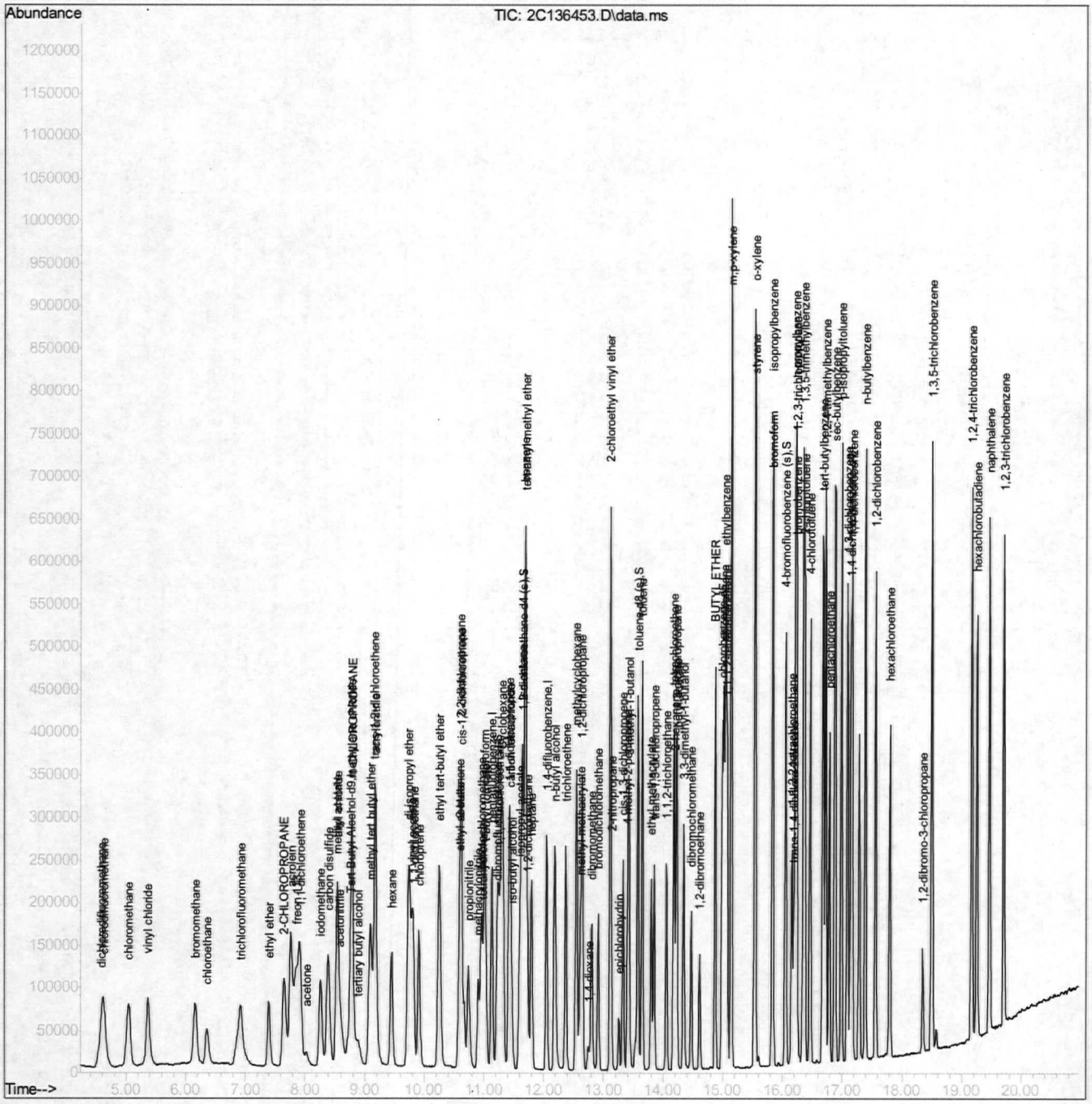
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136453.D
Acq On : 29 Jan 2016 1:30 pm
Operator : ToanP
Sample : ICC6139-50
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 01 15:52:19 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jan 29 15:09:39 2016
Response via : Initial Calibration



M2C6139.m Mon Feb 01 15:52:24 2016 RPT1 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136454.D
Acq On : 29 Jan 2016 1:59 pm
Operator : ToanP
Sample : IC6139-100
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 15:52:35 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jan 29 15:09:39 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.777	65	153805	500.00	ug/L	0.02
5) pentafluorobenzene	11.131	168	238554	50.00	ug/L	0.00
61) 1,4-difluorobenzene	12.049	114	277797	50.00	ug/L	0.00
92) chlorobenzene-d5	14.990	117	246158	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	17.145	152	141261	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	11.220	113	95197	50.73	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 101.46%			
55) 1,2-dichloroethane-d4 (s)	11.645	65	94304	49.02	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 98.04%			
84) toluene-d8 (s)	13.580	98	318405	49.75	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 99.50%			
109) 4-bromofluorobenzene (s)	16.054	95	120035	51.91	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.82%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.898	59	196899	569.56	ug/L	99
4) 1,4-dioxane	12.746	88	74556	2910.17	ug/L	95
11) chlorodifluoromethane	4.625	51	354444	141.80	ug/L	98
12) dichlorodifluoromethane	4.593	85	432987	136.00	ug/L	96
15) chloromethane	5.055	50	479081	113.60	ug/L	99
16) vinyl chloride	5.380	62	456347	122.28	ug/L	99
17) bromomethane	6.161	94	246328	106.89	ug/L	96
18) chloroethane	6.360	64	189184	120.60	ug/L	99
19) trichlorofluoromethane	6.921	101	466041	127.61	ug/L	98
21) ethyl ether	7.409	74	124606	114.78	ug/L	95
22) 2-CHLOROPROPANE	7.655	43	464222	115.68	ug/L	99
26) acrolein	7.770	56	673661	1190.74	ug/L	99
27) 1,1-dichloroethene	7.923	61	371378	117.69	ug/L	96
28) acetone	8.027	58	24675	115.25	ug/L	93
29) allyl chloride	8.546	76	145471	116.82	ug/L #	87
30) acetonitrile	8.583	40	265664	1101.47	ug/L #	79
31) iodomethane	8.269	142	514883	119.90	ug/L	99
32) iso-butyl alcohol	11.462	42	86857	1093.70	ug/L	95
33) carbon disulfide	8.389	76	887976	113.40	ug/L	99
34) methylene chloride	8.788	84	267126	113.10	ug/L	99
35) 1-CHLOROPROPANE	8.793	42	415383	91.81	ug/L	100
36) methyl acetate	8.536	74	40560	110.73	ug/L #	89
37) methyl tert butyl ether	9.107	73	767765	110.23	ug/L	98
38) trans-1,2-dichloroethene	9.176	61	329480	115.36	ug/L	99
39) di-isopropyl ether	9.747	45	840071	111.60	ug/L	99
40) 2-butanone	10.596	72	28386	109.79	ug/L #	91
41) 1,1-dichloroethane	9.821	63	402041	116.44	ug/L	99
42) chloroprene	9.915	53	318826	121.54	ug/L	99
43) acrylonitrile	9.191	53	511426	569.51	ug/L	98
44) vinyl acetate	9.794	86	41930	118.05	ug/L	97
45) ethyl tert-butyl ether	10.256	59	816423	112.46	ug/L	97
46) ethyl acetate	10.586	45	35176	107.41	ug/L	92

7.6.9

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136454.D
Acq On : 29 Jan 2016 1:59 pm
Operator : ToanP
Sample : IC6139-100
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 15:52:35 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jan 29 15:09:39 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 2,2-dichloropropane	10.612	77	364155	101.35 ug/L	100
48) cis-1,2-dichloroethene	10.623	96	256067	108.98 ug/L	98
49) propionitrile	10.743	54	408364	1171.15 ug/L	99
50) bromochloromethane	10.958	128	130079	112.72 ug/L	98
51) tetrahydrofuran	10.984	42	92742	108.40 ug/L	96
52) chloroform	11.011	83	376439	118.83 ug/L	99
53) t-butyl formate	11.026	59	235571	110.56 ug/L	98
56) freon 113	7.854	151	209305	126.05 ug/L	91
57) methacrylonitrile	10.911	67	101831	121.59 ug/L	99
58) 1,1,1-trichloroethane	11.247	97	355714	120.27 ug/L	99
59) Cyclohexane	11.294	84	372613	123.63 ug/L	94
63) epichlorohydrin	13.260	57	130269	576.50 ug/L	99
64) n-butyl alcohol	12.185	56	435963	5782.34 ug/L	95
65) carbon tetrachloride	11.441	117	327025	114.71 ug/L	99
66) 1,1-dichloropropene	11.414	75	278698	117.98 ug/L	99
67) hexane	9.459	57	240215	137.06 ug/L	98
69) iso-octane	11.635	57	909984	130.25 ug/L	99
70) benzene	11.692	78	807790	107.05 ug/L	99
71) tert-amyl methyl ether	11.692	87	164080	110.76 ug/L	97
72) heptane	11.797	57	161155	128.12 ug/L	99
73) isopropyl acetate	11.598	43	591574	114.85 ug/L	100
74) 1,2-dichloroethane	11.734	62	259411	113.80 ug/L	99
75) trichloroethene	12.369	95	215300	122.98 ug/L	98
76) 2-nitropropane	13.134	41	76686	99.37 ug/L #	82
77) 2-chloroethyl vinyl ether	13.118	63	683306	585.58 ug/L	98
78) methyl methacrylate	12.615	100	57324	116.96 ug/L	91
79) 1,2-dichloropropane	12.641	63	208839	113.23 ug/L	100
80) dibromomethane	12.804	93	142050	117.72 ug/L	99
81) methylcyclohexane	12.547	83	393037	127.81 ug/L	100
82) bromodichloromethane	12.914	83	288908	123.72 ug/L	99
83) cis-1,3-dichloropropene	13.328	75	345221	113.26 ug/L	98
85) 4-methyl-2-pentanone	13.407	58	93956	110.56 ug/L	98
86) toluene	13.648	92	486018	118.86 ug/L	99
87) 3-methyl-1-butanol	13.428	55	259559	2178.96 ug/L	97
88) trans-1,3-dichloropropene	13.852	75	306990	109.50 ug/L	98
89) ethyl methacrylate	13.805	69	264997	115.64 ug/L	98
90) 1,1,2-trichloroethane	14.057	83	158893	113.00 ug/L	99
91) 2-hexanone	14.188	58	81296	105.09 ug/L	98
93) tetrachloroethene	14.183	164	194622	118.91 ug/L	99
94) 1,3-dichloropropane	14.225	76	282982	113.10 ug/L	96
95) butyl acetate	14.235	56	138253	109.77 ug/L	95
96) 3,3-dimethyl-1-butanol	14.345	57	309588	1114.99 ug/L	99
97) dibromochloromethane	14.476	129	242639	121.19 ug/L	99
98) 1,2-dibromoethane	14.618	107	208602	116.65 ug/L	99
99) BUTYL ETHER	14.875	57	851413	116.44 ug/L	99
100) chlorobenzene	15.022	112	550940	119.08 ug/L	99
101) 1,1,1,2-tetrachloroethane	15.079	131	231461	114.51 ug/L	99
102) ethylbenzene	15.053	91	869015	106.68 ug/L	98
103) m,p-xylene	15.147	106	686689	229.52 ug/L	96
104) o-xylene	15.541	106	371226	116.55 ug/L	97

7.6.9

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SGS ACCUTEST JC14082

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136454.D
Acq On : 29 Jan 2016 1:59 pm
Operator : ToanP
Sample : IC6139-100
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 15:52:35 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jan 29 15:09:39 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
105) styrene	15.551	104	592273	114.91 ug/L	99
106) bromoform	15.834	173	197003	120.84 ug/L	98
108) isopropylbenzene	15.845	105	977616	117.76 ug/L	99
111) bromobenzene	16.243	156	269823	109.38 ug/L	94
112) 1,1,2,2-tetrachloroethane	16.159	83	289454	119.32 ug/L	97
113) trans-1,4-dichloro-2-b...	16.196	88	39620	110.33 ug/L	94
114) 1,2,3-trichloropropane	16.233	110	63627	106.98 ug/L	98
115) n-propylbenzene	16.222	91	1086349	116.53 ug/L	100
116) 2-chlorotoluene	16.380	126	243538	108.82 ug/L	92
117) 4-chlorotoluene	16.469	91	666175	114.87 ug/L	100
118) 1,3,5-trimethylbenzene	16.353	105	850200	118.35 ug/L	98
119) tert-butylbenzene	16.678	134	179885	123.14 ug/L	99
120) pentachloroethane	16.788	167	191907	123.91 ug/L	99
121) 1,2,4-trimethylbenzene	16.726	105	850190	114.94 ug/L	99
122) sec-butylbenzene	16.883	105	1165125	119.64 ug/L	99
123) 1,3-dichlorobenzene	17.093	146	564585	113.41 ug/L	99
124) p-isopropyltoluene	16.988	119	1001028	116.54 ug/L	99
126) 1,4-dichlorobenzene	17.171	146	559106	115.27 ug/L	99
127) 1,2-dichlorobenzene	17.559	146	573893	112.13 ug/L	100
128) n-butylbenzene	17.386	92	522093	118.36 ug/L	100
129) 1,2-dibromo-3-chloropr...	18.351	75	65293	109.46 ug/L	92
130) 1,3,5-trichlorobenzene	18.503	180	598865	115.75 ug/L	98
131) 1,2,4-trichlorobenzene	19.169	180	535439	117.96 ug/L	99
132) hexachlorobutadiene	19.258	225	298507	115.07 ug/L	98
133) naphthalene	19.468	128	1106838	117.26 ug/L	99
134) 1,2,3-trichlorobenzene	19.714	180	471185	115.66 ug/L	100
135) hexachloroethane	17.800	201	217331	134.24 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.9

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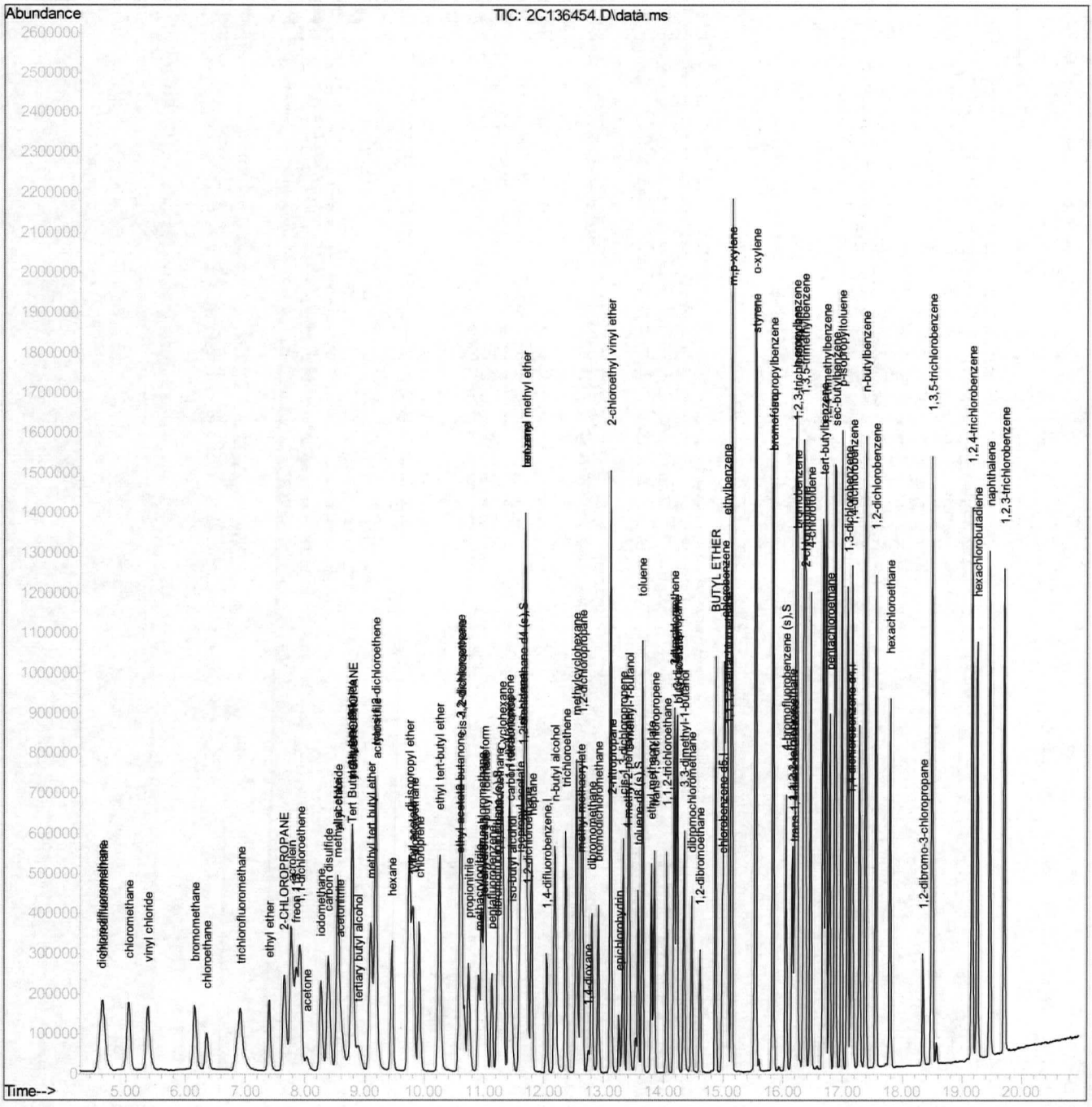
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136454.D
Acq On : 29 Jan 2016 1:59 pm
Operator : ToanP
Sample : IC6139-100
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 01 15:52:35 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jan 29 15:09:39 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136455.D
Acq On : 29 Jan 2016 2:28 pm
Operator : ToanP
Sample : IC6139-200
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 01 15:52:51 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jan 29 15:09:39 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.783	65	160142	500.00	ug/L	0.02
5) pentafluorobenzene	11.137	168	239894	50.00	ug/L	0.00
61) 1,4-difluorobenzene	12.049	114	290414	50.00	ug/L	0.00
92) chlorobenzene-d5	14.990	117	254674	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	17.145	152	144681	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	11.221	113	96419	51.09	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 102.18%			
55) 1,2-dichloroethane-d4 (s)	11.645	65	95662	49.45	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 98.90%			
84) toluene-d8 (s)	13.580	98	327264	48.91	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 97.82%			
109) 4-bromofluorobenzene (s)	16.055	95	124381	52.51	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.02%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.898	59	382636	1063.04	ug/L	99
4) 1,4-dioxane	12.746	88	147070	5513.47	ug/L	95
11) chlorodifluoromethane	4.625	51	650310	258.72	ug/L	97
12) dichlorodifluoromethane	4.593	85	802083	250.53	ug/L	99
15) chloromethane	5.065	50	896010	211.27	ug/L	99
16) vinyl chloride	5.380	62	853783	227.50	ug/L	99
17) bromomethane	6.161	94	412109	177.82	ug/L	98
18) chloroethane	6.360	64	340244	215.68	ug/L	99
19) trichlorofluoromethane	6.911	101	865396	235.63	ug/L	98
21) ethyl ether	7.404	74	234420	214.72	ug/L	99
22) 2-CHLOROPROPANE	7.655	43	849032	210.39	ug/L	99
26) acrolein	7.771	56	1250425	2197.87	ug/L	100
27) 1,1-dichloroethene	7.923	61	684155	215.60	ug/L	97
28) acetone	8.038	58	46074	214.00	ug/L	99
29) allyl chloride	8.547	76	273346	218.28	ug/L #	87
30) acetonitrile	8.583	40	493646	2035.28	ug/L	82
31) iodomethane	8.269	142	954830	221.11	ug/L	100
32) iso-butyl alcohol	11.462	42	166014	2078.76	ug/L	98
33) carbon disulfide	8.395	76	1634460	207.57	ug/L	99
34) methylene chloride	8.788	84	492682	207.43	ug/L	97
35) 1-CHLOROPROPANE	8.793	42	738291	162.26	ug/L	99
36) methyl acetate	8.536	74	76770	208.42	ug/L	89
37) methyl tert butyl ether	9.108	73	1414282	201.92	ug/L	98
38) trans-1,2-dichloroethene	9.176	61	589351	205.20	ug/L	97
39) di-isopropyl ether	9.747	45	1550065	204.77	ug/L	99
40) 2-butanone	10.597	72	53748	206.72	ug/L #	84
41) 1,1-dichloroethane	9.821	63	737027	212.27	ug/L	99
42) chloroprene	9.915	53	589400	223.43	ug/L	99
43) acrylonitrile	9.191	53	924534	1023.79	ug/L	99
44) vinyl acetate	9.794	86	78203	218.95	ug/L	95
45) ethyl tert-butyl ether	10.256	59	1524126	208.76	ug/L	98
46) ethyl acetate	10.586	45	64590	196.12	ug/L	95

7.6.10 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136455.D
Acq On : 29 Jan 2016 2:28 pm
Operator : ToanP
Sample : IC6139-200
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 01 15:52:51 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jan 29 15:09:39 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 2,2-dichloropropane	10.612	77	655368	181.39 ug/L	99
48) cis-1,2-dichloroethene	10.623	96	460861	195.05 ug/L	98
49) propionitrile	10.743	54	759748	2166.72 ug/L	99
50) bromochloromethane	10.958	128	239069	206.02 ug/L	99
51) tetrahydrofuran	10.979	42	168244	195.55 ug/L	97
52) chloroform	11.011	83	677887	212.80 ug/L	98
53) t-butyl formate	11.027	59	438071	204.46 ug/L	96
56) freon 113	7.855	151	385661	230.96 ug/L	90
57) methacrylonitrile	10.911	67	191534	227.41 ug/L	99
58) 1,1,1-trichloroethane	11.247	97	654601	220.09 ug/L	98
59) Cyclohexane	11.294	84	680577	224.55 ug/L	94
63) epichlorohydrin	13.260	57	246859	1045.00 ug/L	99
64) n-butyl alcohol	12.185	56	831777	10552.88 ug/L	96
65) carbon tetrachloride	11.436	117	598358	200.77 ug/L	97
66) 1,1-dichloropropene	11.415	75	509287	206.23 ug/L	100
67) hexane	9.454	57	439129	239.67 ug/L	97
69) iso-octane	11.640	57	1679575	229.96 ug/L	100
70) benzene	11.687	78	1463103	185.47 ug/L	99
71) tert-amyl methyl ether	11.692	87	306439	197.88 ug/L	93
72) heptane	11.797	57	288326	219.27 ug/L	97
73) isopropyl acetate	11.598	43	1094628	203.28 ug/L	98
74) 1,2-dichloroethane	11.734	62	471611	197.91 ug/L	98
75) trichloroethene	12.369	95	394594	215.61 ug/L	97
76) 2-nitropropane	13.134	41	138635	171.85 ug/L #	80
77) 2-chloroethyl vinyl ether	13.119	63	1234597	1012.06 ug/L	97
78) methyl methacrylate	12.615	100	106547	207.94 ug/L	93
79) 1,2-dichloropropane	12.641	63	379074	196.60 ug/L	99
80) dibromomethane	12.804	93	259831	205.98 ug/L	97
81) methylcyclohexane	12.547	83	732829	227.95 ug/L	99
82) bromodichloromethane	12.914	83	535100	219.19 ug/L	99
83) cis-1,3-dichloropropene	13.328	75	636576	199.78 ug/L	99
85) 4-methyl-2-pentanone	13.407	58	177052	199.30 ug/L	97
86) toluene	13.648	92	898430	210.17 ug/L	99
87) 3-methyl-1-butanol	13.428	55	482977	3878.37 ug/L	99
88) trans-1,3-dichloropropene	13.853	75	555975	189.69 ug/L	98
89) ethyl methacrylate	13.805	69	487099	203.33 ug/L	99
90) 1,1,2-trichloroethane	14.057	83	293687	199.79 ug/L	98
91) 2-hexanone	14.193	58	147189	182.00 ug/L	98
93) tetrachloroethene	14.183	164	355917	210.19 ug/L	99
94) 1,3-dichloropropane	14.225	76	513905	198.52 ug/L	95
95) butyl acetate	14.235	56	247630	190.03 ug/L	94
96) 3,3-dimethyl-1-butanol	14.351	57	585715	2038.93 ug/L	99
97) dibromochloromethane	14.476	129	450734	217.60 ug/L	99
98) 1,2-dibromoethane	14.618	107	388705	210.09 ug/L	100
99) BUTYL ETHER	14.875	57	1535463	202.97 ug/L	98
100) chlorobenzene	15.022	112	1018063	212.69 ug/L	99
101) 1,1,1,2-tetrachloroethane	15.074	131	426356	203.88 ug/L	98
102) ethylbenzene	15.053	91	1563114	185.48 ug/L	97
103) m,p-xylene	15.148	106	1250723	404.07 ug/L	93
104) o-xylene	15.536	106	682756	207.20 ug/L	99

7.6.10 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136455.D
Acq On : 29 Jan 2016 2:28 pm
Operator : ToanP
Sample : IC6139-200
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 01 15:52:51 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jan 29 15:09:39 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
105) styrene	15.551	104	1068570	200.38 ug/L	99
106) bromoform	15.829	173	362964	215.19 ug/L	98
108) isopropylbenzene	15.845	105	1787180	210.19 ug/L	98
111) bromobenzene	16.243	156	492699	195.01 ug/L	95
112) 1,1,2,2-tetrachloroethane	16.160	83	535210	215.42 ug/L	96
113) trans-1,4-dichloro-2-b...	16.196	88	69327	188.49 ug/L	97
114) 1,2,3-trichloropropane	16.233	110	115655	189.86 ug/L	99
115) n-propylbenzene	16.222	91	1967939	206.10 ug/L	98
116) 2-chlorotoluene	16.380	126	451806	197.10 ug/L	92
117) 4-chlorotoluene	16.469	91	1223124	205.92 ug/L	99
118) 1,3,5-trimethylbenzene	16.353	105	1572060	213.66 ug/L	97
119) tert-butylbenzene	16.679	134	343346	229.48 ug/L	97
120) pentachloroethane	16.789	167	364828	229.99 ug/L	99
121) 1,2,4-trimethylbenzene	16.726	105	1554220	205.16 ug/L	99
122) sec-butylbenzene	16.883	105	2156504	216.21 ug/L	98
123) 1,3-dichlorobenzene	17.093	146	1021605	200.37 ug/L	98
124) p-isopropyltoluene	16.988	119	1856834	211.06 ug/L	100
126) 1,4-dichlorobenzene	17.171	146	1016698	204.65 ug/L	99
127) 1,2-dichlorobenzene	17.559	146	1044443	199.25 ug/L	98
128) n-butylbenzene	17.386	92	958024	212.05 ug/L	98
129) 1,2-dibromo-3-chloropr...	18.351	75	122476	200.47 ug/L	96
130) 1,3,5-trichlorobenzene	18.503	180	1061774	200.37 ug/L	98
131) 1,2,4-trichlorobenzene	19.169	180	946808	203.66 ug/L	100
132) hexachlorobutadiene	19.258	225	526097	198.00 ug/L	98
133) naphthalene	19.468	128	1984835	205.31 ug/L	99
134) 1,2,3-trichlorobenzene	19.714	180	838067	200.86 ug/L	99
135) hexachloroethane	17.801	201	428117	258.19 ug/L	98

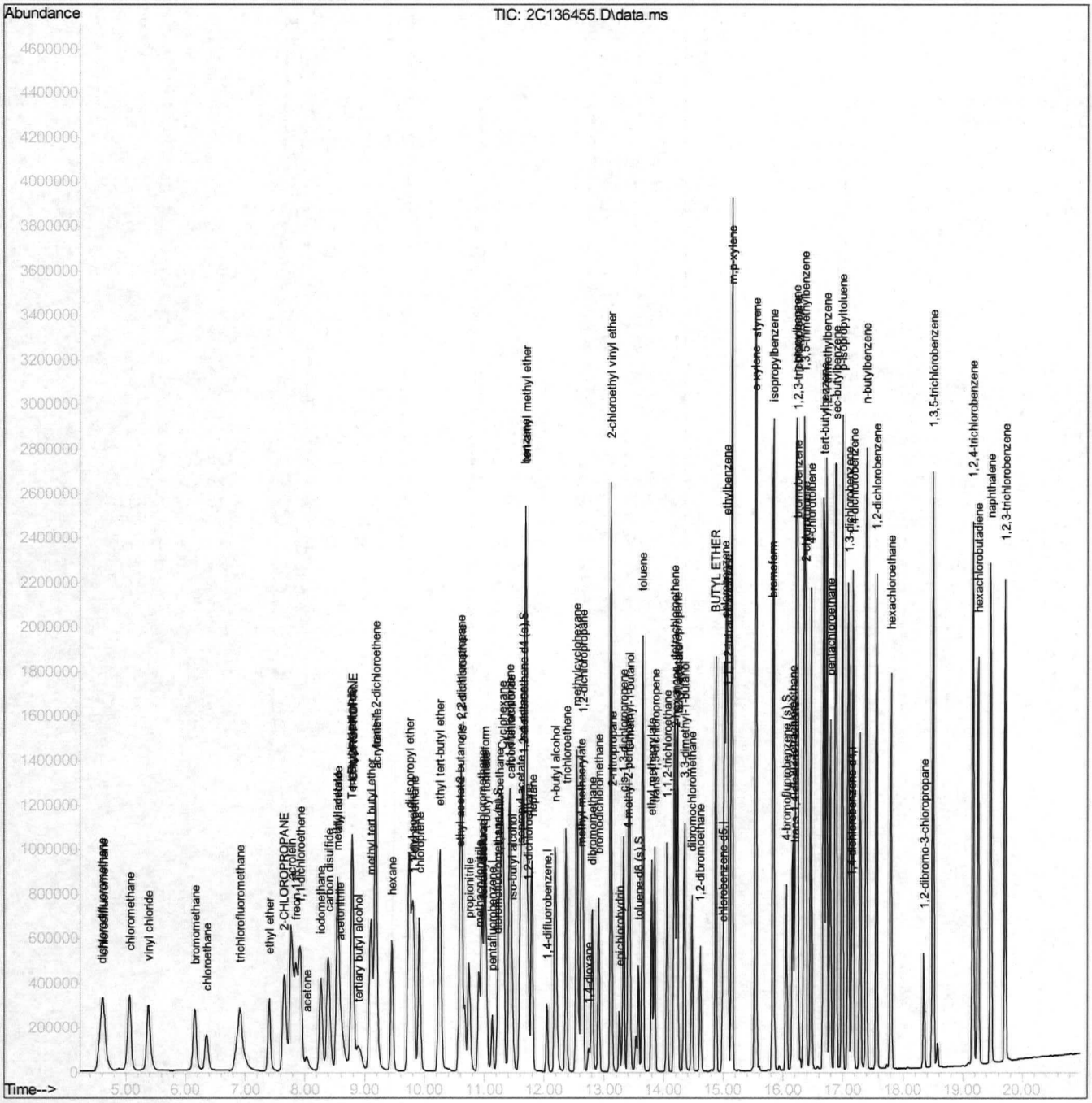
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.10 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136455.D
Acq On : 29 Jan 2016 2:28 pm
Operator : ToanP
Sample : IC6139-200
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 01 15:52:51 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Jan 29 15:09:39 2016
Response via : Initial Calibration



SGS ACCUTEST JC14082

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136458.D
Acq On : 29 Jan 2016 3:54 pm
Operator : ToanP
Sample : ICV6139-50
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 01 15:53:37 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Feb 01 15:49:22 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.772	65	156198	500.00	ug/L	-0.01
5) pentafluorobenzene	11.137	168	229744	50.00	ug/L	0.00
61) 1,4-difluorobenzene	12.049	114	263540	50.00	ug/L	0.00
92) chlorobenzene-d5	14.990	117	236633	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	17.145	152	138763	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	11.221	113	91371	50.15	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 100.30%			
55) 1,2-dichloroethane-d4 (s)	11.645	65	90206	48.21	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 96.42%			
84) toluene-d8 (s)	13.580	98	304452	50.27	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 100.54%			
109) 4-bromofluorobenzene (s)	16.055	95	115607	50.60	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.20%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.893	59	81862	215.70	ug/L	98
4) 1,4-dioxane	12.746	88	25409	993.82	ug/L	94
11) chlorodifluoromethane	4.630	51	164171	52.27	ug/L	97
12) dichlorodifluoromethane	4.588	85	190737	50.69	ug/L	97
15) chloromethane	5.049	50	214697	46.11	ug/L	97
16) vinyl chloride	5.375	62	201424	49.50	ug/L	99
17) bromomethane	6.171	94	115120	45.94	ug/L	97
18) chloroethane	6.360	64	83874	50.44	ug/L	97
19) trichlorofluoromethane	6.921	101	206664	50.28	ug/L	99
21) ethyl ether	7.398	74	51073	46.81	ug/L	98
22) 2-CHLOROPROPANE	7.655	43	196169	48.72	ug/L	99
26) acrolein	7.765	56	287849	486.34	ug/L	99
27) 1,1-dichloroethene	7.917	61	161940	51.08	ug/L	98
28) acetone	8.033	58	9984	45.55	ug/L	93
29) allyl chloride	8.547	76	60884	48.32	ug/L	94
30) acetonitrile	8.573	40	117553	454.82	ug/L #	50
31) iodomethane	8.274	142	225463	51.74	ug/L	98
32) iso-butyl alcohol	11.456	42	36046	414.08	ug/L	93
33) carbon disulfide	8.395	76	390583	51.10	ug/L	99
34) methylene chloride	8.788	84	116863	49.93	ug/L	99
35) 1-CHLOROPROPANE	8.798	42	180127	45.40	ug/L	98
36) methyl acetate	8.536	74	18508	51.44	ug/L	94
37) methyl tert butyl ether	9.102	73	680548	95.28	ug/L	92
38) trans-1,2-dichloroethene	9.171	61	136959	46.43	ug/L	99
39) di-isopropyl ether	9.747	45	385590	50.92	ug/L	98
40) 2-butanone	10.597	72	11450	43.56	ug/L	94
41) 1,1-dichloroethane	9.821	63	172380	48.06	ug/L	99
42) chloroprene	9.915	53	133432	51.17	ug/L	98
43) acrylonitrile	9.191	53	214189	226.76	ug/L	98
44) vinyl acetate	9.800	86	18369	53.22	ug/L	81
45) ethyl tert-butyl ether	10.256	59	375938	52.48	ug/L	98
46) ethyl acetate	10.586	45	14850	45.45	ug/L	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136458.D
Acq On : 29 Jan 2016 3:54 pm
Operator : ToanP
Sample : ICV6139-50
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 01 15:53:37 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Feb 01 15:49:22 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47)	2,2-dichloropropane	10.612	77	155766	43.87 ug/L	98
48)	cis-1,2-dichloroethene	10.623	96	107963	44.75 ug/L	97
49)	propionitrile	10.743	54	165676	433.99 ug/L	97
50)	bromochloromethane	10.958	128	55005	48.44 ug/L	99
51)	tetrahydrofuran	10.985	42	38665	44.25 ug/L	95
52)	chloroform	11.011	83	161736	49.39 ug/L	98
53)	t-butyl formate	11.027	59	92754	44.55 ug/L	97
56)	freon 113	7.860	151	106661	62.64 ug/L	93
57)	methacrylonitrile	10.911	67	40606	45.91 ug/L	97
58)	1,1,1-trichloroethane	11.247	97	154759	52.67 ug/L	98
59)	Cyclohexane	11.294	84	162494	53.91 ug/L	97
63)	epichlorohydrin	13.260	57	51315	224.79 ug/L	99
64)	n-butyl alcohol	12.185	56	157938	1779.08 ug/L	97
65)	carbon tetrachloride	11.435	117	144151	52.78 ug/L	99
66)	1,1-dichloropropene	11.420	75	115566	49.03 ug/L	98
67)	hexane	9.459	57	80385	42.69 ug/L	99
69)	iso-octane	11.635	57	425499	60.23 ug/L	99
70)	benzene	11.687	78	343881	44.76 ug/L	99
71)	tert-amyl methyl ether	11.692	87	75319	51.51 ug/L	95
72)	heptane	11.792	57	73641	60.38 ug/L	99
73)	isopropyl acetate	11.598	43	275429	54.22 ug/L	98
74)	1,2-dichloroethane	11.734	62	108619	46.70 ug/L	99
75)	trichloroethene	12.369	95	87508	49.26 ug/L	97
76)	2-nitropropane	13.134	41	33531	44.02 ug/L	100
77)	2-chloroethyl vinyl ether	13.119	63	299665	260.38 ug/L	99
78)	methyl methacrylate	12.615	100	23231	48.31 ug/L	96
79)	1,2-dichloropropane	12.641	63	87158	47.60 ug/L	98
80)	dibromomethane	12.804	93	57877	47.75 ug/L	99
81)	methylcyclohexane	12.547	83	181628	60.46 ug/L	99
82)	bromodichloromethane	12.914	83	118343	48.85 ug/L	100
83)	cis-1,3-dichloropropene	13.328	75	140257	46.42 ug/L	98
85)	4-methyl-2-pentanone	13.407	58	39270	48.55 ug/L	99
86)	toluene	13.648	92	202869	49.31 ug/L	100
87)	3-methyl-1-butanol	13.428	55	103780	788.33 ug/L	97
88)	trans-1,3-dichloropropene	13.853	75	126814	46.34 ug/L	100
89)	ethyl methacrylate	13.805	69	107649	47.87 ug/L	99
90)	1,1,2-trichloroethane	14.057	83	64394	47.72 ug/L	98
91)	2-hexanone	14.193	58	33478	43.74 ug/L	98
93)	tetrachloroethene	14.183	164	80425	49.76 ug/L	100
94)	1,3-dichloropropane	14.225	76	117866	45.65 ug/L	99
95)	butyl acetate	14.235	56	61499	48.36 ug/L	93
96)	3,3-dimethyl-1-butanol	14.351	57	128486	436.14 ug/L	99
97)	dibromochloromethane	14.476	129	98370	47.90 ug/L	99
98)	1,2-dibromoethane	14.618	107	85087	47.51 ug/L	100
99)	BUTYL ETHER	14.875	57	369594	48.98 ug/L	100
100)	chlorobenzene	15.022	112	231058	48.14 ug/L	99
101)	1,1,1,2-tetrachloroethane	15.074	131	101404	48.50 ug/L	99
102)	ethylbenzene	15.053	91	374977	45.98 ug/L	100
103)	m,p-xylene	15.148	106	293751	96.66 ug/L	97
104)	o-xylene	15.536	106	156665	49.29 ug/L	93

7.6.11 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136458.D
Acq On : 29 Jan 2016 3:54 pm
Operator : ToanP
Sample : ICV6139-50
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 01 15:53:37 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Feb 01 15:49:22 2016
Response via : Initial Calibration

Compound	R:T.	QIon	Response	Conc Units	Dev(Min)
105) styrene	15.551	104	250301	46.34 ug/L	99
106) bromoform	15.834	173	80783	49.11 ug/L	99
108) isopropylbenzene	15.845	105	429070	52.00 ug/L	99
111) bromobenzene	16.243	156	116816	44.11 ug/L	98
112) 1,1,2,2-tetrachloroethane	16.159	83	121492	47.51 ug/L	96
113) trans-1,4-dichloro-2-b...	16.191	88	16494	46.96 ug/L	94
114) 1,2,3-trichloropropane	16.233	110	28031	46.83 ug/L	98
115) n-propylbenzene	16.217	91	470198	49.83 ug/L	99
116) 2-chlorotoluene	16.374	126	103660	47.65 ug/L	99
117) 4-chlorotoluene	16.469	91	283964	48.11 ug/L	100
118) 1,3,5-trimethylbenzene	16.353	105	364942	50.05 ug/L	99
119) tert-butylbenzene	16.679	134	74442	50.47 ug/L	98
120) pentachloroethane	16.789	167	80931	51.91 ug/L	99
121) 1,2,4-trimethylbenzene	16.726	105	370369	48.27 ug/L	99
122) sec-butylbenzene	16.878	105	498760	51.77 ug/L	100
123) 1,3-dichlorobenzene	17.087	146	240965	47.44 ug/L	99
124) p-isopropyltoluene	16.988	119	428492	50.58 ug/L	99
126) 1,4-dichlorobenzene	17.171	146	237843	47.69 ug/L	100
127) 1,2-dichlorobenzene	17.559	146	248265	47.43 ug/L	100
128) n-butylbenzene	17.386	92	223693	50.74 ug/L	98
129) 1,2-dibromo-3-chloropr...	18.351	75	26801	40.36 ug/L	95
130) 1,3,5-trichlorobenzene	18.503	180	260634	49.78 ug/L	99
131) 1,2,4-trichlorobenzene	19.169	180	236108	49.70 ug/L	99
132) hexachlorobutadiene	19.258	225	128869	48.45 ug/L	100
133) naphthalene	19.468	128	481353	47.84 ug/L	99
134) 1,2,3-trichlorobenzene	19.714	180	207753	48.37 ug/L	98
135) hexachloroethane	17.801	201	86647	44.07 ug/L	99

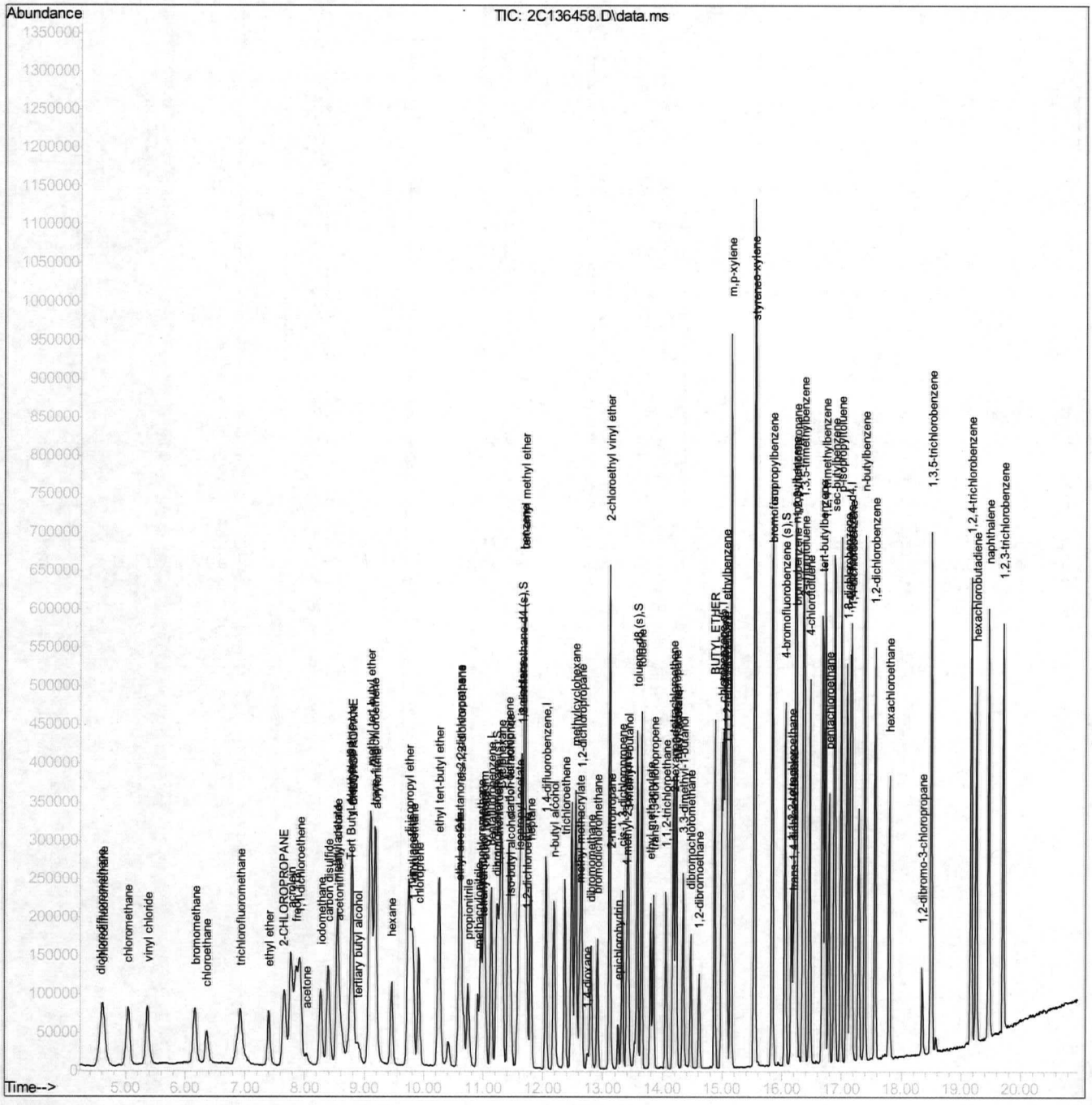
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.11 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136458.D
Acq On : 29 Jan 2016 3:54 pm
Operator : ToanP
Sample : ICV6139-50
Misc : MS97676,V2C6139,w,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 01 15:53:37 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Mon Feb 01 15:49:22 2016
Response via : Initial Calibration



SGS ACCUTEST JC14082

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136695.D
Acq On : 12 Feb 2016 12:18 pm
Operator : ToanP
Sample : cc6139-20
Misc : MS98346,V2C6152,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 12 17:02:15 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.699	65	153627	500.00	ug/L	0.00
5) pentafluorobenzene	11.084	168	208912	50.00	ug/L	0.00
61) 1,4-difluorobenzene	11.996	114	245758	50.00	ug/L	0.00
92) chlorobenzene-d5	14.948	117	213938	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	17.103	152	126441	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	11.163	113	90353	54.53	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 109.06%			
55) 1,2-dichloroethane-d4 (s)	11.588	65	92959	54.63	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 109.26%			
84) toluene-d8 (s)	13.538	98	294547	52.16	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 104.32%			
109) 4-bromofluorobenzene (s)	16.013	95	111895	53.75	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.50%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.814	59	37245	99.78	ug/L	99
4) 1,4-dioxane	12.699	88	13622	541.71	ug/L	95
11) chlorodifluoromethane	4.593	51	66466	23.27	ug/L	98
12) dichlorodifluoromethane	4.562	85	50097	14.64	ug/L	98
15) chloromethane	4.997	50	73138	17.27	ug/L	95
16) vinyl chloride	5.322	62	72309	19.54	ug/L	98
17) bromomethane	6.109	94	36656	16.09	ug/L	98
18) chloroethane	6.308	64	31144	20.60	ug/L	95
19) trichlorofluoromethane	6.874	101	65890	17.63	ug/L	99
21) ethyl ether	7.346	74	20195	20.36	ug/L	97
22) 2-CHLOROPROPANE	7.603	43	80114	21.88	ug/L	98
26) acrolein	7.708	56	99765	185.37	ug/L	96
27) 1,1-dichloroethene	7.854	61	63881	22.16	ug/L	98
28) acetone	7.970	58	4042	20.28	ug/L #	82
29) allyl chloride	8.489	76	24050	20.99	ug/L #	87
30) acetonitrile	8.510	40	51921	220.92	ug/L #	47
31) iodomethane	8.206	142	83830	21.16	ug/L	99
32) iso-butyl alcohol	11.404	42	16531	208.84	ug/L	91
33) carbon disulfide	8.326	76	159025	22.88	ug/L	98
34) methylene chloride	8.725	84	46701	21.94	ug/L	97
35) 1-CHLOROPROPANE	8.735	42	85667	20.81	ug/L	99
36) methyl acetate	8.478	74	6163	18.84	ug/L	92
37) methyl tert butyl ether	9.045	73	137031	21.10	ug/L	98
38) trans-1,2-dichloroethene	9.118	61	57804	21.55	ug/L	98
39) di-isopropyl ether	9.695	45	145067	21.07	ug/L	97
40) 2-butanone	10.539	72	4994	20.90	ug/L #	78
41) 1,1-dichloroethane	9.763	63	70107	21.50	ug/L	98
42) chloroprene	9.857	53	51381	21.67	ug/L	98
43) acrylonitrile	9.129	53	90530	105.40	ug/L	97
44) vinyl acetate	9.737	86	6328	20.16	ug/L	91
45) ethyl tert-butyl ether	10.203	59	139882	21.47	ug/L	98
46) ethyl acetate	10.528	45	5696	19.17	ug/L #	81

7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136695.D
Acq On : 12 Feb 2016 12:18 pm
Operator : ToanP
Sample : cc6139-20
Misc : MS98346,V2C6152,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 12 17:02:15 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	2,2-dichloropropane	10.555	77	71538	22.16 ug/L		95
48)	cis-1,2-dichloroethene	10.565	96	44180	20.14 ug/L		96
49)	propionitrile	10.680	54	71451	205.83 ug/L		99
50)	bromochloromethane	10.901	128	21625	20.94 ug/L		95
51)	tetrahydrofuran	10.927	42	16873	21.24 ug/L		95
52)	chloroform	10.953	83	64798	21.76 ug/L		96
53)	t-butyl formate	10.974	59	41528	21.94 ug/L		99
56)	freon 113	7.802	151	33361	21.54 ug/L		98
57)	methacrylonitrile	10.853	67	16112	20.04 ug/L		94
58)	1,1,1-trichloroethane	11.194	97	61078	22.86 ug/L		95
59)	Cyclohexane	11.247	84	60877	22.21 ug/L		96
63)	epichlorohydrin	13.213	57	20590	96.72 ug/L		94
64)	n-butyl alcohol	12.128	56	72107	871.01 ug/L		99
65)	carbon tetrachloride	11.388	117	54533	21.41 ug/L		99
66)	1,1-dichloropropene	11.362	75	44860	20.41 ug/L		96
67)	hexane	9.406	57	32147	18.31 ug/L		98
69)	iso-octane	11.588	57	134230	20.37 ug/L		98
70)	benzene	11.635	78	139479	19.47 ug/L		99
71)	tert-amyl methyl ether	11.645	87	28418	20.84 ug/L		95
72)	heptane	11.750	57	22457	19.75 ug/L		97
73)	isopropyl acetate	11.546	43	91387	19.29 ug/L		99
74)	1,2-dichloroethane	11.677	62	42915	19.79 ug/L		94
75)	trichloroethene	12.316	95	34472	20.81 ug/L		95
76)	2-nitropropane	13.082	41	13744	19.35 ug/L	#	39
77)	2-chloroethyl vinyl ether	13.066	63	105248	98.07 ug/L		99
78)	methyl methacrylate	12.568	100	8998	20.06 ug/L		92
79)	1,2-dichloropropane	12.589	63	34979	20.49 ug/L		98
80)	dibromomethane	12.751	93	22786	20.16 ug/L		99
81)	methylcyclohexane	12.505	83	58973	21.05 ug/L		93
82)	bromodichloromethane	12.862	83	46038	20.38 ug/L		98
83)	cis-1,3-dichloropropene	13.281	75	54787	19.45 ug/L		96
85)	4-methyl-2-pentanone	13.360	58	15738	20.86 ug/L		95
86)	toluene	13.606	92	76499	19.94 ug/L		100
87)	3-methyl-1-butanol	13.375	55	46794	381.17 ug/L		97
88)	trans-1,3-dichloropropene	13.805	75	49243	19.30 ug/L		100
89)	ethyl methacrylate	13.763	69	41439	19.76 ug/L		96
90)	1,1,2-trichloroethane	14.010	83	25240	20.06 ug/L		100
91)	2-hexanone	14.146	58	13543	18.97 ug/L	#	82
93)	tetrachloroethene	14.141	164	28989	19.84 ug/L		98
94)	1,3-dichloropropane	14.178	76	46349	19.86 ug/L		99
95)	butyl acetate	14.188	56	23470	20.41 ug/L		99
96)	3,3-dimethyl-1-butanol	14.303	57	53757	201.83 ug/L		99
97)	dibromochloromethane	14.429	129	36745	19.79 ug/L		98
98)	1,2-dibromoethane	14.571	107	32103	19.83 ug/L		93
99)	BUTYL ETHER	14.838	57	151992	22.28 ug/L		98
100)	chlorobenzene	14.980	112	86644	19.97 ug/L		97
101)	1,1,1,2-tetrachloroethane	15.032	131	38734	20.49 ug/L		93
102)	ethylbenzene	15.011	91	149657	20.30 ug/L		99
103)	m,p-xylene	15.106	106	116913	42.55 ug/L		98
104)	o-xylene	15.494	106	62066	21.60 ug/L		100

7.6.12 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136695.D
Acq On : 12 Feb 2016 12:18 pm
Operator : ToanP
Sample : cc6139-20
Misc : MS98346,V2C6152,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 12 17:02:15 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
105) styrene	15.509	104	100742	20.63 ug/L	98
106) bromoform	15.787	173	30260	20.35 ug/L	99
108) isopropylbenzene	15.803	105	172291	22.92 ug/L	100
111) bromobenzene	16.201	156	45163	18.71 ug/L	99
112) 1,1,2,2-tetrachloroethane	16.117	83	49333	21.17 ug/L	97
113) trans-1,4-dichloro-2-b...	16.149	88	6758	21.12 ug/L	93
114) 1,2,3-trichloropropane	16.191	110	11463	21.02 ug/L	89
115) n-propylbenzene	16.180	91	195851	22.78 ug/L	99
116) 2-chlorotoluene	16.332	126	41009	20.69 ug/L	88
117) 4-chlorotoluene	16.422	91	116309	21.62 ug/L	99
118) 1,3,5-trimethylbenzene	16.311	105	148568	22.36 ug/L	100
119) tert-butylbenzene	16.637	134	27041	20.12 ug/L	88
120) pentachloroethane	16.747	167	31661	22.29 ug/L	98
121) 1,2,4-trimethylbenzene	16.684	105	153831	22.00 ug/L	99
122) sec-butylbenzene	16.841	105	202479	23.07 ug/L	98
123) 1,3-dichlorobenzene	17.046	146	97051	20.97 ug/L	96
124) p-isopropyltoluene	16.946	119	176838	22.91 ug/L	98
126) 1,4-dichlorobenzene	17.124	146	95191	20.95 ug/L	98
127) 1,2-dichlorobenzene	17.517	146	99844	20.94 ug/L	97
128) n-butylbenzene	17.344	92	93827	23.36 ug/L	99
129) 1,2-dibromo-3-chloropr...	18.304	75	12072	19.95 ug/L	96
130) 1,3,5-trichlorobenzene	18.461	180	104823	21.97 ug/L	98
131) 1,2,4-trichlorobenzene	19.122	180	92642	21.40 ug/L	98
132) hexachlorobutadiene	19.216	225	49157	20.28 ug/L	95
133) naphthalene	19.421	128	200658	21.89 ug/L	98
134) 1,2,3-trichlorobenzene	19.667	180	84878	21.69 ug/L	99
135) hexachloroethane	17.759	201	31108	19.00 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

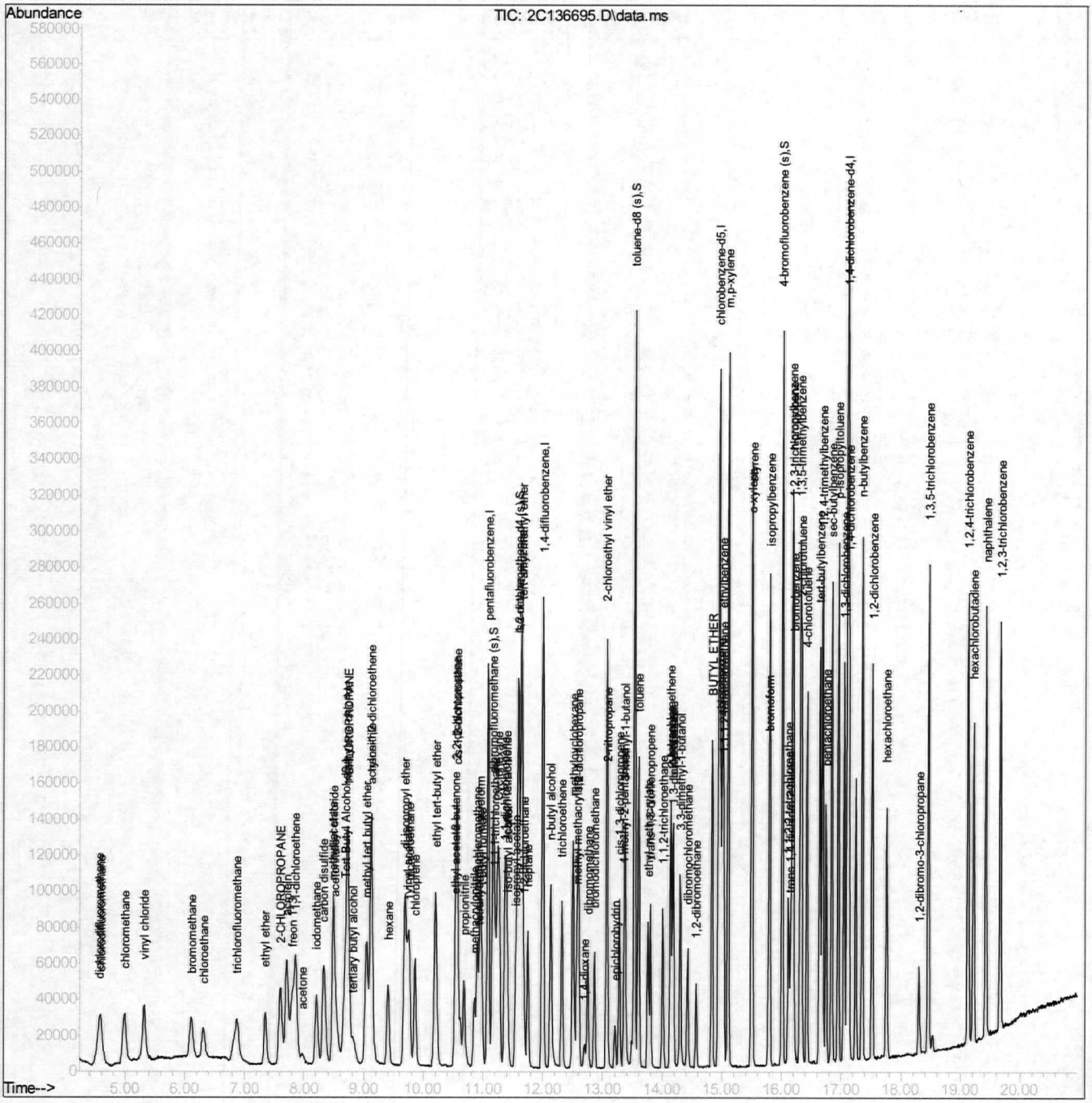
7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136695.D
Acq On : 12 Feb 2016 12:18 pm
Operator : ToanP
Sample : cc6139-20
Misc : MS98346,V2C6152,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 12 17:02:15 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration



7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136717.D
Acq On : 12 Feb 2016 11:04 pm
Operator : ToanP
Sample : cc6139-50
Misc : MS98363,V2C6152,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 15 09:27:07 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.704	65	146744	500.00	ug/L	0.00
5) pentafluorobenzene	11.084	168	218883	50.00	ug/L	0.00
61) 1,4-difluorobenzene	11.996	114	254263	50.00	ug/L	0.00
92) chlorobenzene-d5	14.948	117	222232	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	17.103	152	128259	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	11.168	113	92173	53.10	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 106.20%			
55) 1,2-dichloroethane-d4 (s)	11.593	65	95088	53.34	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 106.68%			
84) toluene-d8 (s)	13.538	98	307738	52.67	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 105.34%			
109) 4-bromofluorobenzene (s)	16.013	95	116701	55.26	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.52%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.830	59	89888	252.11	ug/L	98
4) 1,4-dioxane	12.694	88	30097	1253.02	ug/L	98
11) chlorodifluoromethane	4.583	51	160809	53.74	ug/L	99
12) dichlorodifluoromethane	4.562	85	130435	36.39	ug/L	95
15) chloromethane	5.002	50	178725	40.29	ug/L	96
16) vinyl chloride	5.327	62	173592	44.78	ug/L	98
17) bromomethane	6.109	94	86515	36.24	ug/L	99
18) chloroethane	6.308	64	74198	46.84	ug/L	98
19) trichlorofluoromethane	6.869	101	164259	41.95	ug/L	99
21) ethyl ether	7.351	74	52069	50.09	ug/L	92
22) 2-CHLOROPROPANE	7.603	43	202787	52.86	ug/L	99
26) acrolein	7.708	56	240483	426.48	ug/L	98
27) 1,1-dichloroethene	7.860	61	161513	53.47	ug/L	99
28) acetone	7.980	58	10907	52.23	ug/L #	64
29) allyl chloride	8.489	76	60846	50.69	ug/L	95
30) acetonitrile	8.505	40	122202	496.26	ug/L #	1
31) iodomethane	8.206	142	213693	51.47	ug/L	99
32) iso-butyl alcohol	11.404	42	37604	453.41	ug/L	86
33) carbon disulfide	8.332	76	394781	54.21	ug/L	99
34) methylene chloride	8.725	84	118239	53.03	ug/L	97
35) 1-CHLOROPROPANE	8.741	42	196857	52.99	ug/L	99
36) methyl acetate	8.478	74	16419	47.89	ug/L	91
37) methyl tert butyl ether	9.050	73	354801	52.14	ug/L	99
38) trans-1,2-dichloroethene	9.118	61	145067	51.62	ug/L	99
39) di-isopropyl ether	9.695	45	366547	50.81	ug/L	97
40) 2-butanone	10.539	72	12583	50.25	ug/L #	93
41) 1,1-dichloroethane	9.763	63	183175	53.60	ug/L	98
42) chloroprene	9.863	53	126831	51.05	ug/L	97
43) acrylonitrile	9.129	53	221802	246.47	ug/L	97
44) vinyl acetate	9.737	86	16683	50.73	ug/L	97
45) ethyl tert-butyl ether	10.203	59	359444	52.67	ug/L	98
46) ethyl acetate	10.539	45	14730	47.32	ug/L	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136717.D
Acq On : 12 Feb 2016 11:04 pm
Operator : ToanP
Sample : cc6139-50
Misc : MS98363,V2C6152,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 15 09:27:07 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 2,2-dichloropropane	10.555	77	153566	45.40 ug/L	97
48) cis-1,2-dichloroethene	10.565	96	114480	49.81 ug/L	95
49) propionitrile	10.681	54	181741	499.69 ug/L	97
50) bromochloromethane	10.906	128	55992	51.76 ug/L	97
51) tetrahydrofuran	10.927	42	42023	50.48 ug/L	97
52) chloroform	10.953	83	167410	53.66 ug/L	97
53) t-butyl formate	10.974	59	102986	51.92 ug/L	99
56) freon 113	7.813	151	81342	50.14 ug/L	98
57) methacrylonitrile	10.848	67	43455	51.57 ug/L	97
58) 1,1,1-trichloroethane	11.194	97	156538	55.92 ug/L	96
59) Cyclohexane	11.242	84	157500	54.85 ug/L	91
63) epichlorohydrin	13.213	57	53301	242.01 ug/L	94
64) n-butyl alcohol	12.133	56	182086	2125.93 ug/L	98
65) carbon tetrachloride	11.388	117	140021	53.14 ug/L	98
66) 1,1-dichloropropene	11.367	75	118896	52.29 ug/L	96
67) hexane	9.406	57	79889	43.97 ug/L	100
69) iso-octane	11.593	57	332246	48.74 ug/L	97
70) benzene	11.640	78	360225	48.59 ug/L	98
71) tert-amyl methyl ether	11.645	87	70481	49.96 ug/L	98
72) heptane	11.750	57	54112	45.99 ug/L	97
73) isopropyl acetate	11.551	43	242693	49.52 ug/L	100
74) 1,2-dichloroethane	11.682	62	115167	51.32 ug/L	99
75) trichloroethene	12.322	95	91298	53.26 ug/L	98
76) 2-nitropropane	13.082	41	35292	48.03 ug/L #	60
77) 2-chloroethyl vinyl ether	13.071	63	276280	248.82 ug/L	98
78) methyl methacrylate	12.568	100	24232	52.23 ug/L #	92
79) 1,2-dichloropropane	12.589	63	91293	51.68 ug/L	99
80) dibromomethane	12.752	93	60354	51.61 ug/L	98
81) methylcyclohexane	12.505	83	148191	51.13 ug/L	94
82) bromodichloromethane	12.867	83	123098	52.67 ug/L	94
83) cis-1,3-dichloropropene	13.281	75	145028	49.75 ug/L	96
85) 4-methyl-2-pentanone	13.360	58	41219	52.82 ug/L	98
86) toluene	13.606	92	211286	53.23 ug/L	97
87) 3-methyl-1-butanol	13.381	55	114677	902.88 ug/L	97
88) trans-1,3-dichloropropene	13.805	75	133068	50.40 ug/L	98
89) ethyl methacrylate	13.763	69	113003	52.09 ug/L	99
90) 1,1,2-trichloroethane	14.010	83	67455	51.82 ug/L	98
91) 2-hexanone	14.146	58	35079	47.50 ug/L	93
93) tetrachloroethene	14.141	164	77816	51.27 ug/L	98
94) 1,3-dichloropropane	14.178	76	124900	51.51 ug/L	94
95) butyl acetate	14.193	56	59902	50.16 ug/L	98
96) 3,3-dimethyl-1-butanol	14.303	57	133773	483.51 ug/L	98
97) dibromochloromethane	14.429	129	100643	52.19 ug/L	95
98) 1,2-dibromoethane	14.576	107	87200	51.84 ug/L	99
99) BUTYL ETHER	14.838	57	388250	54.78 ug/L	100
100) chlorobenzene	14.980	112	233397	51.78 ug/L	99
101) 1,1,1,2-tetrachloroethane	15.032	131	101526	51.70 ug/L	95
102) ethylbenzene	15.011	91	387440	50.58 ug/L	99
103) m,p-xylene	15.106	106	300890	105.43 ug/L	98
104) o-xylene	15.499	106	162151	54.33 ug/L	98

7.6.13

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136717.D
Acq On : 12 Feb 2016 11:04 pm
Operator : ToanP
Sample : cc6139-50
Misc : MS98363,V2C6152,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 15 09:27:07 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
105) styrene	15.509	104	261095	51.47 ug/L	99
106) bromoform	15.787	173	79976	51.77 ug/L	96
108) isopropylbenzene	15.803	105	442023	57.96 ug/L	99
111) bromobenzene	16.201	156	115433	47.15 ug/L	99
112) 1,1,2,2-tetrachloroethane	16.118	83	127603	53.98 ug/L	96
113) trans-1,4-dichloro-2-b...	16.149	88	17140	52.79 ug/L	98
114) 1,2,3-trichloropropane	16.191	110	28150	50.88 ug/L	88
115) n-propylbenzene	16.180	91	491266	56.33 ug/L	100
116) 2-chlorotoluene	16.333	126	103805	51.63 ug/L	95
117) 4-chlorotoluene	16.427	91	297147	54.46 ug/L	97
118) 1,3,5-trimethylbenzene	16.312	105	375594	55.73 ug/L	98
119) tert-butylbenzene	16.642	134	72695	53.33 ug/L	91
120) pentachloroethane	16.747	167	83153	57.71 ug/L	98
121) 1,2,4-trimethylbenzene	16.684	105	381050	53.73 ug/L	100
122) sec-butylbenzene	16.841	105	511652	57.46 ug/L	99
123) 1,3-dichlorobenzene	17.046	146	241389	51.42 ug/L	98
124) p-isopropyltoluene	16.946	119	435540	55.62 ug/L	98
126) 1,4-dichlorobenzene	17.124	146	240529	52.18 ug/L	96
127) 1,2-dichlorobenzene	17.517	146	252414	52.18 ug/L	98
128) n-butylbenzene	17.350	92	230751	56.63 ug/L	99
129) 1,2-dibromo-3-chloropr...	18.304	75	29664	48.34 ug/L	98
130) 1,3,5-trichlorobenzene	18.461	180	254916	52.67 ug/L	99
131) 1,2,4-trichlorobenzene	19.127	180	227274	51.76 ug/L	97
132) hexachlorobutadiene	19.216	225	119242	48.50 ug/L	98
133) naphthalene	19.421	128	473632	50.93 ug/L	98
134) 1,2,3-trichlorobenzene	19.667	180	197947	49.86 ug/L	100
135) hexachloroethane	17.759	201	87853	48.08 ug/L	99

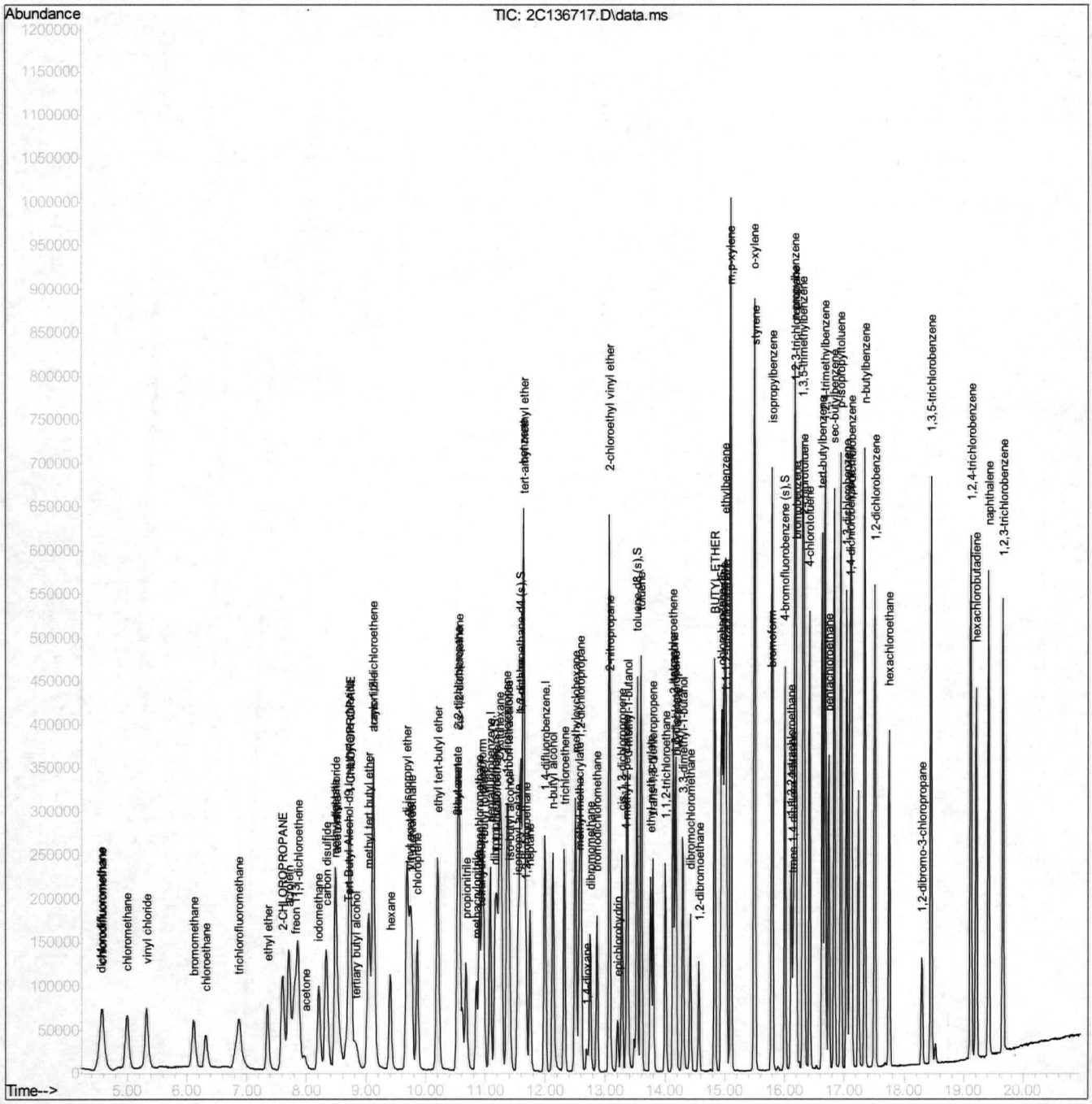
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.13 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136717.D
Acq On : 12 Feb 2016 11:04 pm
Operator : ToanP
Sample : cc6139-50
Misc : MS98363,V2C6152,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 15 09:27:07 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration



SGS ACCUTEST JC14082

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136726.D
Acq On : 13 Feb 2016 9:53 am
Operator : ToanP
Sample : cc6139-20
Misc : MS98363,V2C6153,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 15 09:45:29 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.699	65	166882	500.00	ug/L	0.00
5) pentafluorobenzene	11.084	168	215001	50.00	ug/L	0.00
61) 1,4-difluorobenzene	11.997	114	252220	50.00	ug/L	0.00
92) chlorobenzene-d5	14.948	117	225897	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	17.098	152	134409	50.00	ug/L	0.00
System Monitoring Compounds						
54) dibromofluoromethane (s)	11.163	113	91892	53.89	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 107.78%			
55) 1,2-dichloroethane-d4 (s)	11.588	65	97513	55.68	ug/L	0.00
Spiked Amount 50.000	Range 73 - 122		Recovery = 111.36%			
84) toluene-d8 (s)	13.538	98	309298	53.37	ug/L	0.00
Spiked Amount 50.000	Range 84 - 119		Recovery = 106.74%			
109) 4-bromofluorobenzene (s)	16.013	95	119635	54.06	ug/L	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.12%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.825	59	38416	94.74	ug/L	96
4) 1,4-dioxane	12.699	88	13284	486.31	ug/L	98
11) chlorodifluoromethane	4.593	51	62217	21.17	ug/L	99
12) dichlorodifluoromethane	4.562	85	57421	16.31	ug/L	96
15) chloromethane	5.002	50	89231	20.48	ug/L	94
16) vinyl chloride	5.322	62	81279	21.35	ug/L	99
17) bromomethane	6.114	94	41467	17.68	ug/L	98
18) chloroethane	6.313	64	33419	21.48	ug/L	96
19) trichlorofluoromethane	6.869	101	67525	17.56	ug/L	98
21) ethyl ether	7.346	74	21680	21.23	ug/L	96
22) 2-CHLOROPROPANE	7.598	43	84543	22.43	ug/L	98
26) acrolein	7.708	56	101937	184.04	ug/L	98
27) 1,1-dichloroethene	7.860	61	67945	22.90	ug/L	98
28) acetone	7.975	58	4461	21.75	ug/L #	63
29) allyl chloride	8.489	76	26210	22.23	ug/L #	88
30) acetonitrile	8.515	40	52783	218.22	ug/L #	50
31) iodomethane	8.211	142	88735	21.76	ug/L	98
32) iso-butyl alcohol	11.404	42	17203	211.17	ug/L	91
33) carbon disulfide	8.332	76	165670	23.16	ug/L	96
34) methylene chloride	8.720	84	50054	22.85	ug/L	95
35) 1-CHLOROPROPANE	8.741	42	91426	21.81	ug/L	98
36) methyl acetate	8.478	74	6477	19.23	ug/L	90
37) methyl tert butyl ether	9.050	73	148166	22.17	ug/L	98
38) trans-1,2-dichloroethene	9.118	61	60818	22.03	ug/L	100
39) di-isopropyl ether	9.695	45	141455	19.96	ug/L	97
40) 2-butanone	10.544	72	5275	21.45	ug/L #	59
41) 1,1-dichloroethane	9.763	63	75668	22.54	ug/L	98
42) chloroprene	9.863	53	49230	20.17	ug/L	97
43) acrylonitrile	9.129	53	100244	113.40	ug/L	94
44) vinyl acetate	9.742	86	6095	18.87	ug/L	96
45) ethyl tert-butyl ether	10.198	59	136496	20.36	ug/L	99
46) ethyl acetate	10.534	45	5839	19.10	ug/L	63

7.6.14

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136726.D
Acq On : 13 Feb 2016 9:53 am
Operator : ToanP
Sample : cc6139-20
Misc : MS98363,V2C6153,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 15 09:45:29 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
47)	2,2-dichloropropane	10.555	77	74861	22.53 ug/L		97
48)	cis-1,2-dichloroethene	10.565	96	47093	20.86 ug/L		95
49)	propionitrile	10.681	54	80918	226.50 ug/L		97
50)	bromochloromethane	10.901	128	23019	21.66 ug/L		97
51)	tetrahydrofuran	10.927	42	18313	22.40 ug/L		94
52)	chloroform	10.953	83	70297	22.94 ug/L		99
53)	t-butyl formate	10.969	59	39916	20.49 ug/L		97
56)	freon 113	7.813	151	31051	19.48 ug/L		95
57)	methacrylonitrile	10.854	67	18527	22.39 ug/L		92
58)	1,1,1-trichloroethane	11.189	97	63562	23.12 ug/L		96
59)	Cyclohexane	11.247	84	63948	22.67 ug/L		97
63)	epichlorohydrin	13.208	57	22139	101.34 ug/L		92
64)	n-butyl alcohol	12.133	56	78859	928.17 ug/L		97
65)	carbon tetrachloride	11.388	117	56306	21.54 ug/L		96
66)	1,1-dichloropropene	11.362	75	47966	21.26 ug/L		99
67)	hexane	9.412	57	31061	17.24 ug/L		98
69)	iso-octane	11.588	57	128880	19.06 ug/L		96
70)	benzene	11.635	78	149733	20.36 ug/L		98
71)	tert-amyl methyl ether	11.640	87	26956	19.26 ug/L		96
72)	heptane	11.750	57	21999	18.85 ug/L		97
73)	isopropyl acetate	11.546	43	93147	19.16 ug/L		96
74)	1,2-dichloroethane	11.677	62	47953	21.54 ug/L		92
75)	trichloroethene	12.322	95	37540	22.08 ug/L		98
76)	2-nitropropane	13.082	41	15180	20.82 ug/L	#	44
77)	2-chloroethyl vinyl ether	13.071	63	108363	98.38 ug/L		96
78)	methyl methacrylate	12.563	100	9602	20.86 ug/L	#	86
79)	1,2-dichloropropane	12.589	63	38093	21.74 ug/L		99
80)	dibromomethane	12.752	93	24586	21.19 ug/L		98
81)	methylcyclohexane	12.505	83	55702	19.37 ug/L		99
82)	bromodichloromethane	12.867	83	50289	21.69 ug/L		99
83)	cis-1,3-dichloropropene	13.281	75	61810	21.38 ug/L		98
85)	4-methyl-2-pentanone	13.360	58	17314	22.37 ug/L		96
86)	toluene	13.606	92	86750	22.03 ug/L		100
87)	3-methyl-1-butanol	13.381	55	48916	388.25 ug/L		99
88)	trans-1,3-dichloropropene	13.805	75	56314	21.50 ug/L		97
89)	ethyl methacrylate	13.763	69	45939	21.35 ug/L		99
90)	1,1,2-trichloroethane	14.010	83	28038	21.71 ug/L		98
91)	2-hexanone	14.146	58	16843	22.99 ug/L		94
93)	tetrachloroethene	14.141	164	32672	21.18 ug/L		99
94)	1,3-dichloropropane	14.178	76	52412	21.27 ug/L		99
95)	butyl acetate	14.193	56	24650	20.31 ug/L		95
96)	3,3-dimethyl-1-butanol	14.304	57	55715	198.11 ug/L		99
97)	dibromochloromethane	14.429	129	40284	20.55 ug/L		98
98)	1,2-dibromoethane	14.576	107	36030	21.07 ug/L		100
99)	BUTYL ETHER	14.838	57	166578	23.12 ug/L		99
100)	chlorobenzene	14.980	112	97683	21.32 ug/L		98
101)	1,1,1,2-tetrachloroethane	15.032	131	41577	20.83 ug/L		93
102)	ethylbenzene	15.011	91	166449	21.38 ug/L		99
103)	m,p-xylene	15.106	106	128638	44.34 ug/L		99
104)	o-xylene	15.494	106	68268	22.50 ug/L		98

7.6.14 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136726.D
Acq On : 13 Feb 2016 9:53 am
Operator : ToanP
Sample : cc6139-20
Misc : MS98363,V2C6153,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 15 09:45:29 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
105) styrene	15.509	104	111757	21.67 ug/L	98
106) bromoform	15.787	173	33328	21.22 ug/L	96
108) isopropylbenzene	15.803	105	186756	23.37 ug/L	99
111) bromobenzene	16.201	156	50369	19.63 ug/L	97
112) 1,1,2,2-tetrachloroethane	16.118	83	54744	22.10 ug/L	97
113) trans-1,4-dichloro-2-b...	16.149	88	7803	22.94 ug/L	94
114) 1,2,3-trichloropropane	16.191	110	12640	21.80 ug/L	89
115) n-propylbenzene	16.181	91	213835	23.40 ug/L	99
116) 2-chlorotoluene	16.333	126	44995	21.36 ug/L	89
117) 4-chlorotoluene	16.422	91	130988	22.91 ug/L	99
118) 1,3,5-trimethylbenzene	16.312	105	158696	22.47 ug/L	98
119) tert-butylbenzene	16.642	134	29125	20.39 ug/L	92
120) pentachloroethane	16.742	167	33560	22.22 ug/L	96
121) 1,2,4-trimethylbenzene	16.684	105	165846	22.32 ug/L	99
122) sec-butylbenzene	16.841	105	215801	23.13 ug/L	100
123) 1,3-dichlorobenzene	17.046	146	103856	21.11 ug/L	98
124) p-isopropyltoluene	16.946	119	188035	22.91 ug/L	98
126) 1,4-dichlorobenzene	17.124	146	103436	21.41 ug/L	95
127) 1,2-dichlorobenzene	17.517	146	109099	21.52 ug/L	100
128) n-butylbenzene	17.344	92	100701	23.58 ug/L	96
129) 1,2-dibromo-3-chloropr...	18.304	75	12854	19.99 ug/L	98
130) 1,3,5-trichlorobenzene	18.456	180	107890	21.27 ug/L	98
131) 1,2,4-trichlorobenzene	19.122	180	92532	20.11 ug/L	96
132) hexachlorobutadiene	19.216	225	50465	19.59 ug/L	96
133) naphthalene	19.421	128	193148	19.82 ug/L	99
134) 1,2,3-trichlorobenzene	19.662	180	80136	19.26 ug/L	98
135) hexachloroethane	17.759	201	34113	19.52 ug/L	98

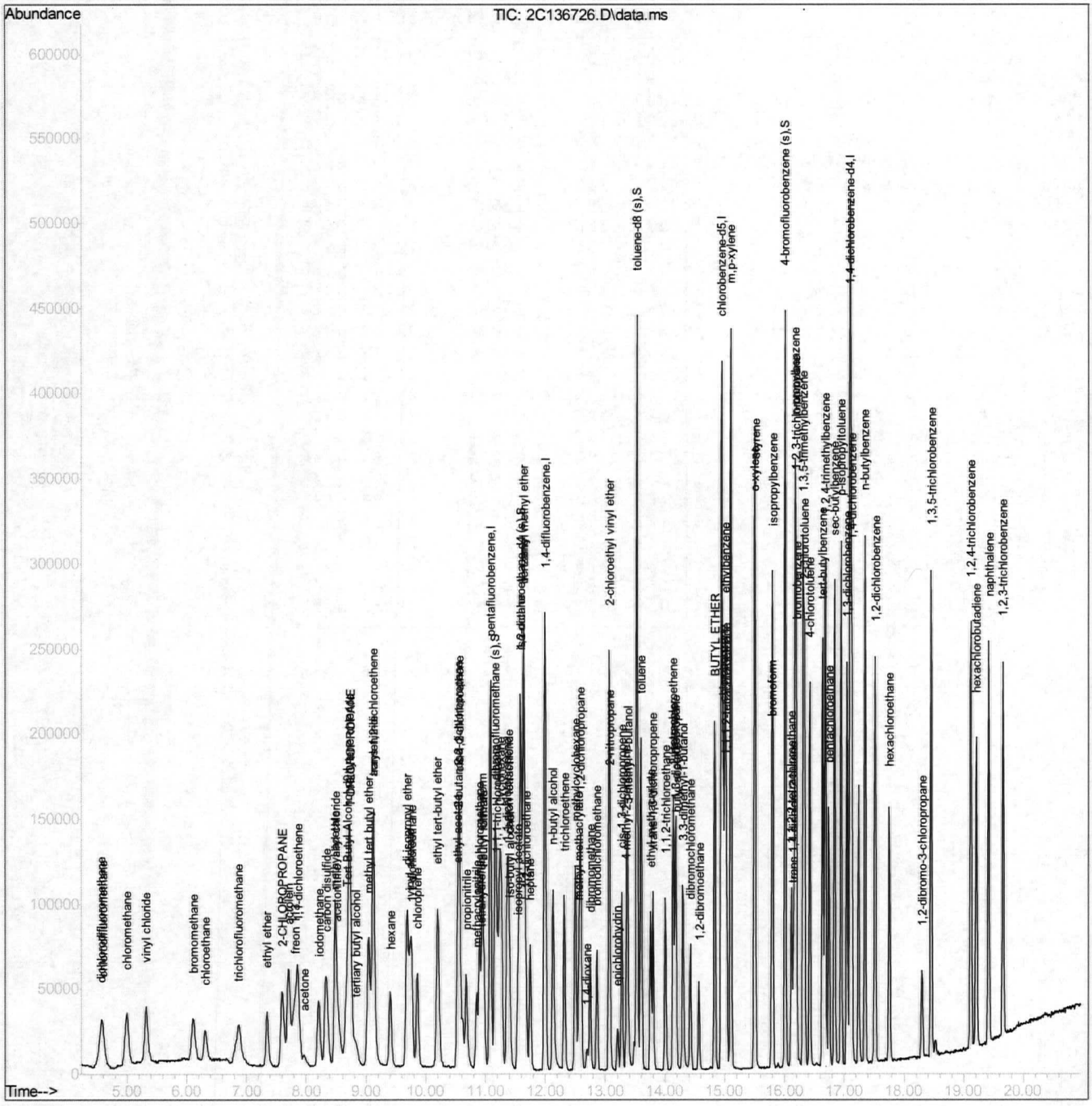
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.14 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2C136726.D
Acq On : 13 Feb 2016 9:53 am
Operator : ToanP
Sample : cc6139-20
Misc : MS98363,V2C6153,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 15 09:45:29 2016
Quant Method : C:\msdchem\1\METHODS\M2C6139.m
Quant Title : SW846 8260C, Column ZB624 60mX0.25mmX1.4um
QLast Update : Fri Feb 12 08:55:34 2016
Response via : Initial Calibration



SGS ACCUTEST JC14082

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2C6139

Print Analyst Name: Michael Lee

Analyst Signature: Michael Lee

Columns: ZB 624 (60m x 0.25mm x 1.4µ)

Method V8260C

Initial Cal. Method M2C6139

Date: 1/29/16

Standard Data

Lot #	Description	Conc.
V015-2258-34.24	Ext A	100 ppm
V015-2258-70.2	Ext B	100 ppm
V015-2258-44.10	Ext C	100 ppm
V015-2258-47.2	Ext Acrolein	1000 ppm
V015-2258-40	Ext Hexane	100 ppm

Standard Data

Lot #	Description	Conc.
V015-2258-35.33	STD A	100 ppm
V015-2258-41.34	STD B	100 ppm
V015-2258-65.10	STD C	100 ppm
V015-2258-52.19	Acrolein STD	1000 ppm
V015-2258-51	IS/Surr	250/2500 ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] **Date:** 1/29/~~2015~~ 2016 ZL 1/29/2016.

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	2C136445	BFB	8260 C										ok	9:34 Am	
	136446	IC6139-5	Turbo				5						ok	10µl STD A,B,C, acrolein/200mL	
	136447	IC6139-2					5						ok	4µl STD A,B,C, acrolein/200mL	
	136448	IC6139-1					5						ok	2µl STD A,B,C, acrolein/200mL	
	136449	IC6139-0.5					5						ok	2.5µl STD A,B,C, acrolein/500mL	
	136450	IC6139-0.2					5						ok	1µl STD A,B,C, acrolein/500mL	
	136451	IC6139-10					5						ok	10µl STD A,B,C, acrolein/100mL	
	136452	IC6139-20					5						ok	20µl STD A,B,C, acrolein/100mL	
	136453	ICC6139-50					5						ok	50µl STD A,B,C, acrolein/100mL	
	136454	IC6139-100					5						ok	100µl STD A,B,C, acrolein/100mL	
	136455	IC6139-200					5						ok	200µl STD A,B,C, acrolein/100mL	
	136456	IB													
	136457	IB													
	136458	ICV6139-50					5						ok ~~ok~~	25µl Ext A,B,C, acrolein, hexane/50mL ~~FBA low~~ ZL 1/29/2016	
	136459	IB													
														1/29/2016	

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4= analyst's correction error

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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2C 6152

Print Analyst Name: Tocan Pham

Date: 2/12/16

Analyst Signature:

Columns: 624 MEL 60m x 0.25mm x 1.4µm

Method 8260C

Initial Cal. Method MLC 6139

Standard Data

Lot #	Description	Conc.
WIS-2458-35.37	A	100 ppm
WIS-2458-41.55	B	100 ppm
WIS-2458-1152	C	100 ppm
WIS-2458-52.11	Air	1000 ppm
26635 pH paper exp 6/15/18		

Standard Data

Lot #	Description	Conc.
WIS-2458-34.40	Ext A	100 ppm
WIS-2458-40.65	Ext B	100 ppm
WIS-2458-104.8	Ext C	100 ppm
WIS-2458-47.8	Ext Air	1000 ppm
WIS-2458-84	ICS	200/2000 ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: **Date:** 2/15/2016

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	2C136693	BFB											OK	11:14 Am	
	136694	CC6139-20					5						ok	1µl volume A, B, C, Air	
	136695	CC6139-20					5						ok		
	136696	IB									✓		clip		
	136697	MB					5			✓	✓		ok		
	136698	BS					5				✓		ok	Ext A, B, C, Air 25 µl volume	
	136699	SB									✓		clip		
	136700	R14082-7	98363 S2	GW	8		5		1x		✓		ok	MTCQC	✓
FID	136701	R14045-3	98336 NSPTKHT	GW	3		5/50		10x				Not	run	✓
FID	136702	R14057-7	98346 MTXMT	GW	2		0.5/10		100x		✓		ok		✓
	136703	R14057-8	✓	GW	1		2/10		25x		✓		ok		✓
	136704	R14057-8	✓	GW	1		0.2/10		250x		✓		Not	Heel.	✓
	136705	R14057-2	✓	GW	1		0.5/10		100x		✓		ok		✓
	136706	R14057-2	✓	GW	1		50µl/50ml		1000x		✓		Not	Heel.	✓
	136706	R14082-7mm	98363 S2	GW	2		5		1x		✓		ok	Ext A, B, C, Air 20 µl volume	✓
	136707	R14082-7mmd	✓	GW	5		5		1x		✓		ok		✓
	136708	IB									✓		clip		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2C 6152

Print Analyst Name: Tuan Pham

Date: 2/12/16

Analyst Signature:

Columns: 7036x (60mx0.25mmx1.4µm)

Method 8260C

Initial Cal. Method M2C6139

Standard Data			Standard Data		
Lot #	Description	Conc.	Lot #	Description	Conc.

see page 279

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: **Date:** 2/15/2016

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	2C136709	R14082-12	8260B SL	WTS	2		5		1x		W	W	ok	VTCQC	✓
	136710	R14082-4	✓	WER	2		5		1x		W	W	ok	✓	✓
	136711	R14082-8	✓	WES	2		5		1x		W	W	ok	✓	✓
	136712	R14082-1	✓	GW	3		5		1x		W	W	ok	✓	✓
	136713	R14082-2	✓	GW	2		5		1x		W	W	ok DL 10x 5849		✓
	136714	R14082-3	✓	GW	2		5		1x		W	W	ok	✓	✓
	136715	R14082-5	✓	GW	2		5		1x		W	W	ok	✓ 10:06 pm	✓
	136716	BFB2											ok	10:45 pm	
	136717	M6139-50					5				W	W	ok	25 µg/L rome A, B, C (4 µg/L)	
	136718	DB									W	W	dup		
	136719	MB2					5				W	W	ok		
	136720	R14082-6	8260B SL	GW	1		5		1x		W	W	ok	VTCQC	✓
	136721	R14082-9	✓	GW	2		5		1x		W	W	ok	✓	✓
	136722	R14082-10	✓	GW	2		5		1x		W	W	ok	✓	✓
	136723	R14082-11	✓	GW	2		5		1x		W	W	ok	✓ 1:57 pm	✓
	136724	FB													

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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Form: OR001-9
Rev. Date: 2/14/2007

7.7.2

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ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2C 6153

Print Analyst Name: Tran Pham

Date: 2/13/16

Analyst Signature: [illegible]

Columns: DB 624 (60m x 0.25mm x d-4.1u)

Method 8260C

Initial Cal. Method M2C6134

Standard Data

Lot #	Description	Conc.
W15-2258-109.4	A	100 ppm
W15-2258-41.63	B	100 ppm
W15-2258-124.3	C	100 ppm
W15-2258-52.19	AV	100 ppm
W15-2258-57	IS	2000 ppm

Standard Data

Lot #	Description	Conc.
W15-2258-108.2	Ext A	100 ppm
W15-2258-70.16	Ext B	100 ppm
W15-2258-104.6	Ext C	100 ppm
W15-2258-43.10	Ext AV	1000 ppm
216365	pH paper exp 6/1/16	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible] **Date:** 2/15/2016

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	2136725	HPB					5						ok	9:25 am	
	136726	CC 6139-20					5				✓		ok	10 µg/10ml A,B,C,AV	
	136727	DB									✓		dup		
	136728	MB					5			✓	✓		ok		
	136729	LS									✓		ok	25 µg/10ml Ext A,B,C,AV	
	136730	DB									✓		dup		
R	136731	R14045-1	98336 NSPT4411T	GW	3		5		1x		✓		ok		✓
	136732	R14115-3	98354 TCL20T	GW	2		12.5/10		4x		✓		ok/R	R 1x OID	✓
	136733	R14115-2	✓	GW	2		2.5/10		20x		✓		ok/R	R 5x OID	✓
R	136734	R14082-2	98363 SL	GW	2		5/10		10x		✓		ok	VCQC	✓
R	136735	R14045-3	98336 NSPT4411T	GW	3		5		1x	✓	✓		ok		✓
R	136736	R14045-3	✓	GW	3		5/10		10x		✓		ok		✓
R	136737	R14059-2	98347 TCL20T	GW	5		5		1x		✓		NG/R	sample didn't take R 1x	✓
	136738	R14115-2 ms	98354 TCL20T	GW	2		12.5/10		4 ~~20~~x		✓		ok	matrix c/o A,B,C,AV 25 µg/10ml	✓
	136739	R14115-2msd	✓	GW	2		12.5/10		4 ~~20~~x		✓		ok		✓
	136740	DB											dup		
	136741	R14115-1	98354 TCL20T	GW	1		5		1x		✓		NG/R	R 1x matrix c/o	✓

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V6153

Print Analyst Name: Dan Pham

Date: 2/13/16

Analyst Signature:

Columns: ZB624 60m x0.25mm x1-4µm

Method 8260c

Initial Cal. Method M7L6139

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: **Date:** 2/15/2016

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	R136742	RL4115-23	98384 TL204	WFB	3		5		1x		✓		~~Hg~~ RL	1x matrix clo	✓
	136743	RL4201-1	98435 TL204		1		5		1x		✓		~~Hg~~ RL	1x matrix clo	✓
	136744	RL4201-3	✓		1		5		1x		✓		~~Hg~~ RL	1x matrix clo	✓
	136745	RL4200-1	98431 TL204		3		5		1x	✓	✓	✓	ok		✓
	136746	RL4115-4	98384 TL204	GW	2		5		1x	✓	✓	✓	ok		✓
	136747	RL4115-5	✓	GW	2		5		1x	✓	✓	✓	ok		✓
	136748	RL4201-2	98455 TL204	GW	1		D2.7/50		200x		✓		~~ok~~ RL	8:33pm 50x 0.11	✓
	136749	MFB2											ok	9:01pm	
	136750	LL6139-50					5						ok	A,B,C,Acr 2µl/mL	
	136751	DB									✓	✓	clip		
	136752	MB					5				✓	✓	ok		
	136753	RL4112-4	98393 TL204	GW	2		5		10	✓	✓	✓	ok		✓
	136754	RL4112-4	✓	GW	2		5/10		10x		✓	✓	ok		✓
	136755	RL4112-2	✓	GW	8		5		1x	✓	✓	✓	ok		✓
	136756	RL4112-2	✓	GW	8		5/10		10x		✓	✓	ok		✓
	136757	RL4112-5	✓	GW	2		5		1x	✓	✓	✓	ok		✓
	136758	RL4112-1	✓	GW	8		5		1x	✓	✓	✓	~~ok~~ DL	10x 8:17	✓

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: V2C 6153

Print Analyst Name: Toan Pham

Date: 2/13/16

Analyst Signature: [signature]

Columns: ZB624 (60m x 0.25mm x 1.4um)

Method 8260C

Initial Cal. Method V2C 6134

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
	See page 285	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 2/15/2016

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L +	I S	S U	Status (Data)	Comments	pH* <2
	2C136759	JC14112-3	98393 TCL+VOT TIA	GW	2		5		1x	✓	✓		ok	3/5 - 25x. DL ~~20x~~ SQT	✓
	136760	JC14112-6	✓	GW	8		5		1x		✓	✓	NG	RR 1x C10 2.16am	✓
	136761	IB													

TP 2/13/16

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.
All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

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Form: OR001-9
Rev. Date: 2/14/2007

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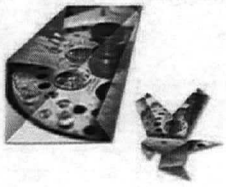
Automated Report



Technical Report for

United Technologies Corporation

ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL

60480278

SGS Accutest Job Number: JC14083

Sampling Dates: 02/08/16 - 02/10/16

Report to:

AECOM, INC.
4320 Winfield Road
Warrenville, IL 60555
peter.hollatz@aecom.com

ATTN: Peter Hollatz

Total number of pages in report: 326

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

SGS Accutest is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.

SGS ACCUTEST

February 26, 2016

Mr. Peter Hollatz
AECOM, INC.
4320 Wainfield Road
Warrenville, IL 60555

RE: Accutest Jobs # JC14083 – Reissues

Dear Mr. Hollatz,

The final report for Accutest job numbers JC14083 has been edited to reflect corrections to the data package. These edits have been incorporated into the revised report attached.

The sample's ID of JC14083-6 has been revised to match chain of custody. The attached revised report incorporates these revisions.

Please accept our apologies for any inconvenience the above issue may have caused you. Please contact me at (732) 355-4550 if I can be of further assistance in this matter.

Sincerely,

Kelly Ramos

Kelly Ramos
Project Manager

SGS Accutest

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SGS Accutest

Sample Summary

United Technologies Corporation

Job No: JC14083

ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Project No: 60480278

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC14083-1	02/08/16	09:20 NP	02/11/16	AQ	Field Blank Water	HSSER-FBLK01-020816
JC14083-2	02/08/16	10:45 NP	02/11/16	AQ	Ground Water	HSSER-SMW08-020816
JC14083-3	02/08/16	12:15 NP	02/11/16	AQ	Ground Water	HSSER-GMZ01-020816
JC14083-4	02/08/16	13:50 NP	02/11/16	AQ	Ground Water	HSSER-SMW01-020816
JC14083-5	02/08/16	15:05 NP	02/11/16	AQ	Ground Water	HSSER-SMW02-020816
JC14083-6	02/08/16	16:50 NP	02/11/16	AQ	Ground Water	HSSER-MW203-020816
JC14083-7	02/09/16	09:20 NP	02/11/16	AQ	Ground Water	HSSER-MW07FGA-020916
JC14083-8	02/09/16	11:35 NP	02/11/16	AQ	Ground Water	HSSER-SMW19-020916
JC14083-9	02/09/16	13:25 NP	02/11/16	AQ	Ground Water	HSSER-PMW01-020916
JC14083-10	02/09/16	13:45 NP	02/11/16	AQ	Equipment Blank	HSSER-EBLK01-020916
JC14083-11	02/09/16	14:40 NP	02/11/16	AQ	Ground Water	HSSER-PMW02-020916
JC14083-12	02/09/16	15:45 NP	02/11/16	AQ	Ground Water	HSSER-GMZ02-020916
JC14083-12D	02/09/16	15:45 NP	02/11/16	AQ	Water Dup/MSD	HSSER-GMZ02-020916

Sample Summary
(continued)

United Technologies Corporation

Job No: JC14083

ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Project No: 60480278

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC14083-12S	02/09/16	15:45 NP	02/11/16	AQ	Water Matrix Spike	HSSER-GMZ02-020916
JC14083-13	02/09/16	16:15 AH	02/11/16	AQ	Ground Water	HSSER-GMZ04-020916
JC14083-14	02/10/16	09:45 NP	02/11/16	AQ	Ground Water	HSSER-SMW20-021016
JC14083-15	02/10/16	09:55 AH	02/11/16	AQ	Ground Water	HSSER-SMW21-021016
JC14083-16	02/10/16	11:00 NP	02/11/16	AQ	Ground Water	HSSER-GMZ03-021016
JC14083-17	02/10/16	11:05 AH	02/11/16	AQ	Ground Water	HSSER-SMW04-021016
JC14083-18	02/10/16	00:00 NP	02/11/16	AQ	Ground Water	HSSER-DUP01-021016
JC14083-19	02/10/16	11:05 NP	02/11/16	AQ	Trip Blank Water	HSSER-TRIP01-020816

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	United Technologies Corporation	**Job No**	JC14083
Site:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL	**Report Date**	2/23/2016 10:40:26 A

On 02/11/2016, 17 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 2.4 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JC14083 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** V2A7042

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC14083-2MS, JC14083-3DUP were used as the QC samples indicated.

Matrix: AQ **Batch ID:** V2A7043

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC14083-8MS, JC14167-1DUP were used as the QC samples indicated.

Matrix: AQ **Batch ID:** V3D5014

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC14083-12MS, JC14083-12MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,1-Dichloroethane, 1,1-Dichloroethene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethene are outside control limits. Outside control limits due to matrix interference.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JC14083
Account: United Technologies Corporation
Project: ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Collected: 02/08/16 thru 02/10/16

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC14083-1	**HSSER-FBLK01-020816**					
No hits reported in this sample.						
JC14083-2	**HSSER-SMW08-020816**					
1,1-Dichloroethane		0.0101	0.0010	0.00017	mg/l	SW846 8260C
1,1-Dichloroethene		0.00052 J	0.0010	0.00051	mg/l	SW846 8260C
cis-1,2-Dichloroethene		0.0713	0.0010	0.00027	mg/l	SW846 8260C
trans-1,2-Dichloroethene		0.00071 J	0.0010	0.00065	mg/l	SW846 8260C
Tetrachloroethene		0.0521	0.0010	0.00040	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0174	0.0010	0.00025	mg/l	SW846 8260C
Trichloroethene		0.0059	0.0010	0.00022	mg/l	SW846 8260C
JC14083-3	**HSSER-GMZ01-020816**					
1,1-Dichloroethane		0.0089	0.0010	0.00017	mg/l	SW846 8260C
cis-1,2-Dichloroethene		0.0021	0.0010	0.00027	mg/l	SW846 8260C
Tetrachloroethene		0.0206	0.0010	0.00040	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0049	0.0010	0.00025	mg/l	SW846 8260C
Trichloroethene		0.0013	0.0010	0.00022	mg/l	SW846 8260C
JC14083-4	**HSSER-SMW01-020816**					
Tetrachloroethene		0.0040	0.0010	0.00040	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0022	0.0010	0.00025	mg/l	SW846 8260C
JC14083-5	**HSSER-SMW02-020816**					
Tetrachloroethene		0.00071 J	0.0010	0.00040	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.00040 J	0.0010	0.00025	mg/l	SW846 8260C
JC14083-6	**HSSER-MW203-020816**					
Tetrachloroethene		0.0049	0.0010	0.00040	mg/l	SW846 8260C
JC14083-7	**HSSER-MW07FGA-020916**					
Tetrachloroethene		0.0011	0.0010	0.00040	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0017	0.0010	0.00025	mg/l	SW846 8260C
JC14083-8	**HSSER-SMW19-020916**					
cis-1,2-Dichloroethene		0.00063 J	0.0010	0.00027	mg/l	SW846 8260C
Tetrachloroethene		0.0011	0.0010	0.00040	mg/l	SW846 8260C

Summary of Hits

Job Number: JC14083
Account: United Technologies Corporation
Project: ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Collected: 02/08/16 thru 02/10/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,1,1-Trichloroethane		0.00029 J	0.0010	0.00025	mg/l	SW846 8260C
Trichloroethene		0.0165	0.0010	0.00022	mg/l	SW846 8260C
JC14083-9	**HSSER-PMW01-020916**					
1,1-Dichloroethane		0.0021	0.0010	0.00017	mg/l	SW846 8260C
cis-1,2-Dichloroethene		0.00040 J	0.0010	0.00027	mg/l	SW846 8260C
Tetrachloroethene		0.0122	0.0010	0.00040	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0107	0.0010	0.00025	mg/l	SW846 8260C
Trichloroethene		0.00088 J	0.0010	0.00022	mg/l	SW846 8260C
JC14083-10	**HSSER-EBLK01-020916**					
No hits reported in this sample.						
JC14083-11	**HSSER-PMW02-020916**					
1,1-Dichloroethane		0.0042	0.0010	0.00017	mg/l	SW846 8260C
cis-1,2-Dichloroethene		0.0025	0.0010	0.00027	mg/l	SW846 8260C
Tetrachloroethene		0.0126	0.0010	0.00040	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0085	0.0010	0.00025	mg/l	SW846 8260C
Trichloroethene		0.0013	0.0010	0.00022	mg/l	SW846 8260C
Vinyl chloride		0.00093 J	0.0010	0.00015	mg/l	SW846 8260C
JC14083-12	**HSSER-GMZ02-020916**					
1,1-Dichloroethane		0.0011	0.0010	0.00017	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0012	0.0010	0.00025	mg/l	SW846 8260C
JC14083-13	**HSSER-GMZ04-020916**					
cis-1,2-Dichloroethene		0.0018	0.0010	0.00027	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0035	0.0010	0.00025	mg/l	SW846 8260C
JC14083-14	**HSSER-SMW20-021016**					
No hits reported in this sample.						
JC14083-15	**HSSER-SMW21-021016**					
cis-1,2-Dichloroethene		0.00096 J	0.0010	0.00027	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0105	0.0010	0.00025	mg/l	SW846 8260C
Trichloroethene		0.00029 J	0.0010	0.00022	mg/l	SW846 8260C

Summary of Hits

Job Number: JC14083
Account: United Technologies Corporation
Project: ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Collected: 02/08/16 thru 02/10/16

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC14083-16	**HSSER-GMZ03-021016**					
1,1,1-Trichloroethane		0.00060 J	0.0010	0.00025	mg/l	SW846 8260C
JC14083-17	**HSSER-SMW04-021016**					
1,1-Dichloroethane		0.0105	0.0010	0.00017	mg/l	SW846 8260C
cis-1,2-Dichloroethene		0.0538	0.0010	0.00027	mg/l	SW846 8260C
Tetrachloroethene		0.0246	0.0010	0.00040	mg/l	SW846 8260C
1,1,1-Trichloroethane		0.0062	0.0010	0.00025	mg/l	SW846 8260C
Trichloroethene		0.0024	0.0010	0.00022	mg/l	SW846 8260C
Vinyl chloride		0.0020	0.0010	0.00015	mg/l	SW846 8260C
JC14083-18	**HSSER-DUP01-021016**					
1,1,1-Trichloroethane		0.00055 J	0.0010	0.00025	mg/l	SW846 8260C
JC14083-19	**HSSER-TRIP01-020816**					

No hits reported in this sample.

Sample Results

Report of Analysis

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-FBLK01-020816		
Lab Sample ID:	JC14083-1	**Date Sampled:**	02/08/16
Matrix:	AQ - Field Blank Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165598.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	ND	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		73-122%
2037-26-5	Toluene-D8	102%		84-119%
460-00-4	4-Bromofluorobenzene	103%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-SMW08-020816		
Lab Sample ID:	JC14083-2	**Date Sampled:**	02/08/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165587.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	0.0101	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	0.00052	0.0010	0.00051	mg/l	J
156-59-2	cis-1,2-Dichloroethene	0.0713	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	0.00071	0.0010	0.00065	mg/l	J
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.0521	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0174	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	0.0059	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		76-120%
17060-07-0	1,2-Dichloroethane-D4	94%		73-122%
2037-26-5	Toluene-D8	104%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-GMZ01-020816		
Lab Sample ID:	JC14083-3	**Date Sampled:**	02/08/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165588.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	0.0089	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	0.0021	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.0206	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0049	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	0.0013	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		73-122%
2037-26-5	Toluene-D8	103%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-SMW01-020816		
Lab Sample ID:	JC14083-4	**Date Sampled:**	02/08/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165589.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.0040	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0022	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		73-122%
2037-26-5	Toluene-D8	104%		84-119%
460-00-4	4-Bromofluorobenzene	103%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-SMW02-020816		
Lab Sample ID:	JC14083-5	**Date Sampled:**	02/08/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165600.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.00071	0.0010	0.00040	mg/l	J
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00040	0.0010	0.00025	mg/l	J
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	103%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-MW203-020816		
Lab Sample ID:	JC14083-6	**Date Sampled:**	02/08/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165590.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.0049	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		73-122%
2037-26-5	Toluene-D8	102%		84-119%
460-00-4	4-Bromofluorobenzene	103%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-MW07FGA-020916		
Lab Sample ID:	JC14083-7	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165591.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.0011	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0017	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		73-122%
2037-26-5	Toluene-D8	103%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-SMW19-020916		
Lab Sample ID:	JC14083-8	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165617.D	1	02/15/16	TK	n/a	n/a	V2A7043
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	0.00063	0.0010	0.00027	mg/l	J
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.0011	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00029	0.0010	0.00025	mg/l	J
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	0.0165	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	103%		84-119%
460-00-4	4-Bromofluorobenzene	103%		78-117%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-PMW01-020916		
Lab Sample ID:	JC14083-9	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165593.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	0.0021	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	0.00040	0.0010	0.00027	mg/l	J
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.0122	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0107	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	0.00088	0.0010	0.00022	mg/l	J
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		76-120%
17060-07-0	1,2-Dichloroethane-D4	97%		73-122%
2037-26-5	Toluene-D8	103%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-EBLK01-020916		
Lab Sample ID:	JC14083-10	**Date Sampled:**	02/09/16
Matrix:	AQ - Equipment Blank	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165592.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	ND	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	104%		84-119%
460-00-4	4-Bromofluorobenzene	104%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-PMW02-020916		
Lab Sample ID:	JC14083-11	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165601.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	0.0042	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	0.0025	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.0126	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0085	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	0.0013	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	0.00093	0.0010	0.00015	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	103%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-GMZ02-020916		
Lab Sample ID:	JC14083-12	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D117221.D	1	02/12/16	XC	n/a	n/a	V3D5014
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	0.0011	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	ND	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0012	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		76-120%
17060-07-0	1,2-Dichloroethane-D4	117%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	95%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-GMZ04-020916		
Lab Sample ID:	JC14083-13	**Date Sampled:**	02/09/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D117222.D	1	02/12/16	XC	n/a	n/a	V3D5014
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	0.0018	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	ND	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0035	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		76-120%
17060-07-0	1,2-Dichloroethane-D4	119%		73-122%
2037-26-5	Toluene-D8	100%		84-119%
460-00-4	4-Bromofluorobenzene	95%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-SMW20-021016		
Lab Sample ID:	JC14083-14	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D117223.D	1	02/12/16	XC	n/a	n/a	V3D5014
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	ND	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		76-120%
17060-07-0	1,2-Dichloroethane-D4	119%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	95%		78-117%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-SMW21-021016		
Lab Sample ID:	JC14083-15	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165602.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	0.00096	0.0010	0.00027	mg/l	J
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	ND	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0105	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	0.00029	0.0010	0.00022	mg/l	J
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		73-122%
2037-26-5	Toluene-D8	104%		84-119%
460-00-4	4-Bromofluorobenzene	101%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-GMZ03-021016		
Lab Sample ID:	JC14083-16	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165603.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	ND	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00060	0.0010	0.00025	mg/l	J
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	94%		73-122%
2037-26-5	Toluene-D8	103%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-SMW04-021016		
Lab Sample ID:	JC14083-17	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165604.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	0.0105	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	0.0538	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	0.0246	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.0062	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	0.0024	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	0.0020	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	104%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-DUP01-021016		
Lab Sample ID:	JC14083-18	**Date Sampled:**	02/10/16
Matrix:	AQ - Ground Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165618.D	1	02/15/16	TK	n/a	n/a	V2A7043
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	ND	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00055	0.0010	0.00025	mg/l	J
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	103%		84-119%
460-00-4	4-Bromofluorobenzene	101%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	HSSER-TRIP01-020816		
Lab Sample ID:	JC14083-19	**Date Sampled:**	02/10/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	02/11/16
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A165599.D	1	02/13/16	TK	n/a	n/a	V2A7042
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00017	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00018	mg/l	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00051	mg/l	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00027	mg/l	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00065	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00027	mg/l	
75-09-2	Methylene chloride	ND	0.0020	0.00073	mg/l	
127-18-4	Tetrachloroethene	ND	0.0010	0.00040	mg/l	
108-88-3	Toluene	ND	0.0010	0.00016	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	0.00025	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00021	mg/l	
79-01-6	Trichloroethene	ND	0.0010	0.00022	mg/l	
75-01-4	Vinyl chloride	ND	0.0010	0.00015	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	94%		73-122%
2037-26-5	Toluene-D8	103%		84-119%
460-00-4	4-Bromofluorobenzene	101%		78-117%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

GW +B

FED-EX Tracking # 6514 9165 4970
Bottle Order Control #
Accutest Quote #
Accutest Job # JC14083

Client / Reporting Information

Company Name: AECOM
Street Address: 4320 WINFIELD RD
City / State / Zip: WARRENVILLE IL 60555
Project Contact / E-mail: PETER HOLLATZ / Peter.Hollatz@aecom.com
Phone # / Fax #: 630.918.9648
Sampler(s) Name(s) / Phone #: NICK PINS / ALLAN HOLLATZ

Project Information

Project Name: UTAS - PLANT 1/2 FACILITY
Street:
City / State: ROCKFORD IL
Project #: 60480278
Client Purchase Order #:
Project Manager: PETER HOLLATZ
Attention:

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	* VOCs	LAB USE ONLY
1	HSSER-FBLK01-020816		2/8/16	0920	NP	GW	3	3								X	
2	HSSER-SMW08-020816		2/8/16	1045	NP	GW	3	3								X	UL65
3	HSSER-GMZ01-020816		2/8/16	1215	NP	GW	3	3								X	
4	HSSER-SMW01-020816		2/8/16	1350	NP	GW	3	3								X	
5	HSSER-SMW02-020816		2/8/16	1505	NP	GW	3	3								X	
6	HSSER-MW203-020816		2/8/16	1650	NP	GW	3	3								X	
7	HSSER-MW07FGA-020916		2/9/16	0920	NP	GW	3	3								X	
8	HSSER-SMW19-020916		2/9/16	1135	NP	GW	3	3								X	
9	HSSER-PMW01-020916		2/9/16	1325	NP	GW	3	3								X	
10	HSSER-EBLK01-020916		2/9/16	1345	NP	GW	3	3								X	
11	HSSER-PMW02-020916		2/9/16	1440	NP	GW	3	3								X	
12	HSSER-GMZ02-020916		2/9/16	1545	NP	GW	3	3								X	

INITIAL ASESSMENT
LABEL VERIFICATION

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other _____

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] *NJ Data of Known Quality Protocol Reporting*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format _____
- [ ] Other _____

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

* LIST OF 13 VOCs
LEVEL IV DATA

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 NICK T (AECOM)	2/10/16 1700	1 FedEx	2 FedEx	2/11/16 0670	2
3		3	4		4
5		5			

Custody Seal # 600 [x] Intact [ ] Not Intact
Preserved where applicable [ ]
On Ice [x]
Cooler Temp. 20°C

5.1 5

JC14083: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # 6514 9165 4970
Bottle Order Control #
Accutest Quote #
Accutest Job # JC14083

Client / Reporting Information

Company Name: AECOM
Street Address: 4320 WINFIELD RD
City / State / Zip: WARRENVILLE IL 60555
Project Contact / E-mail: PETER Hollatz / Peter.Hollatz@aecom.com
Phone #: 630.918.9648 Fax #:
Sampler(s) Name(s) / Phone #: Nick Pins / ALLAN HOLLATZ

Project Information

Project Name: UTAS PLANT 1/2 FACILITY
Street:
City / State: ROCKFORD IL
Project #: 60480278
Client Purchase Order #:
Project Manager: PETER HOLLATZ

Billing Information (If different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	* VOCs	LAB USE ONLY
12	HSSER-MS01-020916		2/9/16	1545	NP	GW	3	3								X	
	HSSER-MSD01-020916		2/9/16	1545	NP	GW	3	3								X	
13	HSSER-GMZ04-020916		2/9/16	1615	AH	GW	3	3								X	
14	HSSER-SMW20-021016		2/10/16	0945	NP	GW	3	3								X	
15	HSSER-SMW21-021016		2/10/16	0955	AH	GW	3	3								X	
16	HSSER-GMZ03-021016		2/10/16	1100	NP	GW	3	3								X	
17	HSSER-SMW04-021016		2/10/16	1105	AH	GW	3	3								X	
18	HSSER-DUP01-021016		2/10/16	0000	NP	GW	3	3								X	
19	HSSER-TRIP01-020816		2/8/16	—	NP	GW	2	2								X	

Turnaround Time (Business days)

- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

* LIST OF 13 VOCs
LEVEL IV DATA

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 (AECOM)	2/10/16 1700	1	2	2/11/16 0930	2
3		3	4		4
5		5			

Custody Seal # ☐ Intact ☐ Not Intact
Preserved where applicable ☐
On Ice ☐
Cooler Temp. 2.0°C

JC14083: Chain of Custody
Page 2 of 3

SGS Accutest Sample Receipt Summary

Job Number: JC14083 **Client:** **Project:**

Date / Time Received: 2/11/2016 9:30:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (2.4);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

5.1

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JC14083: Chain of Custody
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Internal Sample Tracking Chronicle

United Technologies Corporation

Job No: JC14083

ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Project No: 60480278

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC14083-1	Collected: 08-FEB-16 09:20 By: NP		Received: 11-FEB-16 By: AL			
HSSER-FBLK01-020816						
JC14083-1	SW846 8260C	13-FEB-16 18:30	TK			V8260SL
JC14083-2	Collected: 08-FEB-16 10:45 By: NP		Received: 11-FEB-16 By: AL			
HSSER-SMW08-020816						
JC14083-2	SW846 8260C	13-FEB-16 13:05	TK			V8260SL
JC14083-3	Collected: 08-FEB-16 12:15 By: NP		Received: 11-FEB-16 By: AL			
HSSER-GMZ01-020816						
JC14083-3	SW846 8260C	13-FEB-16 13:35	TK			V8260SL
JC14083-4	Collected: 08-FEB-16 13:50 By: NP		Received: 11-FEB-16 By: AL			
HSSER-SMW01-020816						
JC14083-4	SW846 8260C	13-FEB-16 14:04	TK			V8260SL
JC14083-5	Collected: 08-FEB-16 15:05 By: NP		Received: 11-FEB-16 By: AL			
HSSER-SMW02-020816						
JC14083-5	SW846 8260C	13-FEB-16 19:28	TK			V8260SL
JC14083-6	Collected: 08-FEB-16 16:50 By: NP		Received: 11-FEB-16 By: AL			
HSSER-MW203-020816						
JC14083-6	SW846 8260C	13-FEB-16 14:33	TK			V8260SL
JC14083-7	Collected: 09-FEB-16 09:20 By: NP		Received: 11-FEB-16 By: AL			
HSSER-MW07FGA-020916						
JC14083-7	SW846 8260C	13-FEB-16 15:03	TK			V8260SL
JC14083-8	Collected: 09-FEB-16 11:35 By: NP		Received: 11-FEB-16 By: AL			
HSSER-SMW19-020916						
JC14083-8	SW846 8260C	15-FEB-16 14:34	TK			V8260SL

Internal Sample Tracking Chronicle

United Technologies Corporation

Job No: JC14083

ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Project No: 60480278

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC14083-9 Collected: 09-FEB-16 13:25 By: NP HSSER-PMW01-020916			Received: 11-FEB-16 By: AL			
JC14083-9	SW846 8260C	13-FEB-16 16:02	TK			V8260SL
JC14083-10 Collected: 09-FEB-16 13:45 By: NP HSSER-EBLK01-020916			Received: 11-FEB-16 By: AL			
JC14083-10	SW846 8260C	13-FEB-16 15:32	TK			V8260SL
JC14083-11 Collected: 09-FEB-16 14:40 By: NP HSSER-PMW02-020916			Received: 11-FEB-16 By: AL			
JC14083-11	SW846 8260C	13-FEB-16 19:57	TK			V8260SL
JC14083-12 Collected: 09-FEB-16 15:45 By: NP HSSER-GMZ02-020916			Received: 11-FEB-16 By: AL			
JC14083-12	SW846 8260C	12-FEB-16 12:59	XC			V8260SL
JC14083-13 Collected: 09-FEB-16 16:15 By: AH HSSER-GMZ04-020916			Received: 11-FEB-16 By: AL			
JC14083-13	SW846 8260C	12-FEB-16 13:26	XC			V8260SL
JC14083-14 Collected: 10-FEB-16 09:45 By: NP HSSER-SMW20-021016			Received: 11-FEB-16 By: AL			
JC14083-14	SW846 8260C	12-FEB-16 13:54	XC			V8260SL
JC14083-15 Collected: 10-FEB-16 09:55 By: AH HSSER-SMW21-021016			Received: 11-FEB-16 By: AL			
JC14083-15	SW846 8260C	13-FEB-16 20:26	TK			V8260SL
JC14083-16 Collected: 10-FEB-16 11:00 By: NP HSSER-GMZ03-021016			Received: 11-FEB-16 By: AL			
JC14083-16	SW846 8260C	13-FEB-16 20:56	TK			V8260SL

Internal Sample Tracking Chronicle

United Technologies Corporation

Job No: JC14083

ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Project No: 60480278

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Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JC14083-17 Collected: 10-FEB-16 11:05 By: AH HSSER-SMW04-021016			Received: 11-FEB-16 By: AL			
JC14083-17	SW846 8260C	13-FEB-16 21:25	TK			V8260SL
JC14083-18 Collected: 10-FEB-16 00:00 By: NP HSSER-DUP01-021016			Received: 11-FEB-16 By: AL			
JC14083-18	SW846 8260C	15-FEB-16 15:04	TK			V8260SL
JC14083-19 Collected: 10-FEB-16 11:05 By: NP HSSER-TRIP01-020816			Received: 11-FEB-16 By: AL			
JC14083-19	SW846 8260C	13-FEB-16 18:59	TK			V8260SL

SGS Accutest Internal Chain of Custody

Job Number: JC14083
Account: UTC United Technologies Corporation
Project: ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Received: 02/11/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC14083-1.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-1.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-1.1	GCMS3D	Sushila Yadav	02/13/16 12:48	Unload from Instrument
JC14083-1.1	Sushila Yadav	GCMS2A	02/13/16 12:48	Load on Instrument
JC14083-1.1	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-1.1	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-2.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-2.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-2.1	GCMS3D	Sushila Yadav	02/13/16 12:48	Unload from Instrument
JC14083-2.1	Sushila Yadav	GCMS2A	02/13/16 12:48	Load on Instrument
JC14083-2.1	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-2.1	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-2.2	Secured Storage	Sushila Yadav	02/13/16 15:02	Retrieve from Storage
JC14083-2.2	Sushila Yadav	GCMS2A	02/13/16 15:02	Load on Instrument
JC14083-2.2	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-2.2	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-3.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-3.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-3.1	GCMS3D	Sushila Yadav	02/13/16 12:48	Unload from Instrument
JC14083-3.1	Sushila Yadav	GCMS2A	02/13/16 12:48	Load on Instrument
JC14083-3.1	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-3.1	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-3.2	Secured Storage	Sushila Yadav	02/13/16 15:02	Retrieve from Storage
JC14083-3.2	Sushila Yadav	GCMS2A	02/13/16 15:02	Load on Instrument
JC14083-3.2	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-3.2	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-4.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-4.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-4.1	GCMS3D	Sushila Yadav	02/13/16 12:48	Unload from Instrument
JC14083-4.1	Sushila Yadav	GCMS2A	02/13/16 12:48	Load on Instrument
JC14083-4.1	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-4.1	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-5.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-5.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-5.1	GCMS3D	Sushila Yadav	02/13/16 12:48	Unload from Instrument
JC14083-5.1	Sushila Yadav	GCMS2A	02/13/16 12:48	Load on Instrument
JC14083-5.1	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-5.1	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage

SGS Accutest Internal Chain of Custody

Job Number: JC14083
Account: UTC United Technologies Corporation
Project: ENSRILW: UTAS Plants 1/2 Facility, Rockford, IL
Received: 02/11/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JC14083-6.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-6.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-6.1	GCMS3D	Sushila Yadav	02/13/16 12:48	Unload from Instrument
JC14083-6.1	Sushila Yadav	GCMS2A	02/13/16 12:48	Load on Instrument
JC14083-6.1	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-6.1	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-7.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-7.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-7.1	GCMS3D	Sushila Yadav	02/13/16 12:48	Unload from Instrument
JC14083-7.1	Sushila Yadav	GCMS2A	02/13/16 12:48	Load on Instrument
JC14083-7.1	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-7.1	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-8.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-8.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-8.1	GCMS3D	Ximena Collado	02/15/16 09:43	Unload from Instrument
JC14083-8.1	Ximena Collado	Secured Storage	02/15/16 09:43	Return to Storage
JC14083-8.1	Secured Storage	Tracy Karpinski	02/15/16 13:44	Retrieve from Storage
JC14083-8.1	Tracy Karpinski	GCMS2A	02/15/16 13:44	Load on Instrument
JC14083-8.1	GCMS2A	Tracy Karpinski	02/16/16 09:10	Unload from Instrument
JC14083-8.1	Tracy Karpinski	Secured Storage	02/16/16 09:10	Return to Storage
JC14083-8.2	Secured Storage	Tracy Karpinski	02/15/16 16:05	Retrieve from Storage
JC14083-8.2	Tracy Karpinski	GCMS2A	02/15/16 16:05	Load on Instrument
JC14083-8.2	GCMS2A	Tracy Karpinski	02/16/16 09:10	Unload from Instrument
JC14083-8.2	Tracy Karpinski	Secured Storage	02/16/16 09:10	Return to Storage
JC14083-9.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-9.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-9.1	GCMS3D	Sushila Yadav	02/13/16 12:48	Unload from Instrument
JC14083-9.1	Sushila Yadav	GCMS2A	02/13/16 12:48	Load on Instrument
JC14083-9.1	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-9.1	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-10.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage
JC14083-10.1	Ximena Collado	GCMS3D	02/12/16 12:09	Load on Instrument
JC14083-10.1	GCMS3D	Sushila Yadav	02/13/16 12:48	Unload from Instrument
JC14083-10.1	Sushila Yadav	GCMS2A	02/13/16 12:48	Load on Instrument
JC14083-10.1	GCMS2A	Tracy Karpinski	02/15/16 08:57	Unload from Instrument
JC14083-10.1	Tracy Karpinski	Secured Storage	02/15/16 08:57	Return to Storage
JC14083-11.1	Secured Storage	Ximena Collado	02/12/16 12:09	Retrieve from Storage