161.8(A)
118 Carbazole	167	9.768	9.768	(1.039)	2479487	160.000	159.5
120 Di-n-Butylphthalate	149	10.473	10.463	(1.113)	3164666	160.000	168.4(A)
126 Fluoranthene	202	11.312	11.302	(1.203)	2500453	160.000	167.3(A)
127 Benzidine	184	11.582	11.571	(0.840)	1864289	160.000	168.3(A)
128 Pyrene	202	11.664	11.665	(0.846)	2714930	160.000	160.9(A)
134 3,3'-dimethylbenzidine	212	12.877	12.867	(0.934)	1724989	160.000	181.4(A)
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	1401117	160.000	162.5(A)
138 Benzo(a)Anthracene	228	13.768	13.758	(0.998)	2393908	160.000	168.2(A)
139 Chrysene	228	13.841	13.831	(1.004)	2422526	160.000	163.8(A)
140 3,3'-Dichlorobenzidine	252	13.810	13.799	(1.002)	915413	160.000	175.7(A)
141 bis(2-ethylhexyl)Phthalate	149	14.110	14.110	(1.023)	1906885	160.000	160.7(A)
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	3253965	160.000	171.5(A)
144 Benzo(b)fluoranthene	252	15.592	15.582	(0.964)	2299398	160.000	173.0(AQ)
145 Benzo(k)fluoranthene	252	15.634	15.623	(0.967)	2475935	160.000	159.4(q)
147 Benzo(e)pyrene	252	16.017	16.007	(0.990)	2178628	160.000	165.4(A)
148 Benzo(a)pyrene	252	16.089	16.079	(0.995)	2387962	160.000	165.1(A)
151 Indeno(1,2,3-cd)pyrene	276	17.820	17.800	(1.102)	2617878	160.000	204.6(A)
152 Dibenzo(a,h)anthracene	278	17.862	17.841	(1.104)	2250528	160.000	171.6(A)
153 Benzo(g,h,i)perylene	276	18.255	18.235	(1.129)	2332007	160.000	165.9(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				4775333	160.000	165.7 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
q - Qualifier signal exceeded ratio warning limit.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002G.D
Lab Smp Id: HSL_160 ug/ml CS-7
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	141009	14.99
2 Naphthalene-d8	530514	265257	1061028	622461	17.33
3 Acenaphthene-d10	282538	141269	565076	328259	16.18
4 Phenanthrene-d10	462722	231361	925444	532284	15.03
5 Chrysene-d12	435850	217925	871700	539557	23.79
6 Perylene-d12	422284	211142	844568	560436	32.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.96	3.46	4.46	3.95	-0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	-0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.48	0.14
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	-0.00
5 Chrysene-d12	13.78	13.28	14.28	13.79	0.07
6 Perylene-d12	16.16	15.66	16.66	16.17	0.06

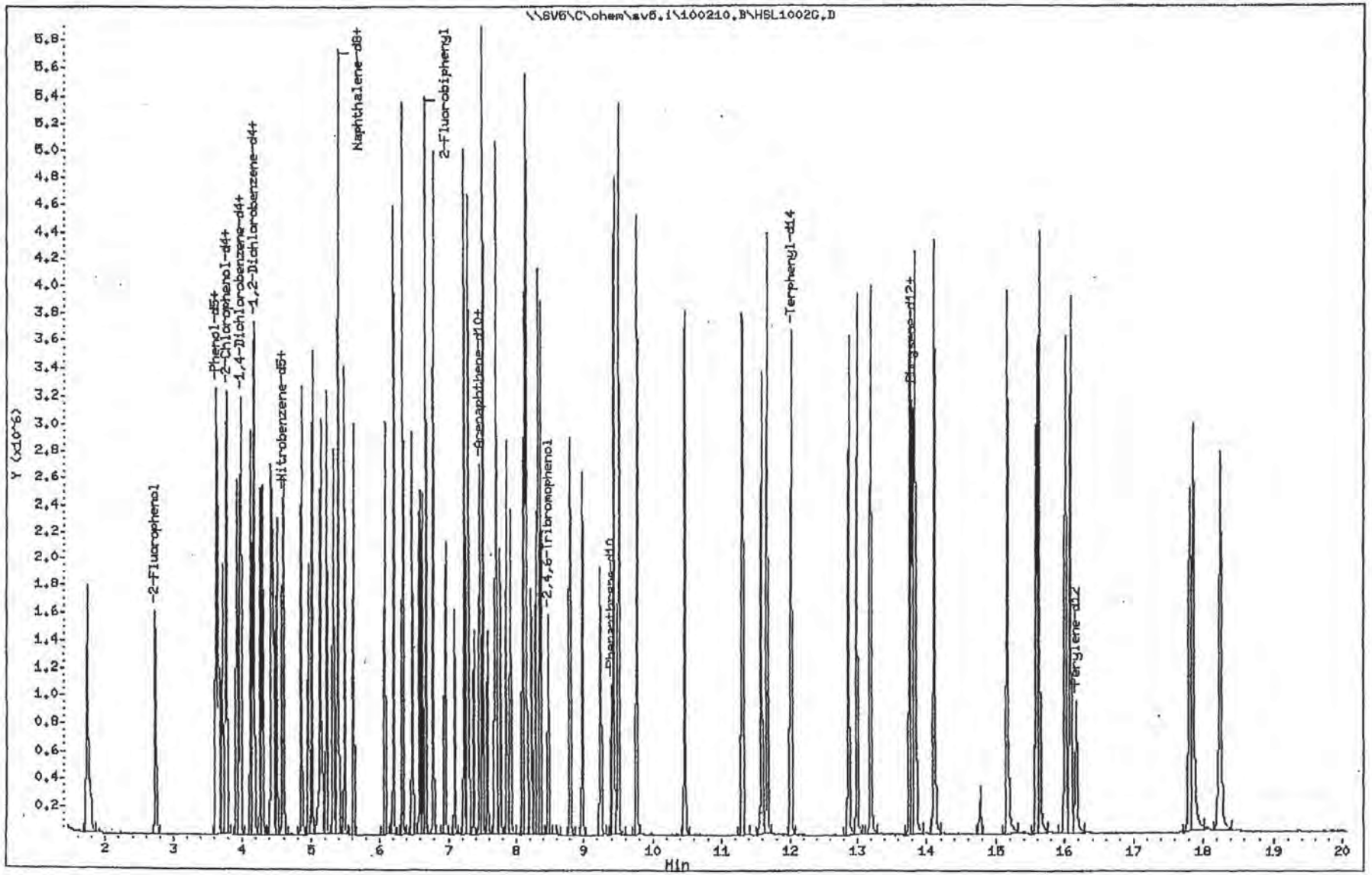
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\100210.B\HSL1002C.D
Date : 02-OCT-2010 15:00
Client ID: 8270F.H
Sample Info: HSL_160 ug/ml CS-7;1;;7;;;;4

Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 02-OCT-2010 16:11
Lab File ID: HSL1002H.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\100210.B\8270f.m

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$	7 2-Fluorophenol	1.40992	1.41047	1.41047	0.010	0.03876	50.00000	Averaged
$	8 Phenol-d5	1.77296	1.74907	1.74907	0.010	-1.34746	50.00000	Averaged
$	9 2-Chlorophenol-d4	1.55698	1.55303	1.55303	0.010	-0.25385	50.00000	Averaged
$	10 1,2-Dichlorobenzene-d4	0.98513	0.98502	0.98502	0.010	-0.01093	50.00000	Averaged
$	11 Nitrobenzene-d5	0.33879	0.32706	0.32706	0.010	-3.46219	50.00000	Averaged
$	12 2-Fluorobiphenyl	1.28852	1.25302	1.25302	0.010	-2.75502	50.00000	Averaged
$	13 2,4,6-Tribromophenol	0.17381	0.17822	0.17822	0.010	2.53174	50.00000	Averaged
$	14 Terphenyl-d14	0.78789	0.74054	0.74054	0.010	-6.00962	50.00000	Averaged
15	N-Nitrosodimethylamine	0.92154	0.91645	0.91645	0.010	-0.55265	50.00000	Averaged
16	Pyridine	1.54111	1.49084	1.49084	0.010	-3.26208	50.00000	Averaged
23	Aniline	2.25673	1.90520	1.90520	0.010	-15.57680	50.00000	Averaged
24	Phenol	2.03729	2.01343	2.01343	0.010	-1.17106	20.00000	Averaged
26	Bis(2-chloroethyl)ether	1.42859	1.41690	1.41690	0.010	-0.81844	50.00000	Averaged
27	2-Chlorophenol	1.56381	1.57626	1.57626	0.010	0.79611	50.00000	Averaged
28	1,3-Dichlorobenzene	1.70337	1.74104	1.74104	0.010	2.21094	50.00000	Averaged
29	1,4-Dichlorobenzene	1.78118	1.77637	1.77637	0.010	-0.26978	20.00000	Averaged
30	Benzyl Alcohol	1.05101	1.07153	1.07153	0.010	1.95228	50.00000	Averaged
31	1,2-Dichlorobenzene	1.63746	1.64144	1.64144	0.010	0.24267	50.00000	Averaged
32	2-Methylphenol	1.43012	1.41817	1.41817	0.010	-0.83592	50.00000	Averaged
33	2,2'-oxybis(1-Chloropropane	2.27365	2.14153	2.14153	0.010	-5.81096	50.00000	Averaged
34	4-Methylphenol	1.51904	1.42403	1.42403	0.010	-6.25452	50.00000	Averaged
36	Hexachloroethane	0.60636	0.62081	0.62081	0.010	2.38271	50.00000	Averaged
37	N-Nitrosodinpropylamine	1.01180	0.99863	0.99863	0.050	-1.30217	50.00000	Averaged
42	Nitrobenzene	0.33116	0.32452	0.32452	0.010	-2.00546	50.00000	Averaged
44	Isophorone	0.63679	0.62370	0.62370	0.010	-2.05513	50.00000	Averaged
45	2-Nitrophenol	0.19648	0.20090	0.20090	0.010	2.25050	20.00000	Averaged
46	2,4-Dimethyphenol	0.34911	0.33078	0.33078	0.010	-5.25153	50.00000	Averaged
47	Bis(2-chloroethoxy)methane	0.38908	0.37434	0.37434	0.010	-3.78942	50.00000	Averaged
49	2,4-Dichlorophenol	0.27010	0.26945	0.26945	0.010	-0.23923	20.00000	Averaged
50	Benzoic Acid	0.19324	0.20284	0.20284	0.010	4.96710	50.00000	Averaged
51	1,2,4-Trichlorobenzene	0.29246	0.28203	0.28203	0.010	-3.56320	50.00000	Averaged
52	Naphthalene	1.10443	1.07116	1.07116	0.010	-3.01217	50.00000	Averaged
54	4-Chloroaniline	0.43288	0.40664	0.40664	0.010	-6.06033	50.00000	Averaged
57	Hexachlorobutadiene	0.14313	0.14742	0.14742	0.010	2.99976	20.00000	Averaged
60	4-Chloro-3-Methylphenol	0.30164	0.29442	0.29442	0.010	-2.39317	20.00000	Averaged
63	2-Methylnaphthalene	0.69378	0.71003	0.71003	0.010	2.34296	50.00000	Averaged
66	Hexachlorocyclopentadiene	0.29846	0.32228	0.32228	0.050	7.98199	50.00000	Averaged
69	2,4,6-Trichlorophenol	0.31913	0.32462	0.32462	0.010	1.71977	20.00000	Averaged
70	2,4,5-Trichlorphenol	0.34380	0.34503	0.34503	0.010	0.35814	50.00000	Averaged
71	2-Chloronaphthalene	1.12571	1.09768	1.09768	0.010	-2.48963	50.00000	Averaged
73	2-Nitroaniline	0.34119	0.32550	0.32550	0.010	-4.59608	50.00000	Averaged
76	Dimethylphthalate	1.29606	1.28355	1.28355	0.010	-0.96554	50.00000	Averaged

10/3/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 02-OCT-2010 16:11
Lab File ID: HSL1002H.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\100210.B\8270f.m

COMPOUND	CCAL RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.96037	1.90194	1.90194	0.010	-2.98044	50.00000	Averaged
79 2,6-Dinitrotoluene	0.30197	0.30334	0.30334	0.010	0.45457	50.00000	Averaged
80 3-Nitroaniline	0.37691	0.37836	0.37836	0.010	0.38563	50.00000	Averaged
81 Acenaphthene	1.24787	1.19989	1.19989	0.010	-3.84461	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	48.07731	0.16950	0.050	-3.84537	0.000e+000	Quadratic
83 Dibenzofuran	1.65612	1.64309	1.64309	0.010	-0.78683	50.00000	Averaged
84 4-Nitrophenol	0.15634	0.16205	0.16205	0.050	3.65012	50.00000	Averaged
86 2,4-Dinitrotoluene	0.39633	0.40639	0.40639	0.010	2.53669	50.00000	Averaged
91 Fluorene	1.37139	1.36209	1.36209	0.010	-0.67828	50.00000	Averaged
92 Diethylphthalate	1.32699	1.28445	1.28445	0.010	-3.20581	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.57019	0.56986	0.56986	0.010	-0.05862	50.00000	Averaged
94 4-Nitroaniline	0.37361	0.40608	0.40608	0.010	8.68956	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	48.62001	0.13800	0.010	-2.75999	0.000e+000	Linear
98 N-Nitrosodiphenylamine	0.60628	0.49086	0.49086	0.010	-19.03836	20.00000	Averaged
100 Azobenzene	0.78660	0.77322	0.77322	0.010	-1.70096	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.19527	0.19536	0.19536	0.010	0.04546	50.00000	Averaged
108 Hexachlorobenzene	0.21807	0.22026	0.22026	0.010	1.00466	50.00000	Averaged
110 Pentachlorophenol	50.00000	50.72441	0.13218	0.010	1.44881	0.000e+000	Linear
114 Phenanthrene	1.26074	1.20864	1.20864	0.010	-4.13307	50.00000	Averaged
115 Anthracene	1.25955	1.22825	1.22825	0.010	-2.48429	50.00000	Averaged
118 Carbazole	1.15061	1.15083	1.15083	0.010	0.01942	50.00000	Averaged
120 Di-n-Butylphthalate	1.38442	1.39149	1.39149	0.010	0.51078	50.00000	Averaged
126 Fluoranthene	1.12969	1.19302	1.19302	0.010	5.60642	20.00000	Averaged
127 Benzidine	0.81067	0.30175	0.30175	0.010	-62.77740	50.00000	Averaged
128 Pyrene	1.25025	1.13023	1.13023	0.010	-9.59978	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71564	0.26880	0.26880	0.010	-62.43954	50.00000	Averaged
136 Butylbenzylphthalate	0.62663	0.58836	0.58836	0.010	-6.10747	50.00000	Averaged
138 Benzo(a)Anthracene	1.06548	0.99285	0.99285	0.010	-6.81596	50.00000	Averaged
139 Chrysene	1.08994	1.04703	1.04703	0.010	-3.93621	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40189	0.37691	0.37691	0.010	-6.21534	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.86316	0.80149	0.80149	0.010	-7.14468	50.00000	Averaged
142 Di-n-octylphthalate	1.37975	1.27404	1.27404	0.010	-7.66156	20.00000	Averaged
144 Benzo(b)fluoranthene	0.90549	0.90498	0.90498	0.010	-0.05663	50.00000	Averaged
145 Benzo(k)fluoranthene	1.16236	1.22175	1.22175	0.010	5.10982	50.00000	Averaged
147 Benzo(e)pyrene	0.94425	0.98421	0.98421	0.010	4.23177	50.00000	Averaged
148 Benzo(a)pyrene	1.02655	0.95393	0.95393	0.010	-7.07365	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.83029	0.81846	0.81846	0.010	-1.42489	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.92758	0.99090	0.99090	0.010	6.82730	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.00427	1.08674	1.08674	0.010	8.21177	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.06785	2.12673	2.12673	0.010	2.84748	50.00000	Averaged

See RT
See RT
10/3/10

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002H.D
Lab Smp Id: HSL_050 ug/ml ICV Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 16:11
Operator : KT Inst ID: sv5.i
Smp Info : HSL_050 ug/ml ICV;2;;4;;;;4
Misc Info : 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:20 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.954	3.954	(1.000)	98364	40.0000	
* 2	Naphthalene-d8	136	5.374	5.374	(1.000)	431655	40.0000	
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	236662	40.0000	
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	380734	40.0000	
* 5	Chrysene-d12	240	13.789	13.789	(1.000)	421719	40.0000	
* 6	Perylene-d12	264	16.173	16.173	(1.000)	419419	40.0000	
$ 7	2-Fluorophenol	112	2.732	2.732	(0.691)	173424	50.0000	50.02
$ 8	Phenol-d5	99	3.613	3.613	(0.914)	215057	50.0000	49.33
$ 9	2-Chlorophenol-d4	132	3.747	3.747	(0.948)	190953	50.0000	49.87
$ 10	1,2-Dichlorobenzene-d4	152	4.151	4.151	(1.050)	121113	50.0000	49.99
$ 11	Nitrobenzene-d5	82	4.576	4.576	(0.852)	176474	50.0000	48.27
$ 12	2-Fluorobiphenyl	172	6.680	6.680	(0.895)	370679	50.0000	48.62
$ 13	2,4,6-Tribromophenol	330	8.483	8.483	(1.136)	52721	50.0000	51.26
$ 14	Terphenyl-d14	244	12.017	12.017	(0.871)	390377	50.0000	47.00
15	N-Nitrosodimethylamine	74	1.706	1.706	(0.431)	112682	50.0000	49.72(Q)
16	Pyridine	79	1.726	1.726	(0.437)	183306	50.0000	48.37
23	Aniline	93	3.654	3.654	(0.924)	234254	50.0000	42.21
24	Phenol	94	3.623	3.623	(0.916)	247561	50.0000	49.41(Q)
26	Bis(2-chloroethyl)ether	93	3.716	3.716	(0.940)	174215	50.0000	49.59
27	2-Chlorophenol	128	3.768	3.768	(0.953)	193809	50.0000	50.40
28	1,3-Dichlorobenzene	146	3.913	3.913	(0.990)	214069	50.0000	51.10
29	1,4-Dichlorobenzene	146	3.975	3.975	(1.005)	218414	50.0000	49.86
30	Benzyl Alcohol	108	4.120	4.120	(1.042)	131750	50.0000	50.98
31	1,2-Dichlorobenzene	146	4.172	4.172	(1.055)	201823	50.0000	50.12
32	2-Methylphenol	108	4.255	4.255	(1.076)	174371	50.0000	49.58
33	2,2'-oxybis(1-Chloropropane)	45	4.296	4.296	(1.086)	263312	50.0000	47.09
34	4-Methylphenol	108	4.410	4.410	(1.115)	175092	50.0000	46.87
36	Hexachloroethane	117	4.504	4.504	(1.139)	76332	50.0000	51.19
37	N-Nitrosodinpropylamine	70	4.442	4.442	(1.123)	122786	50.0000	49.35
42	Nitrobenzene	77	4.597	4.597	(0.855)	175102	50.0000	49.00
44	Isophorone	82	4.856	4.856	(0.904)	336530	50.0000	48.97
45	2-Nitrophenol	139	4.960	4.960	(0.923)	108399	50.0000	51.12
46	2,4-Dimethyphenol	107	5.012	5.012	(0.933)	178479	50.0000	47.37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.126	5.126	(0.954)	201982	50.0000	48.10
49 2,4-Dichlorophenol	162	5.229	5.229	(0.973)	145389	50.0000	49.88
50 Benzoic Acid	122	5.115	5.115	(0.952)	109446	50.0000	52.48
51 1,2,4-Trichlorobenzene	180	5.322	5.322	(0.990)	152177	50.0000	48.22
52 Naphthalene	128	5.395	5.395	(1.004)	577964	50.0000	48.49
54 4-Chloroaniline	127	5.488	5.488	(1.021)	219411	50.0000	46.97
57 Hexachlorobutadiene	225	5.613	5.613	(1.044)	79543	50.0000	51.50
60 4-Chloro-3-Methylphenol	107	6.069	6.069	(1.129)	158858	50.0000	48.80
63 2-Methylnaphthalene	142	6.203	6.203	(1.154)	383110	50.0000	51.17
66 Hexachlorocyclopentadiene	237	6.483	6.483	(0.868)	95339	50.0000	53.99
69 2,4,6-Trichlorophenol	196	6.587	6.587	(0.882)	96032	50.0000	50.86
70 2,4,5-Trichlorphenol	196	6.628	6.628	(0.888)	102070	50.0000	50.18
71 2-Chloronaphthalene	162	6.784	6.784	(0.908)	324725	50.0000	48.76
73 2-Nitroaniline	65	6.949	6.949	(0.931)	96293	50.0000	47.70
76 Dimethylphthalate	163	7.229	7.229	(0.968)	379709	50.0000	49.52
77 Acenaphthylene	152	7.281	7.281	(0.975)	562646	50.0000	48.51
79 2,6-Dinitrotoluene	165	7.302	7.302	(0.978)	89736	50.0000	50.23
80 3-Nitroaniline	138	7.457	7.457	(0.999)	111929	50.0000	50.19
81 Acenaphthene	153	7.509	7.509	(1.006)	354961	50.0000	48.08
82 2,4-Dinitrophenol	184	7.582	7.582	(1.015)	50142	50.0000	48.08
83 Dibenzofuran	168	7.706	7.706	(1.032)	486071	50.0000	49.61
84 4-Nitrophenol	109	7.675	7.675	(1.028)	47938	50.0000	51.82 (Q)
86 2,4-Dinitrotoluene	165	7.768	7.768	(1.040)	120220	50.0000	51.27
91 Fluorene	166	8.131	8.131	(1.089)	402944	50.0000	49.66
92 Diethylphthalate	149	8.100	8.100	(1.085)	379976	50.0000	48.40
93 4-Chlorophenyl-phenylether	204	8.152	8.152	(1.092)	168579	50.0000	49.97
94 4-Nitroaniline	138	8.214	8.214	(1.100)	120129	50.0000	54.34
97 4,6-Dinitro-2-methylphenol	198	8.276	8.276	(0.880)	65675	50.0000	48.62
98 N-Nitrosodiphenylamine	169	8.317	8.317	(0.884)	273768	58.6000	47.44
100 Azobenzene	77	8.359	8.359	(0.889)	367990	50.0000	49.15
101 4-Bromophenyl-phenylether	248	8.804	8.804	(0.936)	92973	50.0000	50.02
108 Hexachlorobenzene	284	8.981	8.981	(0.955)	104824	50.0000	50.50
110 Pentachlorophenol	266	9.240	9.240	(0.982)	62906	50.0000	50.72
114 Phenanthrene	178	9.437	9.437	(1.003)	575211	50.0000	47.93
115 Anthracene	178	9.509	9.509	(1.011)	584548	50.0000	48.76
118 Carbazole	167	9.768	9.768	(1.039)	547701	50.0000	50.01
120 Di-n-Butylphthalate	149	10.473	10.473	(1.113)	662234	50.0000	50.26
126 Fluoranthene	202	11.302	11.302	(1.202)	567781	50.0000	52.80
127 Benzidine	184	11.582	11.582	(0.840)	159069	50.0000	18.61
128 Pyrene	202	11.665	11.665	(0.846)	595801	50.0000	45.20
134 3,3'-dimethylbenzidine	212	12.877	12.877	(0.934)	141696	50.0000	18.78
136 Butylbenzylphthalate	149	12.991	12.991	(0.942)	310154	50.0000	46.95
138 Benzo(a)Anthracene	228	13.758	13.758	(0.998)	523382	50.0000	46.59
139 Chrysene	228	13.830	13.830	(1.003)	551943	50.0000	48.03
140 3,3'-Dichlorobenzidine	252	13.799	13.799	(1.001)	198689	50.0000	46.89
141 bis(2-ethylhexyl) Phthalate	149	14.110	14.110	(1.023)	422505	50.0000	46.43
142 Di-n-octylphthalate	149	15.167	15.167	(1.100)	671608	50.0000	46.17
144 Benzo(b)fluoranthene	252	15.582	15.582	(0.963)	474456	50.0000	49.97 (Q)
145 Benzo(k)fluoranthene	252	15.623	15.623	(0.966)	640533	50.0000	52.55
147 Benzo(e)pyrene	252	16.007	16.007	(0.990)	515993	50.0000	52.12
148 Benzo(a)pyrene	252	16.079	16.079	(0.994)	500123	50.0000	46.46
151 Indeno(1,2,3-cd)pyrene	276	17.810	17.810	(1.101)	429096	50.0000	49.29
152 Dibenzo(a,h)anthracene	278	17.851	17.851	(1.104)	519505	50.0000	53.41
153 Benzo(g,h,i)perylene	276	18.235	18.235	(1.127)	569749	50.0000	54.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1114989	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002H.D
Lab Smp Id: HSL_050 ug/ml ICV
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	98364	-19.78
2 Naphthalene-d8	530514	265257	1061028	431655	-18.63
3 Acenaphthene-d10	282538	141269	565076	236662	-16.24
4 Phenanthrene-d10	462722	231361	925444	380734	-17.72
5 Chrysene-d12	435850	217925	871700	421719	-3.24
6 Perylene-d12	422284	211142	844568	419419	-0.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.95	0.00
2 Naphthalene-d8	5.37	4.87	5.87	5.37	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.79	13.29	14.29	13.79	0.00
6 Perylene-d12	16.17	15.67	16.67	16.17	0.00

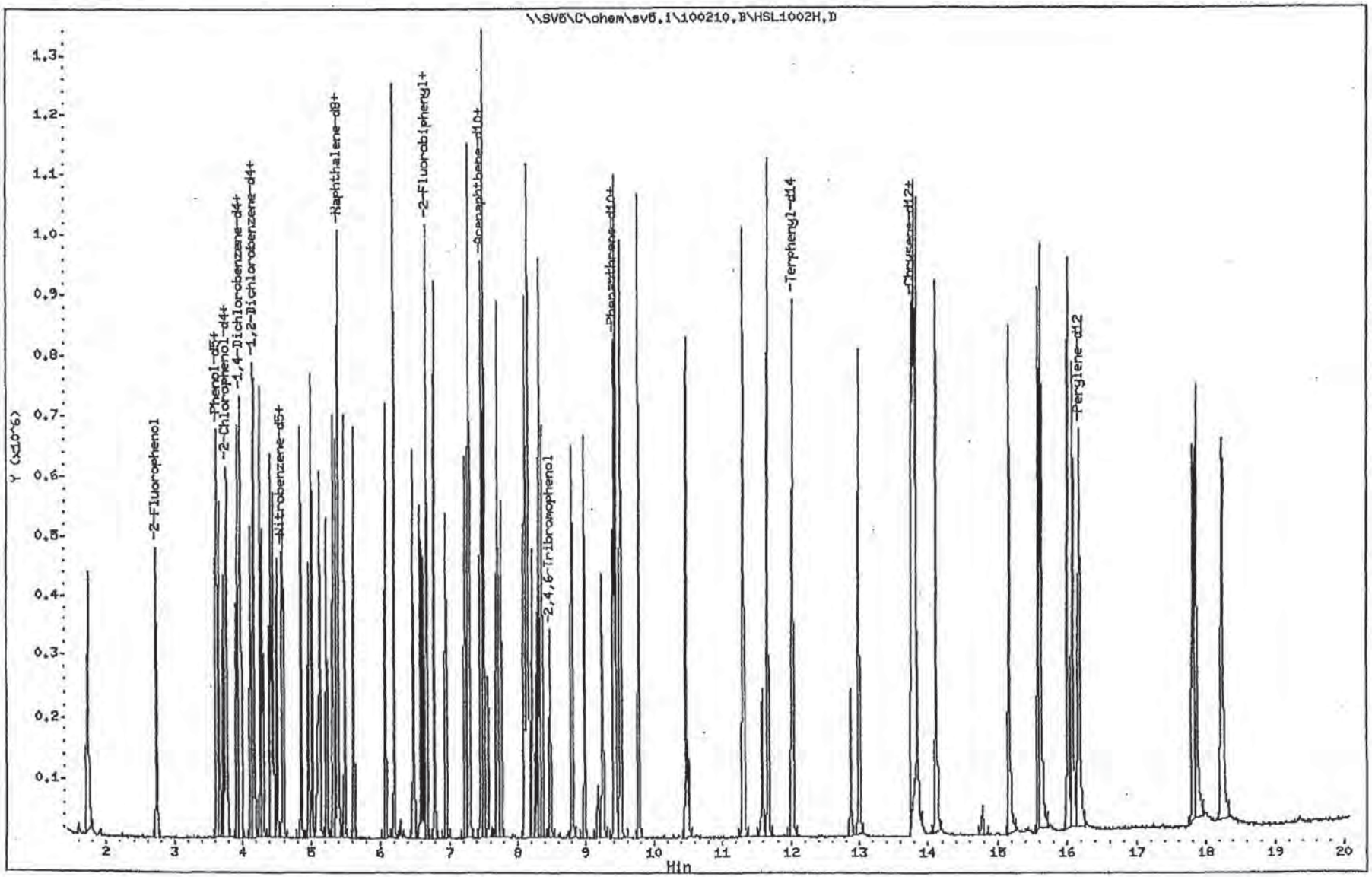
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\100210.B\HSL1002H.D
Date : 02-OCT-2010 16:11
Client ID: 8270F.H
Sample Info: HSL_050 ug/ml ICV;2;;4;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



Test America West Sacramento (916) 373 - 5600

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 02-OCT-2010 16:36
Lab File ID: HSL1002H1.D Init. Cal. Date(s): 17-AUG-2010 02-OCT-2010
Analysis Type: Init. Cal. Times: 17:32 15:00
Lab Sample ID: Benzidines ICV 50ug Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\100210.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
127 Benzidine	0.81067	0.92336	0.92336	0.010	13.89989	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71564	0.78974	0.78974	0.010	10.35398	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40189	0.42433	0.42433	0.010	5.58428	50.00000	Averaged

VT
10-3-10

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\100210.B\HSL1002H1.D
Lab Smp Id: Benzidines ICV 50ug Client Smp ID: 8270F.M
Inj Date : 02-OCT-2010 16:36
Operator : KT Inst ID: sv5.i
Smp Info : Benzidines ICV 50ug/mL;2;;4;;;;4
Misc Info : 3;;0;BenzICV.SUB;10MSSV0342;0;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\100210.B\8270f.m
Meth Date : 03-Oct-2010 11:13 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BenzICV.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	3.954	3.954	(1.000)	115503	40.0000	
* 2	Naphthalene-d8	136	5.364	5.364	(1.000)	480485	40.0000	
* 3	Acenaphthene-d10	164	7.468	7.468	(1.000)	254190	40.0000	
* 4	Phenanthrene-d10	188	9.405	9.405	(1.000)	405333	40.0000	
* 5	Chrysene-d12	240	13.779	13.779	(1.000)	378068	40.0000	
* 6	Perylene-d12	264	16.162	16.162	(1.000)	372382	40.0000	
127	Benzidine	184	11.571	11.571	(0.840)	436364	50.0000	56.95
134	3,3'-dimethylbenzidine	212	12.867	12.867	(0.934)	373217	50.0000	55.18
140	3,3'-Dichlorobenzidine	252	13.799	13.799	(1.002)	200534	50.0000	52.79

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1002H1.D
Lab Smp Id: Benzidines ICV 50ug
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\100210.B\8270f.m
Misc Info: 3;;0;BenzICV.SUB;10MSSV0342;0;8270F.M

Calibration Date: 02-OCT-2010
Calibration Time: 13:44
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	122625	61313	245250	115503	-5.81
2 Naphthalene-d8	530514	265257	1061028	480485	-9.43
3 Acenaphthene-d10	282538	141269	565076	254190	-10.03
4 Phenanthrene-d10	462722	231361	925444	405333	-12.40
5 Chrysene-d12	435850	217925	871700	378068	-13.26
6 Perylene-d12	422284	211142	844568	372382	-11.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	3.95	3.45	4.45	3.95	0.00
2 Naphthalene-d8	5.36	4.86	5.86	5.36	0.00
3 Acenaphthene-d10	7.47	6.97	7.97	7.47	0.00
4 Phenanthrene-d10	9.41	8.91	9.91	9.41	0.00
5 Chrysene-d12	13.78	13.28	14.28	13.78	0.00
6 Perylene-d12	16.16	15.66	16.66	16.16	0.00

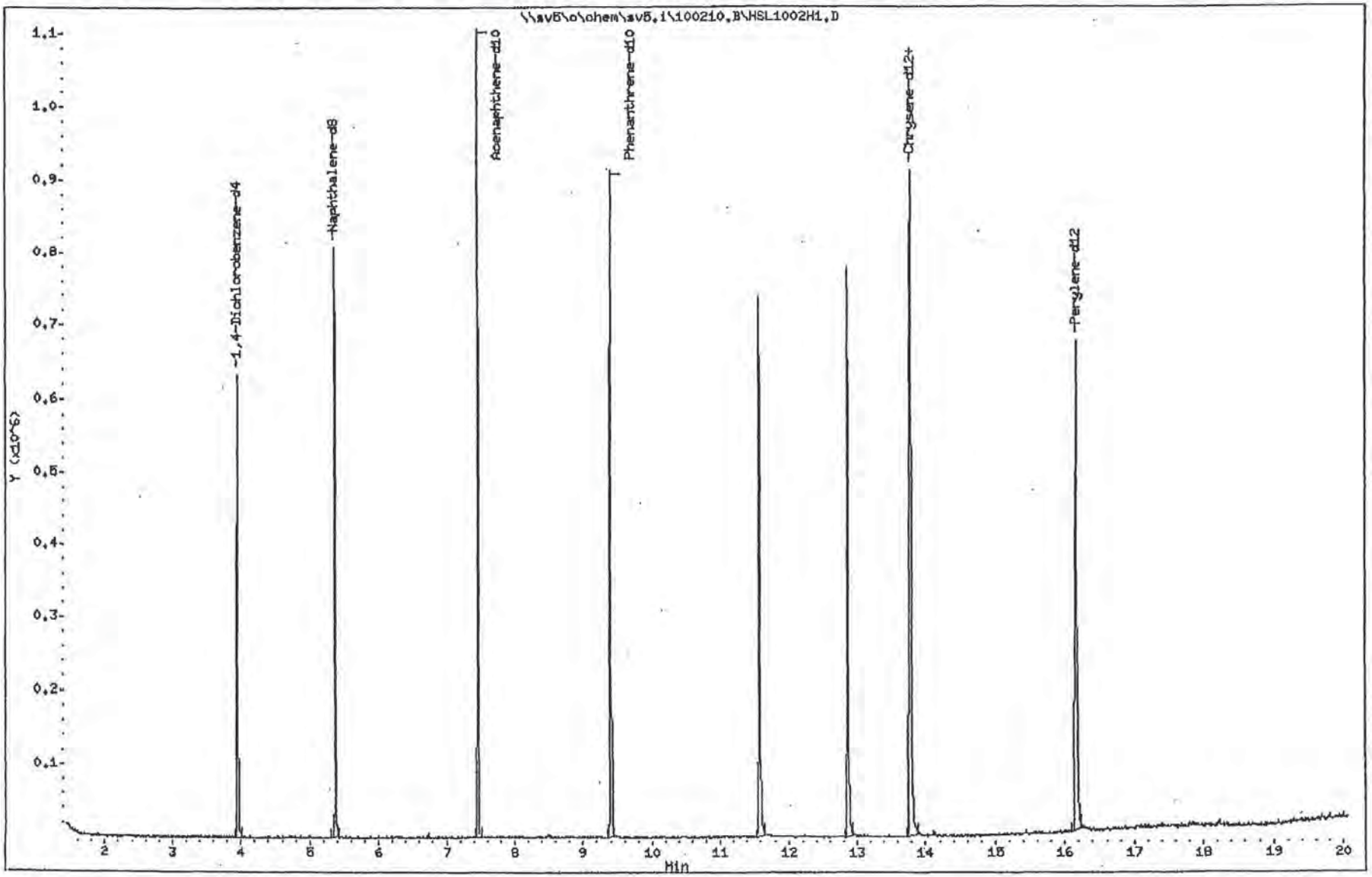
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\sv5\o\ohem\sv5.i\100210.B\HSL1002H1.D
Date : 02-OCT-2010 16:36
Client ID: 8270F.M
Sample Info: Benzidines ICV 50ug/mL;2;;4;;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



Test America West Sacramento (916) 373 - 5600

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Calibration File Names:
Level 1: \\SV5\C\chem\sv5.i\081710.B\AP90817A.D
Level 2: \\SV5\C\chem\sv5.i\081710.B\AP90817B.D
Level 3: \\SV5\C\chem\sv5.i\081710.B\AP90817C.D
Level 4: \\SV5\C\chem\sv5.i\081710.B\AP90817D.D
Level 5: \\SV5\C\chem\sv5.i\081710.B\AP90817E.D
Level 6: \\SV5\C\chem\sv5.i\081710.B\AP90817F.D
Level 7: \\SV5\C\chem\sv5.i\081710.B\AP90817G.D

10/3/10

Original RRF

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
15 N-Nitrosodimethylamine	0.92899	0.88268	0.91048	0.91970	0.93146	0.93916		
	0.93833						0.92154	2.162
16 Pyridine	1.67117	1.37423	1.59449	1.56610	1.52299	1.53256		
	1.52623						1.54111	5.856
23 Aniline	2.20796	2.15935	2.19988	2.26058	2.29749	2.33400		
	2.33783						2.25673	3.098
24 Phenol	2.04111	1.96212	2.02834	2.03430	2.06683	2.06089		
	2.06740						2.03729	1.802
26 Bis(2-chloroethyl)ether	1.47335	1.38252	1.39491	1.43824	1.42549	1.44300		
	1.44264						1.42859	2.170
27 2-Chlorophenol	1.52099	1.55595	1.56903	1.58168	1.56789	1.58074		
	1.57039						1.56381	1.328
28 1,3-Dichlorobenzene	1.68903	1.69173	1.67754	1.73135	1.68641	1.72299		
	1.72457						1.70337	1.294
29 1,4-Dichlorobenzene	1.77122	1.79861	1.74013	1.76898	1.78200	1.75288		
	1.81444						1.78118	1.352

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	160.000 Level 7	RRF	% RSD
30 Benzyl Alcohol	1.01643	1.03654	0.99182	1.04980	1.07792	1.08952	1.09506	1.05101	3.697
31 1,2-Dichlorobenzene	1.62008	1.63185	1.60455	1.68061	1.63410	1.64415	1.64691	1.63746	1.459
32 2-Methylphenol	1.40818	1.38930	1.39110	1.42620	1.45565	1.46154	1.47889	1.43012	2.506
33 2,2'-oxybis(1-Chloropropane)	2.29602	2.22080	2.28329	2.27928	2.27018	2.27830	2.28770	2.27365	1.085
34 4-Methylphenol	1.48606	1.48913	1.46270	1.52239	1.52653	1.55886	1.58763	1.51904	2.884
36 Hexachloroethane	0.60925	0.60836	0.60573	0.61394	0.60427	0.59381	0.60919	0.60636	1.043
37 N-Nitrosodinpropylamine	0.94498	0.97005	1.01302	1.02370	1.04700	1.03627	1.04757	1.01180	3.926
42 Nitrobenzene	0.32855	0.32602	0.32543	0.33083	0.33379	0.33450	0.33901	0.33116	1.489
44 Isophorone	0.63431	0.62291	0.61160	0.63344	0.63648	0.66468	0.65411	0.63679	2.811
45 2-Nitrophenol	0.18608	0.18833	0.18840	0.20021	0.20022	0.20702	0.20508	0.19648	4.423
46 2,4-Dimethyphenol	0.34459	0.34167	0.34307	0.34912	0.34788	0.35962	0.35785	0.34911	2.028

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 02-OCT-2010 15:00
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\100210.B\8270f.m
Last Edit : 03-Oct-2010 11:07 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
47 Bis(2-chloroethoxy)methane	0.41146	0.37494	0.38565	0.38249	0.38500	0.39859		
	0.38545						0.38908	3.106
49 2,4-Dichlorophenol	0.25434	0.26318	0.27019	0.27037	0.27274	0.28180		
	0.27809						0.27010	3.393
50 Benzoic Acid	0.16747	0.16266	0.17423	0.19357	0.21024	0.22272		
	0.22180						0.19324	13.252
51 1,2,4-Trichlorobenzene	0.29430	0.28827	0.28475	0.29747	0.29189	0.29959		
	0.29091						0.29246	1.760
52 Naphthalene	1.09939	1.12462	1.07435	1.09325	1.09870	1.13821		
	1.10247						1.10443	1.900
54 4-Chloroaniline	0.40751	0.42534	0.43264	0.43910	0.43781	0.44905		
	0.43867						0.43288	3.068
57 Hexachlorobutadiene	0.14295	0.13812	0.14428	0.14415	0.14385	0.14379		
	0.14473						0.14313	1.589
60 4-Chloro-3-Methylphenol	0.29329	0.28866	0.29079	0.30972	0.30295	0.31766		
	0.30839						0.30164	3.644
63 2-Methylnaphthalene	0.68483	0.68064	0.68080	0.70067	0.70560	0.71172		
	0.69217						0.69378	1.797
66 Hexachlorocyclopentadiene	0.26878	0.27757	0.28896	0.29704	0.30236	0.32262		
	0.33186						0.29846	7.645
69 2,4,6-Trichlorophenol	0.31186	0.29820	0.30223	0.31996	0.32305	0.34225		
	0.33638						0.31913	5.157

TestAmerica West Sacramento

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70 2,4,5-Trichlorphenol	0.30823	0.32892	0.33796	0.36298	0.35236	0.35480	0.36135	0.34380	5.807
71 2-Chloronaphthalene	1.13629	1.09411	1.10012	1.14181	1.11220	1.14447	1.15096	1.12571	2.051
73 2-Nitroaniline	0.31576	0.31759	0.33397	0.35205	0.34821	0.35794	0.36278	0.34119	5.573
76 Dimethylphthalate	1.23388	1.25191	1.29803	1.34568	1.31165	1.32891	1.30237	1.29606	3.093
77 Acenaphthylene	1.86531	1.91304	1.91818	2.01646	1.98204	1.99786	2.02968	1.96037	3.150
79 2,6-Dinitrotoluene	0.28347	0.27378	0.29890	0.31220	0.31294	0.32140	0.31106	0.30197	5.786
80 3-Nitroaniline	0.35362	0.34622	0.35978	0.40036	0.38674	0.39559	0.39603	0.37691	6.069
81 Acenaphthene	1.25874	1.22468	1.26733	1.27046	1.21141	1.24781	1.25463	1.24787	1.768
82 2,4-Dinitrophenol	0.10149	0.11058	0.14485	0.16667	0.18378	0.20563	0.20232	0.15933	26.349
83 Dibenzofuran	1.57786	1.62124	1.65200	1.69530	1.65117	1.68450	1.71077	1.65612	2.779
84 4-Nitrophenol	0.12712	0.14148	0.15316	0.16076	0.17130	0.16653	0.17404	0.15634	10.909

TestAmerica West Sacramento

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Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
86 2,6-Dinitrotoluene	0.34360	0.35989	0.38479	0.42154	0.41035	0.42305		
	0.43110						0.39633	8.616
91 Fluorene	1.34567	1.33840	1.34292	1.39902	1.38899	1.37835		
	1.40640						1.37139	2.086
92 Diethylphthalate	1.22240	1.29889	1.31549	1.37912	1.31873	1.37345		
	1.38087						1.32699	4.319
93 4-Chlorophenyl-phenylether	0.54964	0.55917	0.56887	0.59265	0.56708	0.57695		
	0.57695						0.57019	2.429
94 4-Nitroaniline	0.33346	0.33747	0.37329	0.38337	0.39216	0.39102		
	0.40452						0.37361	7.424
97 4,6-Dinitro-2-methylphenol	0.09316	0.10533	0.12545	0.13163	0.14105	0.15288		
	0.15229						0.12883	17.707
98 N-Nitrosodiphenylamine	0.57756	0.59736	0.60533	0.60433	0.62172	0.61801		
	0.61968						0.60628	2.577
100 Azobenzene	0.77527	0.76965	0.77321	0.79522	0.80064	0.81892		
	0.77331						0.78660	2.371
101 4-Bromophenyl-phenylether	0.18964	0.18507	0.19281	0.19931	0.19607	0.20581		
	0.19815						0.19527	3.488
108 Hexachlorobenzene	0.22958	0.22054	0.20740	0.21605	0.21731	0.21704		
	0.21854						0.21807	3.009
110 Pentachlorophenol	0.09427	0.09851	0.11582	0.11736	0.13228	0.13923		
	0.13770						0.11931	15.221

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Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
114 Phenanthrene	1.30347	1.26007	1.25408	1.24163	1.24375	1.25610		
	1.26611						1.26074	1.643
115 Anthracene	1.25034	1.21759	1.24206	1.25982	1.27529	1.30214		
	1.26958						1.25955	2.129
118 Carbazole	1.13211	1.12547	1.13694	1.14260	1.17067	1.18192		
	1.16455						1.15061	1.878
120 Di-n-Butylphthalate	1.28492	1.32287	1.36193	1.38164	1.41474	1.43847		
	1.48636						1.38442	4.973
126 Fluoranthene	1.03840	1.07611	1.17216	1.10520	1.15861	1.18294		
	1.17440						1.12969	5.018
127 Benzidine	0.78175	0.76431	0.75250	0.82658	0.82201	0.86375		
	0.86381						0.81067	5.606
128 Pyrene	1.25791	1.23783	1.17078	1.28684	1.25586	1.28463		
	1.25794						1.25025	3.122
134 3,3'-dimethylbenzidine	0.65472	0.64388	0.67361	0.70756	0.73630	0.79414		
	0.79926						0.71564	8.888
136 Butylbenzylphthalate	0.64984	0.60187	0.59142	0.62586	0.61590	0.65233		
	0.64920						0.62663	3.950
138 Benzo(a)Anthracene	1.10169	0.99731	1.03245	1.04489	1.06449	1.10831		
	1.10920						1.06548	4.058
139 Chrysene	1.05284	1.10175	1.06320	1.09705	1.06985	1.12241		
	1.12246						1.08994	2.594

TestAmerica West Sacramento

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Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
140 3,3'-Dichlorobenzidine	0.39148	0.37695	0.39090	0.39906	0.40353	0.42717		
	0.42415						0.40189	4.539
141 bis(2-ethylhexyl)Phthalate	0.91826	0.80897	0.84032	0.85193	0.84371	0.89539		
	0.88354						0.86316	4.348
142 Di-n-octylphthalate	1.34838	1.23185	1.35627	1.34433	1.39356	1.47616		
	1.50770						1.37975	6.651
144 Benzo(b)fluoranthene	0.81012	0.81077	0.82747	0.99930	0.95373	0.91132		
	1.02572						0.90549	10.058
145 Benzo(k)fluoranthene	1.22939	1.16528	1.20022	1.09895	1.14223	1.19597		
	1.10447						1.16236	4.279
147 Benzo(e)pyrene	0.90394	0.92734	0.90757	0.95977	0.96997	0.96929		
	0.97185						0.94425	3.220
148 Benzo(a)pyrene	0.98300	0.97686	0.99402	1.02789	1.07610	1.06275		
	1.06523						1.02655	4.111
151 Indeno(1,2,3-cd)pyrene	0.73783	0.73267	0.73671	0.84698	0.84057	0.93730		
	0.97995						0.83029	12.151
152 Dibenzo(a,h)anthracene	0.88099	0.84384	0.87256	0.92240	0.95990	1.00944		
	1.00392						0.92758	7.071
153 Benzo(g,h,i)perylene	0.96025	0.98457	0.97380	0.99974	1.01731	1.05397		
	1.04026						1.00427	3.452
M 162 benzo b,k Fluoranthene Totals	2.03951	1.97605	2.02770	2.09825	2.09596	2.10729		
	2.13019						2.06785	2.649

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Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	RRF	% RSD
	160.000 Level 7							
$ 7 2-Fluorophenol	1.44503	1.30436	1.38373	1.44170	1.43535	1.42292		
	1.43635						1.40992	3.615
$ 8 Phenol-d5	1.72227	1.67335	1.74151	1.79006	1.80863	1.83864		
	1.83627						1.77296	3.520
$ 9 2-Chlorophenol-d4	1.47770	1.55530	1.53916	1.59414	1.57486	1.57967		
	1.57804						1.55698	2.524
$ 10 1,2-Dichlorobenzene-d4	0.95776	0.98111	0.99827	0.98914	0.99518	0.98547		
	0.98896						0.98513	1.356
$ 11 Nitrobenzene-d5	0.33028	0.34256	0.33065	0.34105	0.33606	0.35127		
	0.33970						0.33879	2.162
$ 12 2-Fluorobiphenyl	1.28499	1.26007	1.27668	1.34206	1.25854	1.29723		
	1.30010						1.28852	2.226
$ 13 2,4,6-Tribromophenol	0.15034	0.16527	0.17466	0.17926	0.17825	0.18501		
	0.18390						0.17381	7.052
$ 14 Terphenyl-d14	0.78508	0.78616	0.73917	0.80441	0.78047	0.81889		
	0.80107						0.78789	3.214

Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
Organic Prep Log
8270 Solids

Box # 1110N

Shared QC Batch: NA

Shares QC With: NA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Internal COC:	
Delivered to Inst.:	
Inst Receipt:	

Batch: 0324068
MS Run #: 0324035 NP 11-20-10
Prep Date: 11/20/2010
Method: QL 8270C
Matrix: A SOLID
Extraction: 13 SONICATION - Low Level
QC: D4 DOD QSM V4.X
SAC: QL - A - 13 - D4

Prep Reagents

Reagent	Supplier	Lot #
1:1 DCM:Acetone	NA	3640-69C
DCM	Baker	J36J14
Na2SO4	Baker	3640-69E

WS-OP-0001 35SOB

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size * 30g nom.	Final Volume 1mL	Final Volume Other	Analysis Hold Time Expires
G0K200000 - 68	B	MAC761AA	12/3/2010	30	✓		12/30/2010
G0K200000 - 68	C	MAC761AC	12/3/2010	30	✓		12/30/2010
G0K200425 - 6		MAC5P1AC	12/3/2010	31.35	✓		12/30/2010
G0K200425 - 6	S	MAC5P1AE	12/3/2010	29.46	✓		12/30/2010
G0K200425 - 6	D	MAC5P1AF	12/3/2010	30.71	✓		12/30/2010

* See attached sheet for sample volumes recorded from scale

Comments/NCMs: ~~Wt. Sheet # 101120A~~ NP 11-20-10

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Surrogate Spike All Samples	500uL 100P0263	04-20-11	NP	TP	11-20-10
Spike Mix LCS/LCSD/MS/MS	1mL 100P0289	05-15-11	NP	TP	11-20-10
Internal Standard All Samples	20mL 10MSV0438	11-19-11	[illegible]	[illegible]	11-21-10

Extraction Analyst/Date: NP 11-20-10
KD Analyst/Date: NP 11-20-10
Concentration Analyst/Date: NP 11-20-10
KD Temp: 80-85°C
Review Analyst/Date: 11-20-10

TestAmerica

West Sacramento
Soil Weight Worksheet

Batch Id: 101120A
Created date: 11/20/2010 11:27:08
Test Date: 11/20/2010

ANALYST: 2413
TEST: 8270 QL
BALANCE ID: QA-063

QuantIMS BATCH: 0324068

Group Comments:

Sample Id:	Weight (g)	Comments:
G0K200425-6	31.35	
G0K200425-6MS	29.46	
G0K200425-6MSD	30.71	

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 11/20/10
Time: 12:37:18

LEV 1	LEV 2		LEV 1	LEV 2		
_	_	Blank	_	_	Weights/Volumes	_ Expanded Deliverable
_	_	Check	_	_	Spike & Surrogate Worksheet	_ COC Completed
_	_	MS/MSD	_	_	Vial contains correct volume	_ Bench Sheet Copied
			_	_	Labels, greenbars, worksheets	_ Package Submitted to AnalyticalGroup
			_	_	computer batch: correct & all match	_ Bench Sheet Copied per COC
			_	_	Anomalies to Extraction Method	

Extractionist: _____

Concentrationist: _____

Reviewer/Date: _____ / 0/00/00

QC BATCH: 0324068

PREP DATE: 11/20/10 11:21
COMP DATE: 11/20/10 12:21

Base/Neutrals and Acids (8270C)
SONICATION - Low Level

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
12/03/10	12/09/10	G0K200425-006 **MAC5P-1-AC**	D	13	QL	SOLID	**31.35g** 1.00mL	NA	NA	NA	DCM:ACE	300.0		.0	500UL 100P0263
COMMENTS:															
12/03/10	12/09/10	G0K200425-006 **MAC5P-1-AES**	D	13	QL	SOLID	**29.46g** 1.00mL	NA	NA	NA	DCM:ACE	300.0		.0	1ML 100P0289 LCS 500UL 100P0263
COMMENTS:															
12/03/10	12/09/10	G0K200425-006 **MAC5P-1-AFD**	D	13	QL	SOLID	**30.71g** 1.00mL	NA	NA	NA	DCM:ACE	300.0		.0	1ML 100P0289 LCS 500UL 100P0263
COMMENTS:															
12/03/10	0/00/00	G0K200000-068 **MAC76-1-AAB**		13	QL	SOLID	**30g** 1.00mL	NA	NA	NA	DCM:ACE	300.0		.0	500UL 100P0263
COMMENTS:															
12/03/10	0/00/00	G0K200000-068 **MAC76-1-ACC**		13	QL	SOLID	**30g** 1.00mL	NA	NA	NA	DCM:ACE	300.0		.0	1ML 100P0289 LCS 500UL 100P0263
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
‡

NUMBER OF WORK ORDERS IN BATCH: 5

Test America West Sacramento (916) 373 - 5600

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0324068 **Test:** 8270 QL (S)

Prep Date: 11/20/10 **Holding Times:** 12/03/10 **NCM:** Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. **Holding times checked?** NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
B. Weights and Volumes		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
C. Standards and Reagents		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
D. Documentation		
1. Are all nonconformances documented appropriately?	NA	✓
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	

Spike witness: TP Date: 11/20/10

2nd Level Reviewer: [signature] Date: 11-20-10

Comments:

TestAmerica West Sacramento

GC/HPLC Data Review Checklist

Batch: 0324068 **Method ID:** Base/Neutrals and Acids (8270C)

NCM: Ⓝ N LabID 60K200425

A. Calibration/Instrument Run QC	Analyst	Reviewer	N/A
1. ICAL or ICAL Summary and CCV included.	✓	✓	
2. ICAL, CCV criteria met.	✓	✓	
3. Multiple-eluters (TPH-D, 8081A, 8082) ICAL/CCVs appropriate and within criteria	✓	✓	
4. CCVs every 10 samples/12 hours, all samples bracketed front and back.	✓	✓	
5. PEM frequency and criteria met.	✓	✓	
6. Peaks correctly ID'd by data system.	✓	✓	
7. Method Number is identified on data.	✓	✓	
B. QA/QC			
1. Method blank, LCS/LCSD and MS/SD frequencies met.	✓	✓	
2. LCS/LCSD and MB data is included.	✓	✓	
3. LCS/LCSD and MB data are within control limits. If not, NCM is present in Clouseau.	✓	✓	
4. MS/MSD data complete.	✓	✓	
5. Holding Times were met.	✓	✓	
C. Sample Analysis			
1. Logbook copies for all injections made, including ICV standards and ICAL.	✓	✓	
2. Logbooks/prep sheets properly filled out.	✓	✓	
3. Manual Integrations reviewed and appropriate.	✓		
4. All raw data for samples is included (applies to unused data as well)	✓	✓	
5. All analytes correctly reported.	✓	✓	
6. Correct reporting limits used. (based on client request, prep factors, and dilutions)	✓	✓	
D. Documentation			
1. Are all nonconformances documented appropriately?	✓	✓	
2. Quantims entry correct, including dates and times.	✓	✓	
3. Appropriate footnotes used.	✓	✓	
4. Report sheets included and error-free.	✓	✓	

Analyst: _____ Date: 11/22/10

2nd Level Reviewer: _____ Date: 11/22/10

Comments: _____

SOLID, D 2216-90, Percent Moisture

% Moisture/Solid Worksheet

QCBATCH: 0328193

Analyzed by: FRANCISF Report created: 11/25/10 9:35:49 AM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G0K200425-1	MAC5G1AA	1.32	13.07	11.74	1.33	11.32	88.68	0.1		11/25/10 9:33:55 AM
G0K200425-1	MAC5G1AE	1.32	15.20	13.66	1.54	11.10	88.90	0.1		11/25/10 9:34:13 AM
G0K200425-2	MAC5K1AA	1.33	16.87	15.73	1.14	7.34	92.66	0.1		11/25/10 9:34:22 AM
G0K200425-3	MAC5L1AA	1.33	19.23	17.67	1.56	8.72	91.28	0.1		11/25/10 9:34:32 AM
G0K200425-4	MAC5M1AA	1.35	16.32	14.90	1.42	9.49	90.51	0.1		11/25/10 9:34:41 AM
G0K200425-5	MAC5N1AA	1.33	11.67	10.28	1.39	13.44	86.56	0.1		11/25/10 9:34:48 AM
G0K200425-6	MAC5P1AA	1.34	12.64	11.08	1.56	13.81	86.19	0.1		11/25/10 9:34:58 AM
G0K200425-7	MAC5R1AA	1.33	15.15	13.60	1.55	11.22	88.78	0.1		11/25/10 9:35:05 AM
G0K200425-8	MAC5T1AA	1.33	15.49	14.25	1.24	8.76	91.24	0.1		11/25/10 9:35:13 AM
G0K200425-9	MAC5V1AA	1.33	10.98	9.76	1.22	12.64	87.36	0.1		11/25/10 9:35:21 AM
G0K200425-10	MAC571AA	1.33	15.42	13.52	1.90	13.48	86.52	0.1		11/25/10 9:35:29 AM
G0K200425-11	MAC591AA	1.34	9.64	8.61	1.03	12.41	87.59	0.1		11/25/10 9:35:36 AM
G0K200425-12	MAC6C1AA	1.34	11.32	10.19	1.13	11.32	88.68	0.1		11/25/10 9:35:44 AM

All weights are in grams.
Sample weights (wet & dry) include the weight (tare) of the sample pan.
Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).
% Water = (Wt. Diff/(sample wet weight - pan tare))*100
% Solid = 100 - percent Water

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

December 15, 2010

TestAmerica Project Number: G0L060468
PO#: 29-141-2956-01
Contract Number: N62473-09-D-2608

Heather Wollenburg
ERRG
115 Sansome Street
Suite 200
San Francisco, CA 94104

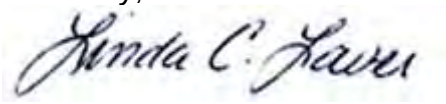
Dear Ms. Wollenburg,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on October 26, 2010. Additional analyses were requested on December 6, 2010. These samples are associated with your Hunters Point, IR07/18 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4362.

Sincerely,



Linda C. Laver
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G0L060468

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, CAWET/6010, STLC Metals
Samples: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23
- Sample Data Sheets
- Method Blank Report
- Laboratory QC Report

SOLID, 1311/6010, TCLP Metals
Samples: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24
- Sample Data Sheets
- Method Blank Report
- Laboratory QC Report

Partial Raw Data Package

Case Narrative

TestAmerica West Sacramento Project Number G0L060468

General Comments

These samples were received under chain of custody on October 26, 2010 d analytical results are reported in TestAmerica Lot # G0J260451. Additional analyses were requested by Ms. Wollenburg on December 6, 2010 and this report contains the data for the STLC and TCLP metals.

There are no other anomalies associated with this project.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G0L060468

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
MAXK4	1	SS-RP01	10/25/2010 08:30 AM	10/26/2010 09:50 AM
MAXQ6	2	SS-RP01	10/25/2010 08:30 AM	10/26/2010 09:50 AM
MAXQ7	3	SS-RP02	10/25/2010 08:45 AM	10/26/2010 09:50 AM
MAXQ8	4	SS-RP02	10/25/2010 08:45 AM	10/26/2010 09:50 AM
MAXQ9	5	SS-RP03	10/25/2010 09:05 AM	10/26/2010 09:50 AM
MAXRA	6	SS-RP03	10/25/2010 09:05 AM	10/26/2010 09:50 AM
MAXRC	7	SS-RP04	10/25/2010 09:30 AM	10/26/2010 09:50 AM
MAXRD	8	SS-RP04	10/25/2010 09:30 AM	10/26/2010 09:50 AM
MAXRE	9	SS-RP05	10/25/2010 09:15 AM	10/26/2010 09:50 AM
MAXRF	10	SS-RP05	10/25/2010 09:15 AM	10/26/2010 09:50 AM
MAXRG	11	SS-RP06	10/25/2010 12:15 PM	10/26/2010 09:50 AM
MAXRH	12	SS-RP06	10/25/2010 12:15 PM	10/26/2010 09:50 AM
MAXRJ	13	SS-RP07	10/25/2010 12:30 PM	10/26/2010 09:50 AM
MAXRK	14	SS-RP07	10/25/2010 12:30 PM	10/26/2010 09:50 AM
MAXRP	15	SS-RP08	10/25/2010 12:55 PM	10/26/2010 09:50 AM
MAXRQ	16	SS-RP08	10/25/2010 12:55 PM	10/26/2010 09:50 AM
MAXRR	17	SS-RP09	10/25/2010 12:40 PM	10/26/2010 09:50 AM
MAXRT	18	SS-RP09	10/25/2010 12:40 PM	10/26/2010 09:50 AM
MAXRV	19	SS-RP10	10/25/2010 12:50 PM	10/26/2010 09:50 AM
MAXRW	20	SS-RP10	10/25/2010 12:50 PM	10/26/2010 09:50 AM
MAXRX	21	SS-RP11	10/25/2010 12:20 PM	10/26/2010 09:50 AM
MAXR0	22	SS-RP11	10/25/2010 12:20 PM	10/26/2010 09:50 AM
MAXR1	23	SS-RP12	10/25/2010 12:00 PM	10/26/2010 09:50 AM
MAXR2	24	SS-RP12	10/25/2010 12:00 PM	10/26/2010 09:50 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis. color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SAMPLE RESUBMITTAL FORM
TestAmerica West Sacramento

Lot to be resubmitted	GOJ260451	New Lot number	GOL060468
Quote Number	86362	Project Manager	Linda Laver
Original Lot location	W12E	New Lot location	W12E
Date and time of resubmittal	12/06/10 8:02	Receipt Date	10/26/10
Resubmittal Turnaround Time	5-7 BD	Reciept Time	09:50

	Client ID	Sample Date	Sample Time	Analysis requested	Container type
1	SS-RP01	10/25/10	08:30	STLC Cr Ni	8oz jar
2	↓		↓	TCLP Cr	
3	SS-RP02		08:45	STLC Cr, Pb, Ni	
4	↓		↓	TCLP Cr, Pb	
5	SS-RP03		09:05	STLC, Cr, Ni	
6	↓		↓	TCLP Cr	
7	SS-RP04		09:30	STLC Cr, Pb, Ni	
8	↓		↓	TCLP Cr, Pb	
9	SS-RP05		09:15	STLC Cr, Pb, Ni	
10	↓		↓	TCLP Cr	
11	SS-RP06		12:15	STLC Cr, Pb, Ni	
12	↓		↓	TCLP Cr, Pb	
13	SS-RP07		12:30	STLC Cr, Pb, Ni	
14	↓		↓	TCLP Cr Pb	
15	SS-RP08		12:55	STLC, Cr, Cu, Pb, Ni	

Special Instructions STLC must be logged in as own Sample ID different than TCLP due to LIMS recognition. Please note that there should be 2 x 8oz. jars for each ~~sample~~ LA 12/6/10 client sample! If you do not have enough in one jar for the analysis please see PM for back up options.

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SAMPLE RESUBMITTAL FORM
TestAmerica West Sacramento

Lot to be resubmitted		New Lot number	
Quote Number		Project Manager	
Original Lot location		New Lot location	
Date and time of resubmittal		Receipt Date	
Resubmittal Turnaround Time		Reciept Time	

	Client ID	Sample Date	Sample Time	Analysis requested	Container type
1	SS-RP08	10/25/10	12:55	TCLP Cr, Pb	8 oz jars
2	SS-RP09	↓	12:40	STLC Cr, Pb, Ni	↓
3	↓	↓	↓	TCLP Cr, Pb	↓
4	SS-RP10	↓	12:50	STLC Cr, Cu, Pb, Ni	↓
5	↓	↓	↓	TCLP Cr	↓
6	SS-RP11	↓	12:20	STLC Cr, Pb	↓
7	↓	↓	↓	TCLP Cr, Pb	↓
8	SS-RP12	↓	12:00	STLC Cr Pb	↓
9	↓	↓	↓	TCLP Pb	↓
10					
11					
12					
13					
14					
15					

Special Instructions see notes on page 1 of 2

QA-381 EM 8/4/05

West Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
phone 916.374.4378 fax 916.372.1059

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: John Sourial	Site Contact: Heather Wollenburg	Date: 10/25/2010	COC No:
ERRG, Inc	Tel/Fax: (925) 522-9432	Lab Contact: L Laver	Carrier: Fed ex	1 of 1 COCs
115 Sansome St	Analysis Turnaround Time			Job No.
San Francisco, CA 94104	Calendar (C) or Work Days (W) C			
925-969-0750 Phone	TAT if different from Below 15 Day			SDG No.
925-969-0751 FAX	☐ 2 weeks			
Project Name: HPNS IR 07/18	☐ 1 week			
Site:	☐ 2 days			
29-141-2956-01	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Container: 8 Oz Jar	Container: Encore	Matrix	# of Cont.	Filtered Sample (Y/N)	VOCs 8260B	SVOC 8270C	Pesticides 8081A	PCBs 8082	TPH-g 8260B	TPH-d 8015B	Metals 6010C with Mercury 7471A			Sample Specific Notes:
SS-RP01	10/25/2010	0830	2	3	SOIL	5		X	X	X	X	X	X	X			
SS-RP02	10/25/2010	0845	2	3	SOIL	5		X	X	X	X	X	X	X			
SS-RP03	10/25/2010	0905	2	3	SOIL	5		X	X	X	X	X	X	X			
SS-RP04	10/25/2010	0930	6	9	SOIL	15		X	X	X	X	X	X	X			MS/MSD
SS-RP05	10/25/2010	0915	2	3	SOIL	5		X	X	X	X	X	X	X			
Trip Blank	10/25/10																

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
[X] *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* [X] *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: level III Deliverable, DOD Project include Mercury with Total Metals,

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
William Lelver	ERRG	10/25/10 1530	Fedex 7963 7821 8281	Fedex	10/25/10 1530
Relinquished by:	Company:	Date/Time:	Received by: Cheng Yue	Company: TAL WS	Date/Time: 10/26/10 - 1015
Relinquished by:	Company:	Date/Time.	Received by:	Company:	Date/Time:

West Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
phone 916.374.4378 fax 916 372.1059

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: John Sourial	Site Contact: Heather Wollenburg	Date: 10/25/2010	COC No.
ERRG, Inc	Tel/Fax: (925) 542-9432	Lab Contact: L Laver	Carrier: Fed ex	1 of 1 COCs
115 Sansome St	Analysis Turnaround Time			Job No.
San Francisco, CA 94104	Calendar (C) or Work Days (W) C			
925-969-0750 Phone	TAT if different from Below 15 Day			SDG No.
925-969-0751 FAX	☐ 2 weeks			
Project Name: HPNS IR 07/18	☐ 1 week			
Site.	☐ 2 days			
29-141-2956-01	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Container: 8 Oz Jar	Container: Encore	Matrix	# of Cont.	Filtered Sample (Y/N)	VOCs 8260B	SVOC 8270C	Pesticides 8081A	PCBs 8082	TPH-g 8260B	TPH-d 8015B	Metals 6010C with Mercury 7471A	Sample Specific Notes:
SS-RP06	10/25/2010	1215	2	3	SOIL	5		X	X	X	X	X	X	X	
SS-RP07	10/25/2010	1230	2	3	SOIL	5		X	X	X	X	X	X	X	
SS-RP08	10/25/2010	1235	2	3	SOIL	5		X	X	X	X	X	X	X	
SS-RP09	10/25/2010	1240	2	3	SOIL	5		X	X	X	X	X	X	X	
SS-RP10	10/25/2010	1250	2	3	SOIL	5		X	X	X	X	X	X	X	
SS-RP11	10/25/2010	1220	2	3	SOIL	5		X	X	X	X	X	X	X	
SS-RP12	10/25/2010	1200	2	3	SOIL	5		X	X	X	X	X	X	X	
Trip Blank	10/25/2010														

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
[X] *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* [X] *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: level III Deliverable, DOD Project include Mercury with Total Metals,

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
William Lillo	ERRG	10/25/10 1530	Fedex 7963 7821 8465	Fedex	10/25/10 1530
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
			Chong The	TAL WS	10/26/10 - 1015
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT ERRG PM LL LOG # 67794

LOT# (QUANTIMS ID) ~~G0926045~~ G0L060468 CV 12/6/10 QUOTE# 86362 LOCATION W12E Cart

Checked (✓)

DATE RECEIVED 10/26/10 TIME RECEIVED 0950 ☑

DELIVERED BY ☑ FEDEX ☐ ON TRAC ☐ CLIENT

☐ GOLDENSTATE ☐ UPS ☐ GO-GETTERS ☐ OTHER

☐ TAL COURIER ☐ TAL SF ☐ VALLEY LOGISTICS ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A CV 10/26/10 ☑

CUSTODY SEAL #(S) _____

SHIPPPING CONTAINER(S) ☐ TAL ☐ CLIENT ☐ N/A ☑

COC #(S) See Multi cooler checklist ☑

TEMPERATURE BLANK Observed: _____ Corrected: _____

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: _____ Average _____ Corrected Average _____

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☐ #5 ☑ ☐ OTHER _____ ☑

CV 10/26/10
Initials Date

---

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☑

LABELS CHECKED BY..... ☑

PEER REVIEW _____ ☑ NA

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING ☑

WETCHEM ☑ N/A ☑

VOA-ENCORES ☐ N/A ☑

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A ☑

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A ☑

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

CV 12/6/10 ~~10/26/10~~ CV 12/6/10
Initials Date

Notes Resubmittal

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

MULTI COOLER RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT: ERRG LOT# (QUANTIMS ID): G0L060468 ~~G0J26045~~ CV 12/6/10

Checked (✓)

TEMPERTURE RECORD (IN °C) IR 4 ☑ 5 ☐ ☐ OTHER _____ ☑

COOLER ID 1 ~~ERRG~~ CV 10/26/10 ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A ☐

CUSTODY SEAL #(S) NA ☑

COC #(S) NA

TEMPERATURE BLANK: OBSERVED: NA CORRECTED _____ ☑

SAMPLE TEMPERATURE:

OBSERVED: 3 2 3 AVERAGE: 3 CORRECTED 3 ☑

SAMPLES / TESTS (IF NCM REQUIRED): _____ ☑

TEMPERTURE RECORD (IN °C) IR 4 ☑ 5 ☐ ☐ OTHER _____ ☑

COOLER ID 2 ☑

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A ☑

CUSTODY SEAL #(S) NA ☑

COC #(S) NA

TEMPERATURE BLANK: OBSERVED: NA CORRECTED _____ ☑

SAMPLE TEMPERATURE:

OBSERVED: 2 2 1 AVERAGE: 2 CORRECTED 2 ☑

SAMPLES / TESTS (IF NCM REQUIRED): _____ ☑ CV 10/26/10

TEMPERTURE RECORD (IN °C) IR 4 ☐ 5 ☐ ☑ OTHER _____ ☐

COOLER ID _____ ☐

CUSTODY SEAL STATUS ☐ INTACT ☑ BROKEN ☐ N/A ☐

CUSTODY SEAL #(S) _____ ☐

COC #(S) _____

TEMPERATURE BLANK: OBSERVED: _____ CORRECTED _____ ☐

SAMPLE TEMPERATURE:

OBSERVED: _____ AVERAGE: _____ CORRECTED _____ ☐

SAMPLES / TESTS (IF NCM REQUIRED): _____ ☐

CV 10/26/10

Initials _____ Date _____

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

QA-185 1/06 RKE, Page 2

testAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G0L060468

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

1 of 2

QA-185 10/09 RKE, Page 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G0L060468

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ	1	1	1	1																
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

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SOLID, CAWET/6010, STLC Metals

ERRG

Client Sample ID: SS-RP01

STLC Metals

Lot-Sample #...: G0L060468-001 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	0.78	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXK41AA
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	7.1	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXK41AC
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP02

STLC Metals

Lot-Sample #...: G0L060468-003 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	0.39	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXQ71AA
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	2.9	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXQ71AD
		Dilution Factor: 1		MDL.....: 0.015		
Lead	6.9	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXQ71AC
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP03

STLC Metals

Lot-Sample #...: G0L060468-005 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	0.81	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXQ91AA
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	6.4	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXQ91AC
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures CCR Title 22.

ERRG

Client Sample ID: SS-RP04

STLC Metals

Lot-Sample #...: G0L060468-007 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	0.54	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRC1AA
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	3.6	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRC1AD
		Dilution Factor: 1		MDL.....: 0.015		
Lead	6.4	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRC1AC
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP05

STLC Metals

Lot-Sample #...: G0L060468-009 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	0.67	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRE1AA
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	5.8	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRE1AD
		Dilution Factor: 1		MDL.....: 0.015		
Lead	3.0	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRE1AC
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP06

STLC Metals

Lot-Sample #...: G0L060468-011 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/07/10 **Leach Batch #..:** P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	**0.59**	**0.10**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRG1AA**
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	**3.9**	**0.10**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRG1AD**
		Dilution Factor: 1		MDL.....: 0.015		
Lead	**6.8**	**0.10**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRG1AC**
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP07

STLC Metals

Lot-Sample #...: G0L060468-013 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	1.1	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRJ1AA
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	5.5	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRJ1AD
		Dilution Factor: 1		MDL.....: 0.015		
Lead	3.2	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRJ1AC
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP08

STLC Metals

Lot-Sample #...: G0L060468-015 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	0.63	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRP1AA
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	2.8	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRP1AE
		Dilution Factor: 1		MDL.....: 0.015		
Copper	22.2	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRP1AC
		Dilution Factor: 1		MDL.....: 0.025		
Lead	5.5	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRP1AD
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP09

STLC Metals

Lot-Sample #...: G0L060468-017 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/07/10 **Leach Batch #..:** P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	**0.41**	**0.10**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRR1AA**
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	**2.4**	**0.10**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRR1AD**
		Dilution Factor: 1		MDL.....: 0.015		
Lead	**4.1**	**0.10**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRR1AC**
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP10

STLC Metals

Lot-Sample #...: G0L060468-019 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	0.28	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRV1AA
		Dilution Factor: 1		MDL.....: 0.030		
Nickel	2.1	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRV1AE
		Dilution Factor: 1		MDL.....: 0.015		
Copper	9.6	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRV1AC
		Dilution Factor: 1		MDL.....: 0.025		
Lead	2.4	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRV1AD
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP11

STLC Metals

Lot-Sample #...: G0L060468-021 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/07/10 **Leach Batch #..:** P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	**0.38**	**0.10**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRX1AA**
		Dilution Factor: 1		MDL.....: 0.030		
Lead	**4.5**	**0.10**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRX1AC**
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

ERRG

Client Sample ID: SS-RP12

STLC Metals

Lot-Sample #...: G0L060468-023 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343147						
Chromium	0.45	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXR11AA
		Dilution Factor: 1		MDL.....: 0.030		
Lead	6.8	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXR11AC
		Dilution Factor: 1		MDL.....: 0.015		

NOTE(S):

Soluable Threshold Limit Concentration (STLC) done in accordance with App II: Waste Extraction procedures. CCR Title 22.

QC DATA ASSOCIATION SUMMARY

G0L060468

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 6010B	P034304	0343147	0343098
002	SOLID	SW846 6010B	P034211	0342205	0342117
003	SOLID	SW846 6010B	P034304	0343147	0343098
004	SOLID	SW846 6010B	P034211	0342205	0342117
005	SOLID	SW846 6010B	P034304	0343147	0343098
006	SOLID	SW846 6010B	P034211	0342205	0342117
007	SOLID	SW846 6010B	P034304	0343147	0343098
008	SOLID	SW846 6010B	P034211	0342205	0342117
009	SOLID	SW846 6010B	P034304	0343147	0343098
010	SOLID	SW846 6010B	P034305	0343159	0343106
011	SOLID	SW846 6010B	P034304	0343147	0343098
012	SOLID	SW846 6010B	P034305	0343159	0343106
013	SOLID	SW846 6010B	P034304	0343147	0343098
014	SOLID	SW846 6010B	P034305	0343159	0343106
015	SOLID	SW846 6010B	P034304	0343147	0343098
016	SOLID	SW846 6010B	P034305	0343159	0343106
017	SOLID	SW846 6010B	P034304	0343147	0343098
018	SOLID	SW846 6010B	P034305	0343159	0343106
019	SOLID	SW846 6010B	P034304	0343147	0343098
020	SOLID	SW846 6010B	P034305	0343159	0343106
021	SOLID	SW846 6010B	P034304	0343147	0343098

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G0L060468

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
022	SOLID	SW846 6010B	P034305	0343159	0343106
023	SOLID	SW846 6010B	P034304	0343147	0343098
024	SOLID	SW846 6010B	P034305	0343159	0343106

METHOD BLANK REPORT

STLC Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G0L090000-147 **Prep Batch #...:** 0343147						
Chromium	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MA3T11AA
		Dilution Factor: 1				
Nickel	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MA3T11AE
		Dilution Factor: 1				
Copper	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MA3T11AC
		Dilution Factor: 1				
Lead	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MA3T11AD
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

STLC Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G0L090000-147 **Prep Batch #...:** 0343147					
Chromium	97	(75 - 125)	SW846 6010B	12/09-12/10/10	MA3T11AF
		Dilution Factor: 1			
Nickel	95	(75 - 125)	SW846 6010B	12/09-12/10/10	MA3T11AJ
		Dilution Factor: 1			
Copper	98	(75 - 125)	SW846 6010B	12/09-12/10/10	MA3T11AG
		Dilution Factor: 1			
Lead	88	(75 - 125)	SW846 6010B	12/09-12/10/10	MA3T11AH
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

STLC Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G0L090000-147 **Prep Batch #...:** 0343147							
Chromium	2.00	1.93	mg/L	97	SW846 6010B	12/09-12/10/10	MA3T11AF
			Dilution Factor: 1				
Nickel	5.00	4.76	mg/L	95	SW846 6010B	12/09-12/10/10	MA3T11AJ
			Dilution Factor: 1				
Copper	2.50	2.45	mg/L	98	SW846 6010B	12/09-12/10/10	MA3T11AG
			Dilution Factor: 1				
Lead	5.00	4.42	mg/L	88	SW846 6010B	12/09-12/10/10	MA3T11AH
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

STLC Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G0L060468-015 **Prep Batch #...:** 0343147							
Leach Date.....: 12/07/10 **Leach Batch #..:** P034304 **% Moisture.....:**							
Chromium	96	(75 - 125)			SW846 6010B	12/09-12/10/10	MAXRP1AG
	94	(75 - 125)	1.6	(0-20)	SW846 6010B	12/09-12/10/10	MAXRP1AH
		Dilution Factor: 1					
Nickel	94	(75 - 125)			SW846 6010B	12/09-12/10/10	MAXRP1AN
	92	(75 - 125)	1.3	(0-20)	SW846 6010B	12/09-12/10/10	MAXRP1AP
		Dilution Factor: 1					
Copper	98	(75 - 125)			SW846 6010B	12/09-12/10/10	MAXRP1AJ
	83	(75 - 125)	1.6	(0-20)	SW846 6010B	12/09-12/10/10	MAXRP1AK
		Dilution Factor: 1					
Lead	91	(75 - 125)			SW846 6010B	12/09-12/10/10	MAXRP1AL
	83	(75 - 125)	4.1	(0-20)	SW846 6010B	12/09-12/10/10	MAXRP1AM
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

STLC Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G0L060468-015 **Prep Batch #...:** 0343147									
Leach Date.....: 12/07/10 **Leach Batch #..:** P034304 **% Moisture.....:**									
Chromium									
	0.63	2.00	2.55	mg/L	96		SW846 6010B	12/09-12/10/10	MAXRP1AG
	0.63	2.00	2.51	mg/L	94	1.6	SW846 6010B	12/09-12/10/10	MAXRP1AH
			Dilution Factor: 1						
Nickel									
	2.8	5.00	7.53	mg/L	94		SW846 6010B	12/09-12/10/10	MAXRP1AN
	2.8	5.00	7.43	mg/L	92	1.3	SW846 6010B	12/09-12/10/10	MAXRP1AP
			Dilution Factor: 1						
Copper									
	22.2	2.50	24.6	mg/L	98		SW846 6010B	12/09-12/10/10	MAXRP1AJ
	22.2	2.50	24.3	mg/L	83	1.6	SW846 6010B	12/09-12/10/10	MAXRP1AK
			Dilution Factor: 1						
Lead									
	5.5	5.00	10.0	mg/L	91		SW846 6010B	12/09-12/10/10	MAXRP1AL
	5.5	5.00	9.60	mg/L	83	4.1	SW846 6010B	12/09-12/10/10	MAXRP1AM
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SOLID, 1311/6010, TCLP Metals

ERRG

Client Sample ID: SS-RP01

TCLP Metals

Lot-Sample #...: G0L060468-002 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/07/10 Leach Batch #..: P034211

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0342205						
Chromium	0.0070 J	0.10	mg/L	SW846 6010B	12/08-12/10/10	MAXQ61AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

ERRG

Client Sample ID: SS-RP02

TCLP Metals

Lot-Sample #...: G0L060468-004 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/07/10 **Leach Batch #..:** P034211

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0342205						
Lead	**0.11 J**	**0.50**	**mg/L**	**SW846 6010B**	**12/08-12/10/10**	**MAXQ81AC**
		Dilution Factor: 1		MDL.....: 0.012		
Chromium	ND	0.10	mg/L	SW846 6010B	12/08-12/10/10	MAXQ81AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

ERRG

Client Sample ID: SS-RP03

TCLP Metals

Lot-Sample #...: G0L060468-006 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/07/10 **Leach Batch #..:** P034211

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0342205						
Chromium	ND	0.10	mg/L	SW846 6010B	12/08-12/10/10	MAXRA1AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

ERRG

Client Sample ID: SS-RP04

TCLP Metals

Lot-Sample #...: G0L060468-008 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/07/10 **Leach Batch #..:** P034211

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0342205						
Lead	**0.49 J**	**0.50**	**mg/L**	**SW846 6010B**	**12/08-12/10/10**	**MAXRD1AC**
		Dilution Factor: 1		MDL.....: 0.012		
Chromium	ND	0.10	mg/L	SW846 6010B	12/08-12/10/10	MAXRD1AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

ERRG

Client Sample ID: SS-RP05

TCLP Metals

Lot-Sample #...: G0L060468-010 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/08/10 Leach Batch #..: P034305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343159						
Chromium	0.0061 J	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRF1AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

ERRG

Client Sample ID: SS-RP06

TCLP Metals

Lot-Sample #...: G0L060468-012 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/08/10 **Leach Batch #..:** P034305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343159						
Lead	**0.14 J**	**0.50**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRH1AC**
		Dilution Factor: 1		MDL.....: 0.012		
Chromium	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRH1AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

ERRG

Client Sample ID: SS-RP07

TCLP Metals

Lot-Sample #...: G0L060468-014 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/08/10 **Leach Batch #..:** P034305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343159						
Lead	**0.023 J**	**0.50**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRK1AC**
		Dilution Factor: 1		MDL.....: 0.012		
Chromium	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRK1AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

ERRG

Client Sample ID: SS-RP08

TCLP Metals

Lot-Sample #...: G0L060468-016 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/08/10 **Leach Batch #..:** P034305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343159						
Lead	**0.064 J**	**0.50**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRQ1AC**
		Dilution Factor: 1		MDL.....: 0.012		
Chromium	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRQ1AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

ERRG

Client Sample ID: SS-RP09

TCLP Metals

Lot-Sample #...: G0L060468-018 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/08/10 Leach Batch #..: P034305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343159						
Lead	**0.077 J**	**0.50**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXRT1AC**
		Dilution Factor: 1		MDL.....: 0.012		
Chromium	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRT1AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

ERRG

Client Sample ID: SS-RP10

TCLP Metals

Lot-Sample #...: G0L060468-020 Matrix.....: SOLID
Date Sampled...: 10/25/10 Date Received..: 10/26/10
Leach Date.....: 12/08/10 Leach Batch #..: P034305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343159						
Chromium	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXRW1AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

ERRG

Client Sample ID: SS-RP11

TCLP Metals

Lot-Sample #...: G0L060468-022 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/08/10 **Leach Batch #..:** P034305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343159						
Lead	**0.051 J**	**0.50**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXR01AC**
		Dilution Factor: 1		MDL.....: 0.012		
Chromium	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MAXR01AA
		Dilution Factor: 1		MDL.....: 0.0060		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

ERRG

Client Sample ID: SS-RP12

TCLP Metals

Lot-Sample #...: G0L060468-024 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10
Leach Date.....: 12/08/10 **Leach Batch #..:** P034305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0343159						
Lead	**0.14 J**	**0.50**	**mg/L**	**SW846 6010B**	**12/09-12/10/10**	**MAXR21AA**
		Dilution Factor: 1		MDL.....: 0.012		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

G0L060468

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 6010B	P034304	0343147	0343098
002	SOLID	SW846 6010B	P034211	0342205	0342117
003	SOLID	SW846 6010B	P034304	0343147	0343098
004	SOLID	SW846 6010B	P034211	0342205	0342117
005	SOLID	SW846 6010B	P034304	0343147	0343098
006	SOLID	SW846 6010B	P034211	0342205	0342117
007	SOLID	SW846 6010B	P034304	0343147	0343098
008	SOLID	SW846 6010B	P034211	0342205	0342117
009	SOLID	SW846 6010B	P034304	0343147	0343098
010	SOLID	SW846 6010B	P034305	0343159	0343106
011	SOLID	SW846 6010B	P034304	0343147	0343098
012	SOLID	SW846 6010B	P034305	0343159	0343106
013	SOLID	SW846 6010B	P034304	0343147	0343098
014	SOLID	SW846 6010B	P034305	0343159	0343106
015	SOLID	SW846 6010B	P034304	0343147	0343098
016	SOLID	SW846 6010B	P034305	0343159	0343106
017	SOLID	SW846 6010B	P034304	0343147	0343098
018	SOLID	SW846 6010B	P034305	0343159	0343106
019	SOLID	SW846 6010B	P034304	0343147	0343098
020	SOLID	SW846 6010B	P034305	0343159	0343106
021	SOLID	SW846 6010B	P034304	0343147	0343098

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G0L060468

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
022	SOLID	SW846 6010B	P034305	0343159	0343106
023	SOLID	SW846 6010B	P034304	0343147	0343098
024	SOLID	SW846 6010B	P034305	0343159	0343106

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G0L080000-205 **Prep Batch #...:** 0342205						
Lead	ND	0.50	mg/L	SW846 6010B	12/08-12/10/10	MA1QX1AC
		Dilution Factor: 1				
Chromium	ND	0.10	mg/L	SW846 6010B	12/08-12/10/10	MA1QX1AA
		Dilution Factor: 1				
MB Lot-Sample #: G0L090000-159 **Prep Batch #...:** 0343159						
Lead	ND	0.50	mg/L	SW846 6010B	12/09-12/10/10	MA31E1AC
		Dilution Factor: 1				
Chromium	ND	0.10	mg/L	SW846 6010B	12/09-12/10/10	MA31E1AA
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G0L080000-205 **Prep Batch #...:** 0342205					
Lead	93	(80 - 120)	SW846 6010B	12/08-12/10/10	MA1QX1AE
		Dilution Factor: 1			
Chromium	97	(80 - 120)	SW846 6010B	12/08-12/10/10	MA1QX1AD
		Dilution Factor: 1			
LCS Lot-Sample#: G0L090000-159 **Prep Batch #...:** 0343159					
Lead	94	(80 - 120)	SW846 6010B	12/09-12/10/10	MA31E1AE
		Dilution Factor: 1			
Chromium	97	(80 - 120)	SW846 6010B	12/09-12/10/10	MA31E1AD
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G0L080000-205 **Prep Batch #...:** 0342205							
Lead	2.50	2.33	mg/L	93	SW846 6010B	12/08-12/10/10	MA1QX1AE
			Dilution Factor: 1				
Chromium	1.00	0.973	mg/L	97	SW846 6010B	12/08-12/10/10	MA1QX1AD
			Dilution Factor: 1				
LCS Lot-Sample#: G0L090000-159 **Prep Batch #...:** 0343159							
Lead	2.50	2.35	mg/L	94	SW846 6010B	12/09-12/10/10	MA31E1AE
			Dilution Factor: 1				
Chromium	1.00	0.975	mg/L	97	SW846 6010B	12/09-12/10/10	MA31E1AD
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G0L060468-004 **Prep Batch #...:** 0342205							
Leach Date.....: 12/07/10 **Leach Batch #..:** P034211							
Lead	89	(80 - 120)			SW846 6010B	12/08-12/10/10	MAXQ81AG
	90	(80 - 120)	1.3	(0-20)	SW846 6010B	12/08-12/10/10	MAXQ81AH
		Dilution Factor: 1					
Chromium	94	(80 - 120)			SW846 6010B	12/08-12/10/10	MAXQ81AE
	95	(80 - 120)	0.67	(0-20)	SW846 6010B	12/08-12/10/10	MAXQ81AF
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G0L060468-004 **Prep Batch #...:** 0342205									
Leach Date.....: 12/07/10 **Leach Batch #..:** P034211									
Lead									
	0.11	2.50	2.33	mg/L	89		SW846 6010B	12/08-12/10/10	MAXQ81AG
	0.11	2.50	2.36	mg/L	90	1.3	SW846 6010B	12/08-12/10/10	MAXQ81AH
			Dilution Factor: 1						
Chromium									
	ND	1.00	0.946	mg/L	94		SW846 6010B	12/08-12/10/10	MAXQ81AE
	ND	1.00	0.952	mg/L	95	0.67	SW846 6010B	12/08-12/10/10	MAXQ81AF
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G0L060468-012 **Prep Batch #...:** 0343159							
Leach Date.....: 12/08/10 **Leach Batch #..:** P034305							
Lead	92	(80 - 120)			SW846 6010B	12/09-12/10/10	MAXRH1AG
	91	(80 - 120)	1.3	(0-20)	SW846 6010B	12/09-12/10/10	MAXRH1AH
		Dilution Factor: 1					
Chromium	96	(80 - 120)			SW846 6010B	12/09-12/10/10	MAXRH1AE
	96	(80 - 120)	0.26	(0-20)	SW846 6010B	12/09-12/10/10	MAXRH1AF
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: G0L060468 **Matrix.....:** SOLID
Date Sampled...: 10/25/10 **Date Received..:** 10/26/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G0L060468-012 **Prep Batch #...:** 0343159									
Leach Date.....: 12/08/10 **Leach Batch #..:** P034305									
Lead									
	0.14	2.50	2.44	mg/L	92		SW846 6010B	12/09-12/10/10	MAXRH1AG
	0.14	2.50	2.41	mg/L	91	1.3	SW846 6010B	12/09-12/10/10	MAXRH1AH
			Dilution Factor: 1						
Chromium									
	ND	1.00	0.958	mg/L	96		SW846 6010B	12/09-12/10/10	MAXRH1AE
	ND	1.00	0.961	mg/L	96	0.26	SW846 6010B	12/09-12/10/10	MAXRH1AF
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SOLID, CAWET/6010, STLC Metals and 1311/6010, TCLP Metals

Calibration Verification Summary

TAL West Sac

RUN SUMMARY

Method: 6010 PE ICP2 (P05) 463 Reported: 12/13/10 10:41:27

File ID: DEC1010A2X.csv Analyst: ionesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Calib_Blank_'				1.0	12/10/10 14:39		☐
2	Calib_Std_1				1.0	12/10/10 14:43		☐
3	Calib_Std_2				1.0	12/10/10 14:45		☐
4	Calib_Std_3				1.0	12/10/10 14:48		☐
5	Calib_Std_4				1.0	12/10/10 14:52		☐
6	LR Std				1.0	12/10/10 14:55		☐
7	ICV4				1.0	12/10/10 15:01		☐
8	ICV2A				1.0	12/10/10 15:05		☐
9	ICB				1.0	12/10/10 15:11		☐
10	LL1				1.0	12/10/10 15:15		☐
11	LL2				1.0	12/10/10 15:19		☐
12	ICSA				1.0	12/10/10 15:23		☐
13	ICSAB_4.0				1.0	12/10/10 15:29		☐
14	LL-Pb				1.0	12/10/10 15:36		☐
15	Al 1000ppm				1.0	12/10/10 15:40		☐
16	Ca 1000ppm				1.0	12/10/10 15:47		☐
17	Fe 1000ppm				1.0	12/10/10 15:53		☐
18	Mg 1000ppm				1.0	12/10/10 15:59		☐
19	Na 500ppm				1.0	12/10/10 16:06		☐
20	CCV				1.0	12/10/10 16:14		☐
21	CCB				1.0	12/10/10 16:18		☐
22	MAQ12B	G0L020000	0336249	46	1.0	12/10/10 16:22		☐
23	MAQ12C	G0L020000	0336249	46	1.0	12/10/10 16:26		☐
24	MAQ12L	G0L020000	0336249	46	1.0	12/10/10 16:29		☐
25	MAMN9	G0K300444-1	0336249	46	1.0	12/10/10 16:35		☐
26	MAMN9P5	G0K300444	0336249		5.0	12/10/10 16:39		☐
27	MAMN9Z	G0K300444-1	0336249		1.0	12/10/10 16:43		☐
28	MAMPR	G0K300444-3	0336249	46	1.0	12/10/10 16:49		☐
29	MAMRA	G0K300444-5	0336249	46	1.0	12/10/10 16:54		☐
30	MAMRH	G0K300444-7	0336249	46	1.0	12/10/10 16:57		☐
31	MAMR2	G0K300444-9	0336249	46	1.0	12/10/10 17:01		☐
32	CCV				1.0	12/10/10 17:09		☐
33	CCB				1.0	12/10/10 17:14		☐
34	MAR1QB	G0L020000	0336438	46	1.0	12/10/10 17:17		☐
35	MAR1QC	G0L020000	0336438	46	1.0	12/10/10 17:21		☐
36	MAN34	G0L010485-11	0336438	46	1.0	12/10/10 17:27		☐
37	MAN34P5	G0L010485	0336438		5.0	12/10/10 17:31		☐
38	MAN34Z	G0L010485-11	0336438		1.0	12/10/10 17:35		☐
39	MAN34S	G0L010485-11	0336438	46	1.0	12/10/10 17:39		☐
40	MAN34D	G0L010485-11	0336438	46	1.0	12/10/10 17:43		☐
41	MAN3M	G0L010485-1	0336438	46	1.0	12/10/10 17:49		☐
42	CCV				1.0	12/10/10 17:57		☐
43	CCB				1.0	12/10/10 18:01		☐
44	MAN3R	G0L010485-3	0336438	46	1.0	12/10/10 18:05		☐
45	MAN3V	G0L010485-5	0336438	46	1.0	12/10/10 18:09		☐
46	MAN3X	G0L010485-7	0336438	46	1.0	12/10/10 18:13		☐

Method: 6010 | PE ICP2 (P05) | Reported: 12/13/10 10:41:27

File ID: DEC1010A2X.csv Analyst: jonesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
47	MAN32	G0L010485-9	0336438	46	1.0	12/10/10 18:17		☐
48	MAN37	G0L010485-13	0336438	46	1.0	12/10/10 18:22		☐
49	MAN4D	G0L010485-15	0336438	46	1.0	12/10/10 18:25		☐
50	MAN4G	G0L010485-17	0336438	46	1.0	12/10/10 18:29		☐
51	MAN4M	G0L010485-19	0336438	46	1.0	12/10/10 18:33		☐
52	CCV				1.0	12/10/10 18:41		☐
53	CCB				1.0	12/10/10 18:45		☐
54	MA31EBT	G0L090000	0343159	34	1.0	12/10/10 18:49		☐
55	MA31ECT	G0L090000	0343159	34	1.0	12/10/10 18:53		☐
56	MAXRHT	G0L060468-12	0343159	34	1.0	12/10/10 18:59		☐
57	MAXRHP5T	G0L060468	0343159		5.0	12/10/10 19:03		☐
58	MAXRHZT	G0L060468-12	0343159		1.0	12/10/10 19:07		☐
59	MAXRHST	G0L060468-12	0343159	34	1.0	12/10/10 19:11		☐
60	MAXRHDT	G0L060468-12	0343159	34	1.0	12/10/10 19:14		☐
61	CCV				1.0	12/10/10 19:20		☐
62	CCB				1.0	12/10/10 19:24		☐
63	MAXRFT	G0L060468-10	0343159	34	1.0	12/10/10 19:28		☐
64	MAXRKT	G0L060468-14	0343159	34	1.0	12/10/10 19:32		☐
65	MAXRQT	G0L060468-16	0343159	34	1.0	12/10/10 19:36		☐
66	MAXRTT	G0L060468-18	0343159	34	1.0	12/10/10 19:40		☐
67	MAXRWT	G0L060468-20	0343159	34	1.0	12/10/10 19:45		☐
68	MAXR0T	G0L060468-22	0343159	34	1.0	12/10/10 19:49		☐
69	MAXR2T	G0L060468-24	0343159	34	1.0	12/10/10 19:53		☐
70	CCV				1.0	12/10/10 19:59		☐
71	CCB				1.0	12/10/10 20:03		☐
72	MA1QXBT	G0L080000	0342205	34	1.0	12/10/10 20:07		☐
73	MA1QXCT	G0L080000	0342205	34	1.0	12/10/10 20:11		☐
74	MAXQ8T	G0L060468-4	0342205	34	1.0	12/10/10 20:17		☐
75	MAXQ8P5T	G0L060468	0342205		5.0	12/10/10 20:21		☐
76	MAXQ8ZT	G0L060468-4	0342205		1.0	12/10/10 20:25		☐
77	MAXQ8ST	G0L060468-4	0342205	34	1.0	12/10/10 20:29		☐
78	MAXQ8DT	G0L060468-4	0342205	34	1.0	12/10/10 20:33		☐
79	CCV				1.0	12/10/10 20:38		☐
80	CCB				1.0	12/10/10 20:43		☐
81	MAXQ6T	G0L060468-2	0342205	34	1.0	12/10/10 20:47		☐
82	MAXRAT	G0L060468-6	0342205	34	1.0	12/10/10 20:51		☐
83	MAXRDT	G0L060468-8	0342205	34	1.0	12/10/10 20:55		☐
84	MAXLJT	G0L060469-2	0342205	34	1.0	12/10/10 20:59		☐
85	MAXLLT	G0L060469-4	0342205	34	1.0	12/10/10 21:03		☐
86	MAXLNT	G0L060469-6	0342205	34	1.0	12/10/10 21:07		☐
87	MAXPQT	G0L060469-8	0342205	34	1.0	12/10/10 21:11		☐
88	MAXPWT	G0L060469-11	0342205	34	1.0	12/10/10 21:15		☐
89	CCV				1.0	12/10/10 21:22		☐
90	CCB				1.0	12/10/10 21:26		☐
91	MA3T1BM	G0L090000	0343147	5G	1.0	12/10/10 21:30		☐
92	MA3T1CM	G0L090000	0343147	5G	1.0	12/10/10 21:34		☐

Method: 6010 PE ICP2 (P05) Reported: 12/13/10 10:41:27

File ID: DEC1010A2X.csv Analyst: jonesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
93	MAXRPM	G0L060468-15	0343147	5G	1.0	12/10/10 21:40		☐
94	MAXRPP5M	G0L060468	0343147		5.0	12/10/10 21:44		☐
95	MAXRPSM	G0L060468-15	0343147	5G	1.0	12/10/10 21:48		☐
96	MAXRPDM	G0L060468-15	0343147	5G	1.0	12/10/10 21:52		☐
97	MAXK4M	G0L060468-1	0343147	5G	1.0	12/10/10 21:57		☐
98	MAXQ7M	G0L060468-3	0343147	5G	1.0	12/10/10 22:01		☐
99	MAXQ9M	G0L060468-5	0343147	5G	1.0	12/10/10 22:09		☐
100	CCV				1.0	12/10/10 22:18		☐
101	CCB				1.0	12/10/10 22:22		☐
102	MAXRCM	G0L060468-7	0343147	5G	1.0	12/10/10 22:26		☐
103	MAXREM	G0L060468-9	0343147	5G	1.0	12/10/10 22:30		☐
104	MAXRGM	G0L060468-11	0343147	5G	1.0	12/10/10 22:34		☐
105	MAXRJM	G0L060468-13	0343147	5G	1.0	12/10/10 22:38		☐
106	MAXRRM	G0L060468-17	0343147	5G	1.0	12/10/10 22:42		☐
107	MAXRVM	G0L060468-19	0343147	5G	1.0	12/10/10 22:46		☐
108	MAXRXM	G0L060468-21	0343147	5G	1.0	12/10/10 22:50		☐
109	MAXR1M	G0L060468-23	0343147	5G	1.0	12/10/10 22:54		☐
110	MA16PBM	G0L080000	0342260	5G	1.0	12/10/10 23:02		☐
111	MA16PCM	G0L080000	0342260	5G	1.0	12/10/10 23:08		☐
112	CCV				1.0	12/10/10 23:14		☐
113	CCB				1.0	12/10/10 23:18		☐
114	MAXLKM	G0L060469-3	0342260	5G	1.0	12/10/10 23:22		☐
115	MAXLKP5M	G0L060469	0342260		5.0	12/10/10 23:26		☐
116	MAXLKSM	G0L060469-3	0342260	5G	1.0	12/10/10 23:30		☐
117	MAXLKDM	G0L060469-3	0342260	5G	1.0	12/10/10 23:34		☐
118	MAXLFM	G0L060469-1	0342260	5G	1.0	12/10/10 23:40		☐
119	MAXLMM	G0L060469-5	0342260	5G	1.0	12/10/10 23:44		☐
120	MAXPNM	G0L060469-7	0342260	5G	1.0	12/10/10 23:48		☐
121	MAXPRM	G0L060469-9	0342260	5G	1.0	12/10/10 23:52		☐
122	MAXPVM	G0L060469-10	0342260	5G	1.0	12/10/10 23:56		☐
123	CCV				1.0	12/11/10 00:03		☐
124	CCB				1.0	12/11/10 00:07		☐

Method: 6010 () PE ICP2 (P05) Reported: 12/13/10 10:41:27

File ID: DEC1010A2X.csv Analyst: ionesb

#	Sample ID	Analyzed Date	Y_ Axial	Y_ Radial	Q
1	Calib_Blank_'	12/10/10 14:39	0.0	0.0	☑
2	Calib_Std_1	12/10/10 14:43	0.0	0.0	☑
3	Calib_Std_2	12/10/10 14:45	0.0	0.0	☑
4	Calib_Std_3	12/10/10 14:48	0.0	0.0	☑
5	Calib_Std_4	12/10/10 14:52	0.0	0.0	☑
6	LR Std	12/10/10 14:55	97.9	98.6	☑
7	ICV4	12/10/10 15:01	100.3	99.7	☑
8	ICV2A	12/10/10 15:05	100.8	99.8	☑
9	ICB	12/10/10 15:11	99.8	99.9	☑
10	LL1	12/10/10 15:15	100.3	106.1	☑
11	LL2	12/10/10 15:19	99.1	100.3	☑
12	ICSA	12/10/10 15:23	92.4	96.9	☑
13	ICSAB_4.0	12/10/10 15:29	91.6	98.1	☑
14	LL-Pb	12/10/10 15:36	101.0	100.1	☑
15	Al 1000ppm	12/10/10 15:40	93.6	102.0	☑
16	Ca 1000ppm	12/10/10 15:47	94.2	101.5	☑
17	Fe 1000ppm	12/10/10 15:53	98.0	99.0	☑
18	Mg 1000ppm	12/10/10 15:59	95.3	99.9	☑
19	Na 500ppm	12/10/10 16:06	95.9	102.0	☑
20	CCV	12/10/10 16:14	98.3	100.6	☑
21	CCB	12/10/10 16:18	100.2	101.1	☑
22	MAQ12B	12/10/10 16:22	103.5	101.5	☑
23	MAQ12C	12/10/10 16:26	97.8	101.4	☑
24	MAQ12L	12/10/10 16:29	98.1	99.0	☑
25	MAMN9	12/10/10 16:35	102.3	104.9	☑
26	MAMN9P5	12/10/10 16:39	100.0	101.1	☑
27	MAMN9Z	12/10/10 16:43	100.3	104.3	☑
28	MAMPR	12/10/10 16:49	101.2	104.9	☑
29	MAMRA	12/10/10 16:54	102.2	105.7	☑
30	MAMRH	12/10/10 16:57	102.4	105.7	☑
31	MAMR2	12/10/10 17:01	102.6	106.4	☑
32	CCV	12/10/10 17:09	97.4	100.9	☑
33	CCB	12/10/10 17:14	99.3	101.8	☑
34	MAR1QB	12/10/10 17:17	102.0	103.6	☑
35	MAR1QC	12/10/10 17:21	97.9	101.4	☑
36	MAN34	12/10/10 17:27	101.2	105.8	☑
37	MAN34P5	12/10/10 17:31	98.9	101.5	☑
38	MAN34Z	12/10/10 17:35	99.5	104.8	☑
39	MAN34S	12/10/10 17:39	102.2	107.1	☑
40	MAN34D	12/10/10 17:43	101.3	106.3	☑
41	MAN3M	12/10/10 17:49	102.9	106.4	☑
42	CCV	12/10/10 17:57	97.3	101.4	☑
43	CCB	12/10/10 18:01	99.5	101.2	☑
44	MAN3R	12/10/10 18:05	101.6	107.1	☑
45	MAN3V	12/10/10 18:09	102.1	107.5	☑
46	MAN3X	12/10/10 18:13	103.1	105.3	☑

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 12/13/10 10:41:27

File ID: DEC1010A2X.csv Analyst: jonesb

#	Sample ID	Analyzed Date	Y_ Axial	Y_ Radial	Q
47	MAN32	12/10/10 18:17	101.7	107.3	☑
48	MAN37	12/10/10 18:22	100.0	106.6	☑
49	MAN4D	12/10/10 18:25	101.7	108.0	☑
50	MAN4G	12/10/10 18:29	104.2	108.6	☑
51	MAN4M	12/10/10 18:33	103.9	107.8	☑
52	CCV	12/10/10 18:41	97.7	100.7	☑
53	CCB	12/10/10 18:45	100.0	103.3	☑
54	MA31EBT	12/10/10 18:49	98.0	106.6	☑
55	MA31ECT	12/10/10 18:53	96.3	104.2	☑
56	MAXRHT	12/10/10 18:59	97.4	104.2	☑
57	MAXRHP5T	12/10/10 19:03	99.7	103.1	☑
58	MAXRHZT	12/10/10 19:07	96.0	103.6	☑
59	MAXRHST	12/10/10 19:11	96.6	104.0	☑
60	MAXRHDT	12/10/10 19:14	95.7	102.5	☑
61	CCV	12/10/10 19:20	98.2	102.5	☑
62	CCB	12/10/10 19:24	99.7	105.1	☑
63	MAXRFT	12/10/10 19:28	97.6	105.9	☑
64	MAXRKT	12/10/10 19:32	98.7	105.4	☑
65	MAXRQT	12/10/10 19:36	98.8	105.5	☑
66	MAXRTT	12/10/10 19:40	96.8	105.9	☑
67	MAXRWT	12/10/10 19:45	100.4	106.1	☑
68	MAXR0T	12/10/10 19:49	99.1	106.8	☑
69	MAXR2T	12/10/10 19:53	99.2	105.2	☑
70	CCV	12/10/10 19:59	97.5	101.5	☑
71	CCB	12/10/10 20:03	98.5	103.9	☑
72	MA1QXBT	12/10/10 20:07	97.8	106.4	☑
73	MA1QXCT	12/10/10 20:11	96.8	103.1	☑
74	MAXQ8T	12/10/10 20:17	97.2	104.9	☑
75	MAXQ8P5T	12/10/10 20:21	101.0	104.7	☑
76	MAXQ8ZT	12/10/10 20:25	96.3	102.9	☑
77	MAXQ8ST	12/10/10 20:29	95.8	101.3	☑
78	MAXQ8DT	12/10/10 20:33	96.2	103.5	☑
79	CCV	12/10/10 20:38	97.3	101.2	☑
80	CCB	12/10/10 20:43	100.4	103.5	☑
81	MAXQ6T	12/10/10 20:47	98.4	105.6	☑
82	MAXRAT	12/10/10 20:51	96.8	103.4	☑
83	MAXRDT	12/10/10 20:55	95.7	103.5	☑
84	MAXLJT	12/10/10 20:59	96.8	103.1	☑
85	MAXLLT	12/10/10 21:03	97.9	105.2	☑
86	MAXLNT	12/10/10 21:07	97.0	104.1	☑
87	MAXPQT	12/10/10 21:11	97.1	103.9	☑
88	MAXPWT	12/10/10 21:15	97.3	104.3	☑
89	CCV	12/10/10 21:22	97.6	102.9	☑
90	CCB	12/10/10 21:26	100.7	104.2	☑
91	MA3T1BM	12/10/10 21:30	94.3	103.0	☑
92	MA3T1CM	12/10/10 21:34	94.9	103.3	☑

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6010 () PE ICP2 (P05) Reported: 12/13/10 10:41:27

File ID: DEC1010A2X.csv Analyst: jonesb

#	Sample ID	Analyzed Date	Y_ Axial	Y_ Radial	Q
93	MAXRPM	12/10/10 21:40	96.4	102.8	☑
94	MAXRPP5M	12/10/10 21:44	98.7	101.7	☑
95	MAXRPSM	12/10/10 21:48	94.0	101.8	☑
96	MAXRPDM	12/10/10 21:52	96.2	104.8	☑
97	MAXK4M	12/10/10 21:57	97.3	104.0	☑
98	MAXQ7M	12/10/10 22:01	96.3	103.8	☑
99	MAXQ9M	12/10/10 22:09	96.1	102.7	☑
100	CCV	12/10/10 22:18	96.0	100.2	☑
101	CCB	12/10/10 22:22	100.2	102.1	☑
102	MAXRCM	12/10/10 22:26	94.7	102.2	☑
103	MAXREM	12/10/10 22:30	95.4	104.3	☑
104	MAXRGM	12/10/10 22:34	94.2	101.8	☑
105	MAXRJM	12/10/10 22:38	95.4	102.5	☑
106	MAXRRM	12/10/10 22:42	95.5	102.9	☑
107	MAXRVM	12/10/10 22:46	94.6	102.0	☑
108	MAXRXM	12/10/10 22:50	95.9	102.6	☑
109	MAXR1M	12/10/10 22:54	96.4	101.1	☑
110	MA16PBM	12/10/10 23:02	94.0	99.8	☑
111	MA16PCM	12/10/10 23:08	93.6	102.2	☑
112	CCV	12/10/10 23:14	97.7	100.1	☑
113	CCB	12/10/10 23:18	97.8	103.5	☑
114	MAXLKM	12/10/10 23:22	97.9	103.7	☑
115	MAXLKP5M	12/10/10 23:26	98.0	100.6	☑
116	MAXLKSM	12/10/10 23:30	95.4	102.6	☑
117	MAXLKDM	12/10/10 23:34	95.1	102.6	☑
118	MAXLFM	12/10/10 23:40	94.3	102.9	☑
119	MAXLMM	12/10/10 23:44	96.9	102.3	☑
120	MAXPNM	12/10/10 23:48	94.5	100.5	☑
121	MAXPRM	12/10/10 23:52	95.9	101.4	☑
122	MAXPVM	12/10/10 23:56	94.6	102.2	☑
123	CCV	12/11/10 00:03	96.7	100.5	☑
124	CCB	12/11/10 00:07	99.0	100.9	☑

TAL West Sac

CALIBRATION CHECK SUMMARY

Method: 6010 | PE ICP2 | Reported: 12/13/10 10:42:22

Method: 6010 **Instrument: PE ICP2** **Batch: DEC1010A2X.csv**

Sample ID	Type	File - Sequence	Analyzed Date	Q
ICV4	ICV	DEC1010A2X.csv, 7	12/10/2010 15:01:29	☐
ICV2A	ICV	DEC1010A2X.csv, 8	12/10/2010 15:05:32	☐
ICB	ICB	DEC1010A2X.csv, 9	12/10/2010 15:11:52	☐
ICSA	ICSA	DEC1010A2X.csv, 12	12/10/2010 15:23:45	☐
ICSAB_4.0	ICSAB	DEC1010A2X.csv, 13	12/10/2010 15:29:39	☐
CCV	CCV	DEC1010A2X.csv, 20	12/10/2010 16:14:14	☐
CCB	CCB	DEC1010A2X.csv, 21	12/10/2010 16:18:24	☐
CCV	CCV	DEC1010A2X.csv, 32	12/10/2010 17:09:54	☐
CCB	CCB	DEC1010A2X.csv, 33	12/10/2010 17:14:00	☐
CCV	CCV	DEC1010A2X.csv, 42	12/10/2010 17:57:37	☐
CCB	CCB	DEC1010A2X.csv, 43	12/10/2010 18:01:43	☐
CCV	CCV	DEC1010A2X.csv, 52	12/10/2010 18:41:31	☐
CCB	CCB	DEC1010A2X.csv, 53	12/10/2010 18:45:39	☐
CCV	CCV	DEC1010A2X.csv, 61	12/10/2010 19:20:29	☐
CCB	CCB	DEC1010A2X.csv, 62	12/10/2010 19:24:35	☐
CCV	CCV	DEC1010A2X.csv, 70	12/10/2010 19:59:47	☐
CCB	CCB	DEC1010A2X.csv, 71	12/10/2010 20:03:53	☐
CCV	CCV	DEC1010A2X.csv, 79	12/10/2010 20:38:55	☐
CCB	CCB	DEC1010A2X.csv, 80	12/10/2010 20:43:01	☐
CCV	CCV	DEC1010A2X.csv, 89	12/10/2010 21:22:28	☐
CCB	CCB	DEC1010A2X.csv, 90	12/10/2010 21:26:38	☐
CCV	CCV	DEC1010A2X.csv, 100	12/10/2010 22:18:01	☐
CCB	CCB	DEC1010A2X.csv, 101	12/10/2010 22:22:10	☐
CCV	CCV	DEC1010A2X.csv, 112	12/10/2010 23:14:39	☐
CCB	CCB	DEC1010A2X.csv, 113	12/10/2010 23:18:45	☐
CCV	CCV	DEC1010A2X.csv, 123	12/11/2010 00:03:00	☐
CCB	CCB	DEC1010A2X.csv, 124	12/11/2010 00:07:06	☐

Method: 6010 PE ICP2 Reported: 12/13/10 10:42:22

Department: 120 (Metals) Source: OPTIMA

Sample: **ICV4 (ICV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300** Channel 268
File: DEC1010A2X.csv # 7 Method 6010O
Acquired: 12/10/2010 15:01:29 PE ICP2
Calibrated: 12/10/2010 14:39:03 Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-22-4	Silver		0.24864	0.25000	99.5	☑
7440-38-2	Arsenic		0.23987	0.25000	95.9	☑
7440-42-8	Boron		0.48789	0.50000	97.6	☑
7440-39-3	Barium		1.0016	1.0000	100	☑
7440-70-2	Calcium		10.321	10.000	103	☑
7440-47-3	Chromium		1.0070	1.0000	101	☑
7440-50-8	Copper		0.98565	1.0000	98.6	☑
7440-09-7	Potassium		9.6186	10.000	96.2	☑
7439-93-2	Lithium		1.0028	1.0000	100	☑
7439-95-4	Magnesium		10.468	10.000	105	☑
7439-96-5	Manganese		1.0234	1.0000	102	☑
7439-98-7	Molybdenum		0.48436	0.50000	96.9	☑
7440-02-0	Nickel		1.0077	1.0000	101	☑
7439-92-1	Lead		0.24405	0.25000	97.6	☑
7440-36-0	Antimony		0.24479	0.25000	97.9	☑
7782-49-2	Selenium		0.24079	0.25000	96.3	☑
7440-21-3	Silicon		0.99144		*	
7440-31-5	Tin		0.99042	1.0000	99.0	☑
7440-28-0	Thallium		0.24247	0.25000	97.0	☑
7440-66-6	Zinc		1.0005	1.0000	100	☑
7429-90-5	Aluminum		10.148	10.000	101	☑
7440-41-7	Beryllium		0.25035	0.25000	100	☑
7440-43-9	Cadmium		0.25333	0.25000	101	☑
7440-48-4	Cobalt		1.0141	1.0000	101	☑
7439-89-6	Iron		10.387	10.000	104	☑
7439-89-6	Iron		10.646	10.000	106	☑
7440-23-5	Sodium		9.8976	10.000	99.0	☑
7440-23-5	Sodium		12.415	10.000	124	☑
7723-14-0	Phosphorus		1.0042	1.0000	100	☑
7723-14-0	Phosphorus		1.0322	1.0000	103	☑
7704-34-9	Sulfur		0.56284		*	
7704-34-9	Sulfur		-0.02946		*	
7704-34-9	Sulfur		0.32756		*	
7704-34-9	Sulfur		0.46983		*	
7440-21-3	Silicon		0.99918		*	
7440-24-6	Strontium		0.88071	1.0000	88.1	☐
7440-24-6	Strontium		1.0404	1.0000	104	☑
7440-32-6	Titanium		0.50332	0.50000	101	☑
7440-32-6	Titanium		0.49213	0.50000	98.4	☑
7440-62-2	Vanadium		0.99284	1.0000	99.3	☑

Reviewed by: Date:

Method: 6010 PE ICP2 Reported: 12/13/10 10:42:22

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		100.32	☑
R7440655	Y_ Radial		99.709	☑

Reviewed by: Date:

Method: 6010 PE ICP2 Reported: 12/13/10 10:42:22

Department: 120 (Metals) Source: OPTIMA

Sample: **ICV2A (ICV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300** Channel 268
File: DEC1010A2X.csv # 8 Method 6010O
Acquired: 12/10/2010 15:05:32 PE ICP2
Calibrated: 12/10/2010 14:39:03 Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-22-4	Silver		-0.00045		*	
7440-38-2	Arsenic		-0.00353		*	
7440-42-8	Boron		0.01052		*	
7440-39-3	Barium		0.00025		*	
7440-70-2	Calcium		0.00518		*	
7440-47-3	Chromium		-0.00059		*	
7440-50-8	Copper		0.00034		*	
7440-09-7	Potassium		0.30578		*	
7439-93-2	Lithium		-0.01335		*	
7439-95-4	Magnesium		0.01375		*	
7439-96-5	Manganese		0.00042		*	
7439-98-7	Molybdenum		-0.00068		*	
7440-02-0	Nickel		0.00010		*	
7439-92-1	Lead		-0.00178		*	
7440-36-0	Antimony		0.23869	0.25000	95.5	☑
7782-49-2	Selenium		0.00710		*	
7440-21-3	Silicon		0.91766	1.0000	91.8	☑
7440-31-5	Tin		0.00206		*	
7440-28-0	Thallium		-0.00098		*	
7440-66-6	Zinc		0.00056		*	
7429-90-5	Aluminum		0.05146		*	
7440-41-7	Beryllium		0.00004		*	
7440-43-9	Cadmium		0.00018		*	
7440-48-4	Cobalt		0.00093		*	
7439-89-6	Iron		0.00439		*	
7439-89-6	Iron		0.00941		*	
7440-23-5	Sodium		24.997	25.000	100	☑
7440-23-5	Sodium		25.900	25.000	104	☑
7723-14-0	Phosphorus		2.0527	2.0000	103	☑
7723-14-0	Phosphorus		2.0493	2.0000	102	☑
7704-34-9	Sulfur		2.0991	2.0000	105	☑
7704-34-9	Sulfur		2.3002	2.0000	115	☐
7704-34-9	Sulfur		2.0256	2.0000	101	☑
7704-34-9	Sulfur		2.1350	2.0000	107	☑
7440-21-3	Silicon		0.94030	1.0000	94.0	☑
7440-24-6	Strontium		0.08642		*	
7440-24-6	Strontium		0.00019		*	
7440-32-6	Titanium		0.00042		*	
7440-32-6	Titanium		0.00285		*	
7440-62-2	Vanadium		0.00090		*	

Reviewed by: Date:

Method: 6010 PE ICP2 Reported: 12/13/10 10:42:22

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		100.79	☑
R7440655	Y_ Radial		99.818	☑

Reviewed by: Date:

Method: 6010 PE ICP2 Reported: 12/13/10 10:42:22

Department: 120 (Metals) Source: OPTIMA

Sample: ICB Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300 Channel 268
File: DEC1010A2X.csv # 9 Method 6010O
Acquired: 12/10/2010 15:11:52 PE ICP2
Calibrated: 12/10/2010 14:39:03 Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-22-4	Silver		-0.00009	0.0050	0.0010	0.00014	☑
7440-38-2	Arsenic		-0.00161	0.010	0.0070	0.0016	☑
7440-42-8	Boron		0.00241	0.10	0.010	0.00061	☑
7440-39-3	Barium		0.00021	0.0050	0.0040	0.000063	☑
7440-70-2	Calcium		0.00405	0.50	0.10	0.0015	☑
7440-47-3	Chromium		-0.00028	0.0050	0.0040	0.00055	☑
7440-50-8	Copper		-0.00008	0.0050	0.0050	0.00010	☑
7440-09-7	Potassium		-0.03447	1.0	0.25	0.036	☑
7439-93-2	Lithium		-0.00556	0.010	0.0060	0.0093	☑
7439-95-4	Magnesium		0.02667	0.50	0.075	0.0061	☑
7439-96-5	Manganese		0.00033	0.0050	0.0010	0.00027	☑
7439-98-7	Molybdenum		-0.00045	0.010	0.010	0.00011	☑
7440-02-0	Nickel		0.00011	0.0050	0.0030	0.00048	☑
7439-92-1	Lead		0.00064	0.0030	0.0030	0.0011	☑
7440-36-0	Antimony		0.00000	0.010	0.0050	0.0010	☑
7782-49-2	Selenium		0.00600	0.0050	0.0070	0.0065	☐
7440-21-3	Silicon		0.00626	0.10	0.0050	0.00014	☐
7440-31-5	Tin		0.00256	0.020	0.012	0.0011	☑
7440-28-0	Thallium		-0.00206	0.010	0.0050	0.0058	☑
7440-66-6	Zinc		0.00023	0.0050	0.0070	0.00015	☑
7429-90-5	Aluminum		0.01186	0.10	0.035	0.0042	☑
7440-41-7	Beryllium		-0.00002	0.0020	0.0010	0.00011	☑
7440-43-9	Cadmium		0.00012	0.0020	0.0010	0.000080	☑
7440-48-4	Cobalt		-0.00016	0.0050	0.0020	0.000094	☑
7439-89-6	Iron		-0.00122	0.050	0.016	0.000079	☑
7439-89-6	Iron		0.00828	0.050	0.016	0.0081	☑
7440-23-5	Sodium		0.00513	0.50	0.25	0.0071	☑
7440-23-5	Sodium		-4.2979	0.50	0.25	0.23	☐
7723-14-0	Phosphorus		0.00097	0.30	0.013	0.0029	☑
7723-14-0	Phosphorus		-0.01911	0.30	0.013	0.029	☑
7704-34-9	Sulfur		-0.00368	0.10	0.074	0.011	☑
7704-34-9	Sulfur		-0.19107	0.10	0.074	0.28	☑
7704-34-9	Sulfur		-0.00109	0.10	0.074	0.00046	☑
7704-34-9	Sulfur		0.07254	0.10	0.074	0.13	☑
7440-21-3	Silicon		0.00592	0.10	0.0050	0.0087	☐
7440-24-6	Strontium		-0.02490	0.050	0.0050	0.011	☑
7440-24-6	Strontium		-0.00010	0.050	0.0050	0.00026	☑
7440-32-6	Titanium		-0.00084	0.010	0.0030	0.00058	☑
7440-32-6	Titanium		-0.00278	0.010	0.0030	0.0021	☑
7440-62-2	Vanadium		0.00033	0.0050	0.0020	0.00018	☑

Reviewed by: Date:

Method: 6010 PE ICP2 Reported: 12/13/10 10:42:22

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		99.843	☑
R7440655	Y_ Radial		99.910	☑

Reviewed by: Date:

Method: 6010 PE ICP2 Reported: 12/13/10 10:42:22

Department: 120 (Metals) Source: OPTIMA

Sample: **ICSA** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300** Channel 268
File: DEC1010A2X.csv # 12 Method 6010O
Acquired: 12/10/2010 15:23:45 PE ICP2
Calibrated: 12/10/2010 14:39:03 Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-22-4	Silver		-0.00144		*	☑
7440-38-2	Arsenic		0.00551		*	☑
7440-42-8	Boron		-0.00381		*	☑
7440-39-3	Barium		0.00095		*	☑
7440-70-2	Calcium		504.05	500.00	101	☑
7440-47-3	Chromium		0.00333		*	☑
7440-50-8	Copper		-0.00087		*	☑
7440-09-7	Potassium		-0.10173		*	☑
7439-93-2	Lithium		0.00681		*	☑
7439-95-4	Magnesium		509.55	500.00	102	☑
7439-96-5	Manganese		-0.00591		*	☑
7439-98-7	Molybdenum		0.00129		*	☑
7440-02-0	Nickel		0.00140		*	☑
7439-92-1	Lead		-0.00417		*	☑
7440-36-0	Antimony		-0.00277		*	☑
7782-49-2	Selenium		-0.00704		*	☑
7440-21-3	Silicon		0.00001		*	☑
7440-31-5	Tin		0.00484		*	☑
7440-28-0	Thallium		-0.00435		*	☑
7440-66-6	Zinc		-0.00036		*	☑
7429-90-5	Aluminum		503.72	500.00	101	☑
7440-41-7	Beryllium		0.00025		*	☑
7440-43-9	Cadmium		-0.00070		*	☑
7440-48-4	Cobalt		-0.00024		*	☑
7439-89-6	Iron		194.88	200.00	97.4	☑
7439-89-6	Iron		202.89	200.00	101	☑
7440-23-5	Sodium		-0.02402		*	☑
7440-23-5	Sodium		-0.09640		*	☑
7723-14-0	Phosphorus		-0.18309		*	☑
7723-14-0	Phosphorus		0.26403		*	☑
7704-34-9	Sulfur		2.6679		*	
7704-34-9	Sulfur		6.2110		*	
7704-34-9	Sulfur		0.66391		*	
7704-34-9	Sulfur		-3.0869		*	☑
7440-21-3	Silicon		0.04715		*	☑
7440-24-6	Strontium		0.07836		*	
7440-24-6	Strontium		0.02868		*	☑
7440-32-6	Titanium		0.00396		*	☑
7440-32-6	Titanium		-0.00409		*	☑
7440-62-2	Vanadium		-0.00172		*	☑

Reviewed by: Date: