

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059943.D
 Acq On : 4 Sep 2018 14:14
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/5/2018 12:25:35 PM

Quant Time: Sep 05 04:00:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1251578	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1705231	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1425930	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	775625	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	508725	48.23	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.46%	
35) Dibromofluoromethane	6.30	113	678106	50.72	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	9.44	98	1873389	50.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.42	95	755495	50.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	477069	42.64	ug/l	99
3) Chloromethane	1.73	50	404914	39.95	ug/l	99
4) Vinyl Chloride	1.82	62	361539	45.49	ug/l	100
5) Bromomethane	2.12	94	54595	39.79	ug/l	87
6) Chloroethane	2.22	64	109215	40.54	ug/l	99
7) Trichlorofluoromethane	2.47	101	431239	46.91	ug/l	97
8) Diethyl Ether	2.80	74	98218	47.62	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.05	101	288148	51.18	ug/l	95
10) Methyl Iodide	3.21	142	269920	45.35	ug/l	99
11) Tert butyl alcohol	3.95	59	213891	265.73	ug/l	100
12) 1,1-Dichloroethene	3.03	96	214996	49.05	ug/l	98
13) Acrolein	2.95	56	79153	226.73	ug/l	88
14) Allyl chloride	3.49	41	506358	51.06	ug/l	97
15) Acrylonitrile	4.05	53	775674	257.34	ug/l	99
16) Acetone	3.13	43	555265	288.92	ug/l	99
17) Carbon Disulfide	3.28	76	610396	44.86	ug/l	99
18) Methyl Acetate	3.52	43	228703	57.00	ug/l	97
19) Methyl tert-butyl Ether	4.08	73	1211193	48.85	ug/l	99
20) Methylene Chloride	3.68	84	743971	58.64	ug/l	96
21) trans-1,2-Dichloroethene	4.05	96	593372	49.13	ug/l	100
22) Diisopropyl ether	4.82	45	2482896	49.10	ug/l	98
23) Vinyl Acetate	4.77	43	7175850	253.83	ug/l	98
24) 1,1-Dichloroethane	4.71	63	1081632	49.51	ug/l	100
25) 2-Butanone	5.59	43	1532913	269.31	ug/l	98
26) 2,2-Dichloropropane	5.55	77	858342	47.00	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	657635	49.73	ug/l	97
28) Bromochloromethane	5.90	49	509086	48.62	ug/l	90
29) Tetrahydrofuran	5.92	42	710238	262.10	ug/l	98
30) Chloroform	6.07	83	1105594	49.79	ug/l	99
31) Cyclohexane	6.34	56	873970	43.51	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	926191	49.15	ug/l	98
36) 1,1-Dichloropropene	6.50	75	786839	50.90	ug/l	99
37) Ethyl Acetate	5.67	43	601829	50.03	ug/l	95
38) Carbon Tetrachloride	6.47	117	771903	49.48	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	823729	49.32	ug/l	98
40) Benzene	6.76	78	2053158	51.08	ug/l	100
41) Methacrylonitrile	5.91	41	329953m	54.45	ug/l	
42) 1,2-Dichloroethane	6.87	62	634648	49.19	ug/l	99
43) Isopropyl Acetate	8.33	43	828358	52.93	ug/l #	100
44) Trichloroethene	7.72	130	623805	52.71	ug/l	99
45) 1,2-Dichloropropane	8.08	63	576917	51.35	ug/l	97
46) Dibromomethane	8.19	93	380577	52.68	ug/l	99
47) Bromodichloromethane	8.46	83	836050	51.12	ug/l	99
48) Methyl methacrylate	8.23	41	462023	50.65	ug/l	97
49) 1,4-Dioxane	8.21	88	92893	1140.59	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	3297978	282.68	ug/l	99
52) Toluene	9.53	92	1325251	51.42	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	775385	51.26	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	893088	50.92	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	465462	49.41	ug/l	98
56) Ethyl methacrylate	10.02	69	564511	51.92	ug/l	95
57) 1,3-Dichloropropane	10.36	76	713051	52.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1446870	277.39	ug/l	94
59) 2-Hexanone	10.47	43	2420121	281.24	ug/l	100
60) Dibromochloromethane	10.63	129	615431	51.97	ug/l	97
61) 1,2-Dibromoethane	10.75	107	495217	51.99	ug/l	98
64) Tetrachloroethene	10.24	164	566184	51.35	ug/l	99
65) Chlorobenzene	11.30	112	1505500	53.13	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	539914	52.15	ug/l	100
67) Ethyl Benzene	11.42	91	2431047	51.00	ug/l	97
68) m/p-Xylenes	11.55	106	1794577	103.39	ug/l	99
69) o-Xylene	11.93	106	900001	53.02	ug/l	97
70) Styrene	11.95	104	1547076	52.63	ug/l	98
71) Bromoform	12.10	173	477164	53.27	ug/l	99
73) Isopropylbenzene	12.26	105	2469866	49.88	ug/l	100
74) N-amyl acetate	12.12	43	1046946	48.29	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.56	83	591337	51.63	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	615126	51.03	ug/l	98
77) Bromobenzene	12.53	156	724829	52.80	ug/l	94
78) n-propylbenzene	12.63	91	3119544	49.76	ug/l	100
79) 2-Chlorotoluene	12.70	91	1738522	49.03	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	1914350	48.63	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	179711	47.92	ug/l	98
82) 4-Chlorotoluene	12.80	91	1946999	48.14	ug/l	98
83) tert-Butylbenzene	13.04	119	2200131	49.06	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1978098	48.21	ug/l	96
85) sec-Butylbenzene	13.22	105	2668883	50.61	ug/l	95
86) p-Isopropyltoluene	13.33	119	2124112	49.53	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	1251699	51.07	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	1275770	52.18	ug/l	99
89) n-Butylbenzene	13.64	91	2132493	52.73	ug/l	99
90) Hexachloroethane	13.85	117	546169	47.43	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1102187	52.89	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	86499	49.13	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	920823	51.61	ug/l	99
94) Hexachlorobutadiene	14.87	225	620060	53.02	ug/l	99
95) Naphthalene	14.96	128	1449204	53.15	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	799458	52.39	ug/l	99

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

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