

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058316.D
 Acq On : 23 Jun 2018 1:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 23 04:11:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	899742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1183419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	960178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	471985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	514945	56.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.32%	
35) Dibromofluoromethane	5.55	113	522255	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
50) Toluene-d8	8.70	98	1282033	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	
62) 4-Bromofluorobenzene	11.93	95	526328	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	450474	53.87	ug/l	97
3) Chloromethane	1.49	50	219822	56.56	ug/l	93
4) Vinyl Chloride	1.56	62	235192	49.90	ug/l	98
5) Bromomethane	1.79	94	96537	64.42	ug/l	98
6) Chloroethane	1.88	64	108404	65.82	ug/l	98
7) Trichlorofluoromethane	2.09	101	354753	54.89	ug/l	91
8) Diethyl Ether	2.35	74	69234	50.65	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.56	101	214507	52.21	ug/l	98
10) Methyl Iodide	2.69	142	265604	56.84	ug/l	98
11) Tert butyl alcohol	3.26	59	81973	273.48	ug/l	98
12) 1,1-Dichloroethene	2.54	96	159958	51.75	ug/l	92
13) Acrolein	2.47	56	21121	123.44	ug/l	93
14) Allyl chloride	2.93	41	373868	51.97	ug/l	99
15) Acrylonitrile	3.36	53	251696	316.69	ug/l	94
16) Acetone	2.61	43	287441	231.27	ug/l #	89
17) Carbon Disulfide	2.76	76	502945	47.82	ug/l	98
18) Methyl Acetate	2.94	43	141919	53.54	ug/l	98
19) Methyl tert-butyl Ether	3.41	73	776089	94.66	ug/l	99
20) Methylene Chloride	3.07	84	181431	56.54	ug/l	98
21) trans-1,2-Dichloroethene	3.40	96	276228	81.77	ug/l	92
22) Diisopropyl ether	4.08	45	1448012	50.68	ug/l	98
23) Vinyl Acetate	4.02	43	3911766	255.38	ug/l	99
24) 1,1-Dichloroethane	3.98	63	823526	53.50	ug/l	98
25) 2-Butanone	4.85	43	652221	240.77	ug/l	99
26) 2,2-Dichloropropane	4.80	77	623467	48.37	ug/l	98
27) cis-1,2-Dichloroethene	4.81	96	449808	53.28	ug/l	97
28) Bromochloromethane	5.15	49	370493	53.69	ug/l #	99
29) Tetrahydrofuran	5.19	42	329112	228.25	ug/l	95
30) Chloroform	5.33	83	872746	53.70	ug/l	98
31) Cyclohexane	5.59	56	594734	53.59	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	724692	53.97	ug/l	99
36) 1,1-Dichloropropene	5.75	75	586403	50.09	ug/l	99
37) Ethyl Acetate	4.92	43	325027	48.73	ug/l	98
38) Carbon Tetrachloride	5.73	117	607360	52.21	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	558409	48.97	ug/l	100
40) Benzene	6.02	78	1416829	50.81	ug/l	100
41) Methacrylonitrile	5.13	41	181385	56.31	ug/l	98
42) 1,2-Dichloroethane	6.14	62	601307	53.47	ug/l	98
43) Isopropyl Acetate	7.62	43	436255	49.06	ug/l #	100
44) Trichloroethene	6.98	130	425909	50.86	ug/l	99
45) 1,2-Dichloropropane	7.35	63	394957	52.59	ug/l	99
46) Dibromomethane	7.46	93	257507	50.22	ug/l	98
47) Bromodichloromethane	7.75	83	639093	54.66	ug/l	97
48) Methyl methacrylate	7.50	41	266450	49.30	ug/l	97
49) 1,4-Dioxane	7.49	88	48939	1003.09	ug/l	92
51) 4-Methyl-2-Pentanone	8.60	43	1495980	257.90	ug/l	97
52) Toluene	8.80	92	795154	50.07	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	540997	53.22	ug/l	97
54) cis-1,3-Dichloropropene	8.36	75	622307	52.22	ug/l	95
55) 1,1,2-Trichloroethane	9.45	97	278714	49.61	ug/l	98
56) Ethyl methacrylate	9.32	69	336590	50.10	ug/l	98
57) 1,3-Dichloropropane	9.67	76	467842	49.44	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	879606	264.44	ug/l	97
59) 2-Hexanone	9.79	43	999872	238.56	ug/l	99
60) Dibromochloromethane	9.97	129	419149	54.97	ug/l	94
61) 1,2-Dibromoethane	10.09	107	320801	52.17	ug/l	99
64) Tetrachloroethene	9.51	164	425251	52.64	ug/l	96
65) Chlorobenzene	10.72	112	901446	50.19	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	370098	53.40	ug/l	96
67) Ethyl Benzene	10.86	91	1564195	49.33	ug/l	100
68) m/p-Xylenes	11.02	106	982928	92.96	ug/l	100
69) o-Xylene	11.40	106	507345	50.24	ug/l	100
70) Styrene	11.43	104	857287	49.74	ug/l	96
71) Bromoform	11.60	173	300089	54.27	ug/l	99
73) Isopropylbenzene	11.78	105	1465999	51.93	ug/l	99
74) N-amyl acetate	11.65	43	565613	51.82	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	350630	53.37	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	351650	51.03	ug/l	98
77) Bromobenzene	12.04	156	468355	55.40	ug/l	92
78) n-propylbenzene	12.15	91	1885064	51.70	ug/l	97
79) 2-Chlorotoluene	12.22	91	1091297	52.31	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	1140493	51.79	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	83611	49.75	ug/l	98
82) 4-Chlorotoluene	12.33	91	1202713	60.27	ug/l	95
83) tert-Butylbenzene	12.57	119	1262012	49.85	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	1273015	53.18	ug/l	96
85) sec-Butylbenzene	12.76	105	1536579	51.78	ug/l	96
86) p-Isopropyltoluene	12.89	119	1255863	52.23	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	744641	50.68	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	740532	51.61	ug/l	96
89) n-Butylbenzene	13.19	91	1203355	47.61	ug/l	98
90) Hexachloroethane	13.40	117	341730	54.75	ug/l	78
91) 1,2-Dichlorobenzene	13.19	146	602297	48.17	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	58227	55.69	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	597717	49.98	ug/l	97
94) Hexachlorobutadiene	14.43	225	444830	47.55	ug/l	98
95) Naphthalene	14.51	128	811641	51.52	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	525629	50.20	ug/l	98

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

