

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041019\
 Data File : VD061708.D
 Acq On : 10 Apr 2019 12:38
 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
 4/11/2019 11:45:45 AM

Quant Time: Apr 11 01:14:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	765065	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1174332	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	989497	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	438863	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	273973	47.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	6.95	113	412323	50.68	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.44	98	913665	44.70	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.40%	
62) 4-Bromofluorobenzene	13.57	95	365551	51.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	404490	49.007	ug/l	96
3) Chloromethane	1.77	50	290978	43.626	ug/l	96
4) Vinyl Chloride	1.86	62	293967	47.166	ug/l	100
5) Bromomethane	2.17	94	63520	44.032	ug/l	93
6) Chloroethane	2.29	64	102917	52.721	ug/l	99
7) Trichlorofluoromethane	2.55	101	479649	50.970	ug/l	98
8) Diethyl Ether	2.90	74	126102	47.748	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	457449	49.445	ug/l	98
10) Methyl Iodide	3.33	142	663297	48.217	ug/l	99
11) Tert butyl alcohol	4.08	59	93774	241.280	ug/l	96
12) 1,1-Dichloroethene	3.15	96	384977	48.269	ug/l	95
13) Acrolein	3.05	56	136502	288.070	ug/l	95
14) Allyl chloride	3.65	41	528946	48.625	ug/l	99
15) Acrylonitrile	4.22	53	278339	208.046	ug/l	97
16) Acetone	3.24	43	454278	262.049	ug/l	98
17) Carbon Disulfide	3.40	76	1135491	43.815	ug/l	99
18) Methyl Acetate	3.66	43	146709	44.981	ug/l	94
19) Methyl tert-butyl Ether	4.27	73	595120	43.094	ug/l	98
20) Methylene Chloride	3.84	84	442536	44.986	ug/l	99
21) trans-1,2-Dichloroethene	4.25	96	370034	42.717	ug/l	98
22) Diisopropyl ether	5.15	45	1091741	47.868	ug/l	98
23) Vinyl Acetate	5.09	43	3031831	240.916	ug/l	100
24) 1,1-Dichloroethane	5.02	63	686505	49.120	ug/l	99
25) 2-Butanone	6.10	43	471144	235.749	ug/l	96
26) 2,2-Dichloropropane	6.06	77	561841	49.370	ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	431237	46.664	ug/l	95
28) Bromochloromethane	6.47	49	250177	48.525	ug/l	100
29) Tetrahydrofuran	6.48	42	210871	218.577	ug/l	99
30) Chloroform	6.70	83	722674	49.359	ug/l	98
31) Cyclohexane	6.98	56	482179	44.162	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	619563	48.289	ug/l	98
36) 1,1-Dichloropropene	7.18	75	527956	51.370	ug/l	98
37) Ethyl Acetate	6.20	43	208021	49.692	ug/l	97
38) Carbon Tetrachloride	7.14	117	655345m	54.407	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	532623	50.478	ug/l	97
40) Benzene	7.48	78	1274220	51.392	ug/l	99
41) Methacrylonitrile	6.47	41	239316	48.972	ug/l	99
42) 1,2-Dichloroethane	7.60	62	411429	52.763	ug/l	98
43) Isopropyl Acetate	9.26	43	315688	51.962	ug/l	99
44) Trichloroethene	8.57	130	494355	52.008	ug/l	98
45) 1,2-Dichloropropane	8.96	63	312363	50.800	ug/l	97
46) Dibromomethane	9.09	93	229024	52.115	ug/l	95
47) Bromodichloromethane	9.39	83	502134	52.025	ug/l	99
48) Methyl methacrylate	9.14	41	178852	51.070	ug/l	94
49) 1,4-Dioxane	9.11	88	43462	1124.341	ug/l #	87
51) 4-Methyl-2-Pentanone	10.32	43	989348	275.357	ug/l	98
52) Toluene	10.53	92	741192	47.872	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	450809	53.284	ug/l	97
54) cis-1,3-Dichloropropene	10.06	75	556928	53.399	ug/l	94
55) 1,1,2-Trichloroethane	11.22	97	258163	49.439	ug/l	96
56) Ethyl methacrylate	11.06	69	282806	51.338	ug/l	99
57) 1,3-Dichloropropane	11.42	76	408820	53.460	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	630158	242.438	ug/l	100
59) 2-Hexanone	11.55	43	745080	267.204	ug/l	94
60) Dibromochloromethane	11.71	129	432824	52.463	ug/l	98
61) 1,2-Dibromoethane	11.83	107	331260	54.244	ug/l	96
64) Tetrachloroethene	11.27	164	376548	49.024	ug/l	98
65) Chlorobenzene	12.42	112	897439	45.734	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	373739	49.496	ug/l	98
67) Ethyl Benzene	12.53	91	1351512	45.229	ug/l	98
68) m/p-Xylenes	12.68	106	1138917	98.864	ug/l	95
69) o-Xylene	13.07	106	532557	47.890	ug/l	94
70) Styrene	13.09	104	885955	46.651	ug/l	99
71) Bromoform	13.24	173	243428	51.958	ug/l	99
73) Isopropylbenzene	13.42	105	1464407	50.079	ug/l	97
74) N-amyl acetate	13.27	43	386561	48.654	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	311423	51.506	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	294287	49.288	ug/l	98
77) Bromobenzene	13.69	156	450973	53.131	ug/l	81
78) n-propylbenzene	13.78	91	1674574	47.873	ug/l	98
79) 2-Chlorotoluene	13.85	91	940348	47.010	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1178031	50.756	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	97950	54.061	ug/l	96
82) 4-Chlorotoluene	13.96	91	1139115	51.969	ug/l	99
83) tert-Butylbenzene	14.20	119	1381023	49.351	ug/l	100
84) 1,2,4-Trimethylbenzene	14.25	105	1097625	46.858	ug/l	100
85) sec-Butylbenzene	14.38	105	1532184	50.677	ug/l	99
86) p-Isopropyltoluene	14.50	119	1307856	49.864	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	783974	53.669	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	721970	48.984	ug/l	98
89) n-Butylbenzene	14.81	91	1142156	50.100	ug/l	99
90) Hexachloroethane	15.02	117	384764	54.064	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	569266	47.284	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	37778	51.777	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	299052	48.756	ug/l	96
94) Hexachlorobutadiene	16.05	225	235183	49.657	ug/l	99
95) Naphthalene	16.14	128	457992	47.190	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	142163	46.440	ug/l	95

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

