

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122218\
 Data File : VD060700.D
 Acq On : 22 Dec 2018 10:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:04:06 AM

Quant Time: Dec 24 02:21:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.45	168	1579581	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.48	114	2215669	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.31	117	1696276	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	875745	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.82	65	475665	43.58	ug/l	0.03
Spiked Amount	50.000		Recovery	=	87.16%	
35) Dibromofluoromethane	6.36	113	713745	44.01	ug/l	0.03
Spiked Amount	50.000		Recovery	=	88.02%	
50) Toluene-d8	9.49	98	2174092	44.93	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.86%	
62) 4-Bromofluorobenzene	12.44	95	757767	44.72	ug/l	0.02
Spiked Amount	50.000		Recovery	=	89.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.62	85	1035879	51.324	ug/l	99
3) Chloromethane	1.78	50	937599	50.477	ug/l	100
4) Vinyl Chloride	1.88	62	730728	49.550	ug/l	100
5) Bromomethane	2.19	94	212585	64.353	ug/l	97
6) Chloroethane	2.30	64	264173	60.025	ug/l	99
7) Trichlorofluoromethane	2.54	101	872112	53.167	ug/l	98
8) Diethyl Ether	2.87	74	147439	53.725	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.13	101	551453	51.828	ug/l	98
10) Methyl Iodide	3.29	142	641951	57.408	ug/l	100
11) Tert butyl alcohol	4.01	59	112747	247.141	ug/l	95
12) 1,1-Dichloroethene	3.11	96	460853	52.714	ug/l	99
13) Acrolein	3.02	56	104317	224.389	ug/l	98
14) Allyl chloride	3.57	41	818592	51.028	ug/l	97
15) Acrylonitrile	4.13	53	627538	236.936	ug/l	97
16) Acetone	3.19	43	520341	272.954	ug/l	100
17) Carbon Disulfide	3.36	76	1448392	51.875	ug/l	98
18) Methyl Acetate	3.59	43	240873	50.984	ug/l	99
19) Methyl tert-butyl Ether	4.17	73	1107869	49.948	ug/l	100
20) Methylene Chloride	3.76	84	828277	41.837	ug/l	99
21) trans-1,2-Dichloroethene	4.15	96	907477	50.685	ug/l	99
22) Diisopropyl ether	4.89	45	2756123	50.601	ug/l	98
23) Vinyl Acetate	4.84	43	6413933	243.400	ug/l	100
24) 1,1-Dichloroethane	4.80	63	1465511	51.153	ug/l	99
25) 2-Butanone	5.66	43	905786	248.303	ug/l	98
26) 2,2-Dichloropropane	5.63	77	1168075	51.651	ug/l	100
27) cis-1,2-Dichloroethene	5.63	96	924661	50.875	ug/l	97
28) Bromochloromethane	5.97	49	625725	51.699	ug/l	94
29) Tetrahydrofuran	5.99	42	481165	232.672	ug/l	99
30) Chloroform	6.14	83	1422168	49.333	ug/l	99
31) Cyclohexane	6.41	56	1337853	48.525	ug/l	98
32) 1,1,1-Trichloroethane	6.33	97	1210773	50.766	ug/l	98
36) 1,1-Dichloropropene	6.56	75	1144160	50.149	ug/l	97
37) Ethyl Acetate	5.74	43	457764	47.974	ug/l	98
38) Carbon Tetrachloride	6.54	117	1022492	50.799	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	1256079	48.272	ug/l	96
40) Benzene	6.83	78	2948862	50.037	ug/l	100
41) Methacrylonitrile	5.96	41	224475m	42.530	ug/l	
42) 1,2-Dichloroethane	6.93	62	711671	48.662	ug/l	99
43) Isopropyl Acetate	8.38	43	592694	48.403	ug/l	100
44) Trichloroethene	7.78	130	909851	52.162	ug/l	98
45) 1,2-Dichloropropane	8.13	63	717931	49.674	ug/l	98
46) Dibromomethane	8.25	93	398821	48.349	ug/l	96
47) Bromodichloromethane	8.52	83	992902	50.821	ug/l	100
48) Methyl methacrylate	8.28	41	358689	48.229	ug/l	98
49) 1,4-Dioxane	8.26	88	64428	931.710	ug/l	95
51) 4-Methyl-2-Pentanone	9.37	43	1767501	235.599	ug/l	99
52) Toluene	9.58	92	1840064	49.806	ug/l	100
53) t-1,3-Dichloropropene	9.95	75	813252	49.895	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	1067933	50.057	ug/l	98
55) 1,1,2-Trichloroethane	10.21	97	479313	48.219	ug/l	99
56) Ethyl methacrylate	10.06	69	458153	49.622	ug/l	98
57) 1,3-Dichloropropane	10.41	76	775428	49.215	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.96	63	1254860	230.662	ug/l	99
59) 2-Hexanone	10.51	43	1304593	248.435	ug/l	99
60) Dibromochloromethane	10.67	129	621279	49.068	ug/l	100
61) 1,2-Dibromoethane	10.79	107	503169	48.801	ug/l	97
64) Tetrachloroethene	10.29	164	826844	53.780	ug/l	96
65) Chlorobenzene	11.34	112	1936740	51.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.44	131	637276	52.887	ug/l	100
67) Ethyl Benzene	11.45	91	3345396	52.123	ug/l	100
68) m/p-Xylenes	11.59	106	2464067	105.051	ug/l	100
69) o-Xylene	11.96	106	1183572	53.186	ug/l	98
70) Styrene	11.98	104	1906692	53.199	ug/l	100
71) Bromoform	12.14	173	413580	51.996	ug/l	96
73) Isopropylbenzene	12.29	105	3304227	52.993	ug/l	100
74) N-amyl acetate	12.16	43	762283	51.800	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	501957	49.667	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	497854	49.934	ug/l	97
77) Bromobenzene	12.56	156	871166	52.921	ug/l	95
78) n-propylbenzene	12.66	91	4118347	51.665	ug/l	99
79) 2-Chlorotoluene	12.73	91	2228653	52.199	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	2588149	53.755	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	146844	53.301	ug/l	94
82) 4-Chlorotoluene	12.83	91	2498569	51.631	ug/l	96
83) tert-Butylbenzene	13.06	119	2897071	52.871	ug/l	92
84) 1,2,4-Trimethylbenzene	13.11	105	2572892	51.885	ug/l	100
85) sec-Butylbenzene	13.24	105	3552762	53.166	ug/l	97
86) p-Isopropyltoluene	13.36	119	2848809	52.813	ug/l	99
87) 1,3-Dichlorobenzene	13.33	146	1485148	49.146	ug/l	96
88) 1,4-Dichlorobenzene	13.41	146	1505862	50.570	ug/l	96
89) n-Butylbenzene	13.66	91	2899039	52.593	ug/l	98
90) Hexachloroethane	13.88	117	723821	54.622	ug/l	89
91) 1,2-Dichlorobenzene	13.68	146	1259689	51.966	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	60990	51.368	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	993465	51.504	ug/l	98
94) Hexachlorobutadiene	14.89	225	732390	51.368	ug/l	97
95) Naphthalene	14.98	128	1128483	49.224	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	789697	52.372	ug/l	98

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

