

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069210.D
 Acq On : 20 May 2021 10:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:47:58 PM

Quant Time: May 21 00:51:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	292039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	455141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	436135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	219511	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	138514	47.31	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.62%		
35) Dibromofluoromethane	7.908	113	144991	48.95	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.90%		
50) Toluene-d8	10.338	98	549369	50.48	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.96%		
62) 4-Bromofluorobenzene	12.626	95	177526	50.69	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.38%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	137990	44.44	ug/l	98
3) Chloromethane	2.209	50	166224	46.58	ug/l	98
4) Vinyl Chloride	2.350	62	216803	46.09	ug/l	100
5) Bromomethane	2.768	94	153477	43.38	ug/l	99
6) Chloroethane	2.921	64	145954	48.24	ug/l	92
7) Trichlorofluoromethane	3.268	101	260529	45.40	ug/l	98
8) Diethyl Ether	3.703	74	64337	49.11	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	156005	47.97	ug/l	98
10) Methyl Iodide	4.297	142	133024	39.50	ug/l	99
11) Tert butyl alcohol	5.226	59	42755	286.67	ug/l #	83
12) 1,1-Dichloroethene	4.062	96	138724	47.48	ug/l	98
13) Acrolein	3.926	56	67005	281.29	ug/l	98
14) Allyl chloride	4.715	41	149697	46.71	ug/l	98
15) Acrylonitrile	5.420	53	120911	247.30	ug/l	99
16) Acetone	4.156	43	132473	295.44	ug/l	97
17) Carbon Disulfide	4.403	76	437188	45.14	ug/l	98
18) Methyl Acetate	4.715	43	54290	49.83	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	262043	49.42	ug/l	98
20) Methylene Chloride	4.956	84	173174	46.91	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	165202	47.69	ug/l	96
22) Diisopropyl ether	6.362	45	324314	50.66	ug/l	96
23) Vinyl Acetate	6.303	43	966194	255.76	ug/l	99
24) 1,1-Dichloroethane	6.262	63	260869	47.17	ug/l	99
25) 2-Butanone	7.214	43	155258	255.52	ug/l	95
26) 2,2-Dichloropropane	7.209	77	249590	48.26	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	176726	46.98	ug/l	98
28) Bromochloromethane	7.544	49	100914	51.19	ug/l	98
29) Tetrahydrofuran	7.561	42	85012	257.39	ug/l	96
30) Chloroform	7.708	83	296487	47.62	ug/l	92
31) Cyclohexane	7.985	56	198710	45.80	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	269998	47.80	ug/l	100
36) 1,1-Dichloropropene	8.108	75	225980	51.07	ug/l	99
37) Ethyl Acetate	7.291	43	72225	50.80	ug/l	98
38) Carbon Tetrachloride	8.091	117	243201	49.17	ug/l	96
39) Methylcyclohexane	9.355	83	234838	50.32	ug/l	98
40) Benzene	8.350	78	634458	50.05	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	34522	45.62	ug/l #	86
42) 1,2-Dichloroethane	8.426	62	172398	49.81	ug/l	100
43) Isopropyl Acetate	8.450	43	132095	51.17	ug/l	99
44) Trichloroethene	9.108	130	171611	48.44	ug/l	94
45) 1,2-Dichloropropane	9.391	63	151700	50.71	ug/l	93
46) Dibromomethane	9.473	93	88728	49.61	ug/l	98
47) Bromodichloromethane	9.661	83	226516	49.77	ug/l	97
48) Methyl methacrylate	9.455	41	60712	50.85	ug/l	96
49) 1,4-Dioxane	9.461	88	18330	1051.02	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	353496	266.13	ug/l	99
52) Toluene	10.402	92	418145	51.12	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	200802	50.21	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	233635	48.87	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	118950	49.35	ug/l	98
56) Ethyl methacrylate	10.661	69	129880	49.41	ug/l	98
57) 1,3-Dichloropropane	10.944	76	200031	51.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	350330	293.58	ug/l	98
59) 2-Hexanone	10.985	43	259614	292.90	ug/l	99
60) Dibromochloromethane	11.138	129	155505	50.23	ug/l	100
61) 1,2-Dibromoethane	11.244	107	116828	49.04	ug/l	98
64) Tetrachloroethene	10.873	164	148668	49.05	ug/l	91
65) Chlorobenzene	11.667	112	441083	48.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	167100	49.02	ug/l	99
67) Ethyl Benzene	11.744	91	786965	50.59	ug/l	98
68) m/p-Xylenes	11.849	106	624164	102.39	ug/l	99
69) o-Xylene	12.179	106	278704	51.41	ug/l	100
70) Styrene	12.191	104	495131	52.32	ug/l	98
71) Bromoform	12.355	173	87582	49.40	ug/l #	100
73) Isopropylbenzene	12.479	105	760139	49.54	ug/l	99
74) N-amyl acetate	12.285	43	125350	49.96	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	137544	49.47	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	87231m	52.86	ug/l	
77) Bromobenzene	12.755	156	172554	47.40	ug/l	97
78) n-propylbenzene	12.814	91	932350	50.36	ug/l	100
79) 2-Chlorotoluene	12.902	91	508040	49.33	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	648860	51.30	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	40842	50.00	ug/l	98
82) 4-Chlorotoluene	13.002	91	534941	48.75	ug/l	100
83) tert-Butylbenzene	13.220	119	536216	50.87	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	639364	50.24	ug/l	100
85) sec-Butylbenzene	13.396	105	791806	49.95	ug/l	99
86) p-Isopropyltoluene	13.508	119	707626	50.81	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	353317	47.95	ug/l	98
88) 1,4-Dichlorobenzene	13.591	146	348036	47.69	ug/l	98
89) n-Butylbenzene	13.838	91	663053	51.10	ug/l	99
90) Hexachloroethane	14.108	117	123258	47.23	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	301291	47.61	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	20120	46.62	ug/l	99
93) 1,2,4-Trichlorobenzene	15.155	180	178858	46.12	ug/l	99
94) Hexachlorobutadiene	15.261	225	110548	47.50	ug/l	100
95) Naphthalene	15.390	128	321561	44.97	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	155802	46.96	ug/l	99

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

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