

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121018\
 Data File : VD060515.D
 Acq On : 10 Dec 2018 10:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:15:01 PM

Quant Time: Dec 11 06:53:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1744797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2484651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1960749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	949950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	624026	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	6.33	113	926861	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	9.45	98	2754268	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.42	95	949434	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	812320	48.800	ug/l	100
3) Chloromethane	1.78	50	808391	45.094	ug/l	97
4) Vinyl Chloride	1.87	62	695598	48.618	ug/l	99
5) Bromomethane	2.17	94	174660	48.797	ug/l	95
6) Chloroethane	2.28	64	208284	43.799	ug/l	99
7) Trichlorofluoromethane	2.53	101	763376	46.209	ug/l	100
8) Diethyl Ether	2.85	74	131928	46.234	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.11	101	499525	46.602	ug/l	99
10) Methyl Iodide	3.26	142	581540	46.414	ug/l	97
11) Tert butyl alcohol	3.98	59	134842	268.375	ug/l	97
12) 1,1-Dichloroethene	3.09	96	405545	46.502	ug/l	99
13) Acrolein	3.00	56	194744	354.722	ug/l	93
14) Allyl chloride	3.56	41	768064	46.419	ug/l	97
15) Acrylonitrile	4.10	53	707781	248.093	ug/l	96
16) Acetone	3.17	43	555423	280.186	ug/l	95
17) Carbon Disulfide	3.33	76	1314921	46.417	ug/l	99
18) Methyl Acetate	3.58	43	205642	43.649	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	1233803	51.015	ug/l	100
20) Methylene Chloride	3.73	84	889381	48.751	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	958583	50.530	ug/l	97
22) Diisopropyl ether	4.86	45	2891500	48.672	ug/l	98
23) Vinyl Acetate	4.82	43	7227757	245.557	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1539222	49.873	ug/l	99
25) 2-Butanone	5.63	43	1050373	269.322	ug/l	98
26) 2,2-Dichloropropane	5.59	77	1215363	50.976	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	962679	49.909	ug/l	99
28) Bromochloromethane	5.94	49	664892	48.632	ug/l	100
29) Tetrahydrofuran	5.96	42	514543	232.981	ug/l	100
30) Chloroform	6.10	83	1518547	48.839	ug/l	99
31) Cyclohexane	6.37	56	1383407	52.620	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	1307081	51.135	ug/l	98
36) 1,1-Dichloropropene	6.53	75	1173361	48.313	ug/l	98
37) Ethyl Acetate	5.70	43	530067	50.325	ug/l	99
38) Carbon Tetrachloride	6.51	117	1087555	49.879	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1327212	47.937	ug/l	98
40) Benzene	6.80	78	2987890	48.137	ug/l	100
41) Methacrylonitrile	5.93	41	255221m	44.950	ug/l	
42) 1,2-Dichloroethane	6.90	62	759667	48.136	ug/l	100
43) Isopropyl Acetate	8.35	43	645690	49.660	ug/l #	97
44) Trichloroethene	7.74	130	928482	50.054	ug/l	99
45) 1,2-Dichloropropane	8.10	63	745608	48.569	ug/l	99
46) Dibromomethane	8.22	93	436666	49.232	ug/l	98
47) Bromodichloromethane	8.50	83	1059388	50.339	ug/l	99
48) Methyl methacrylate	8.25	41	394176	51.236	ug/l	98
49) 1,4-Dioxane	8.23	88	75386	1081.169	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	2032491	251.301	ug/l	99
52) Toluene	9.55	92	1885184	48.593	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	869330	50.272	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	1139839	50.169	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	512121	47.402	ug/l	99
56) Ethyl methacrylate	10.03	69	508143	51.970	ug/l	99
57) 1,3-Dichloropropane	10.39	76	809258	48.455	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	1560578	266.747	ug/l	98
59) 2-Hexanone	10.48	43	1589853	281.229	ug/l	98
60) Dibromochloromethane	10.64	129	676817	50.106	ug/l	97
61) 1,2-Dibromoethane	10.76	107	545042	49.504	ug/l	97
64) Tetrachloroethene	10.25	164	856301	49.320	ug/l	97
65) Chlorobenzene	11.31	112	2012774	48.523	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	640383	47.897	ug/l	98
67) Ethyl Benzene	11.43	91	3276875	46.314	ug/l	99
68) m/p-Xylenes	11.57	106	2509372	95.866	ug/l	98
69) o-Xylene	11.93	106	1218642	48.852	ug/l	94
70) Styrene	11.95	104	1975529	49.338	ug/l	97
71) Bromoform	12.12	173	450533	50.509	ug/l	95
73) Isopropylbenzene	12.27	105	3351766	49.861	ug/l	99
74) N-amyl acetate	12.13	43	832913	51.268	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	532133	49.447	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	537050	49.895	ug/l	99
77) Bromobenzene	12.54	156	880132	49.810	ug/l	92
78) n-propylbenzene	12.64	91	4194347	49.360	ug/l	98
79) 2-Chlorotoluene	12.71	91	2277213	49.387	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2525018	49.158	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	157470	52.455	ug/l	98
82) 4-Chlorotoluene	12.81	91	2461711	47.534	ug/l	93
83) tert-Butylbenzene	13.04	119	2913920	50.595	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	2674253	50.281	ug/l	99
85) sec-Butylbenzene	13.22	105	3443665	47.974	ug/l	97
86) p-Isopropyltoluene	13.34	119	2802939	49.259	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1562759	48.848	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1518654	48.388	ug/l	95
89) n-Butylbenzene	13.64	91	2835253	50.378	ug/l	98
90) Hexachloroethane	13.86	117	731901	51.300	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	1252098	47.890	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	66941	51.336	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1034162	50.599	ug/l	96
94) Hexachlorobutadiene	14.88	225	744841	49.394	ug/l	99
95) Naphthalene	14.96	128	1257574	51.721	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	823449	50.564	ug/l	97

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

