

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051921\
 Data File : VD069188.D
 Acq On : 19 May 2021 10:55
 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
 5/20/2021 5:59:36 PM

Quant Time: May 20 00:58:26 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	316118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	496976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	464493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	234257	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	149139	47.06	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.12%		
35) Dibromofluoromethane	7.914	113	160265	49.55	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.10%		
50) Toluene-d8	10.338	98	607194	51.10	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.20%		
62) 4-Bromofluorobenzene	12.626	95	193397	50.58	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	154348	45.92	ug/l	96
3) Chloromethane	2.209	50	172306	44.61	ug/l	98
4) Vinyl Chloride	2.350	62	232354	45.64	ug/l	99
5) Bromomethane	2.767	94	167095	43.63	ug/l	98
6) Chloroethane	2.920	64	160286	48.94	ug/l	98
7) Trichlorofluoromethane	3.273	101	285111	45.90	ug/l	98
8) Diethyl Ether	3.714	74	67726	47.76	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	166705	47.36	ug/l	98
10) Methyl Iodide	4.303	142	149033	40.85	ug/l	99
11) Tert butyl alcohol	5.226	59	40057	242.03	ug/l	99
12) 1,1-Dichloroethene	4.067	96	148780	47.04	ug/l	95
13) Acrolein	3.920	56	68053	263.93	ug/l	98
14) Allyl chloride	4.714	41	165818	47.79	ug/l	97
15) Acrylonitrile	5.420	53	122161	230.82	ug/l	99
16) Acetone	4.162	43	135682	279.55	ug/l	91
17) Carbon Disulfide	4.409	76	479549	45.74	ug/l	100
18) Methyl Acetate	4.714	43	55134	46.75	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	283166	49.34	ug/l	98
20) Methylene Chloride	4.967	84	177866	43.94	ug/l	93
21) trans-1,2-Dichloroethene	5.467	96	179146	47.77	ug/l	97
22) Diisopropyl ether	6.361	45	338614	48.87	ug/l	98
23) Vinyl Acetate	6.303	43	1017699	248.87	ug/l	100
24) 1,1-Dichloroethane	6.261	63	282847	47.25	ug/l	98
25) 2-Butanone	7.208	43	162716	247.40	ug/l	91
26) 2,2-Dichloropropane	7.208	77	267661	47.81	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	188833	46.38	ug/l	99
28) Bromochloromethane	7.550	49	101890	47.75	ug/l	100
29) Tetrahydrofuran	7.561	42	85600	239.42	ug/l	97
30) Chloroform	7.708	83	314797	46.71	ug/l	93
31) Cyclohexane	7.979	56	220866	47.03	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	293175	47.95	ug/l	100
36) 1,1-Dichloropropene	8.114	75	242931	50.28	ug/l	98
37) Ethyl Acetate	7.291	43	72673	46.81	ug/l	98
38) Carbon Tetrachloride	8.097	117	260209	48.18	ug/l	93
39) Methylcyclohexane	9.355	83	266239	52.24	ug/l	96
40) Benzene	8.350	78	678523	49.02	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	41253	49.92	ug/l #	89
42) 1,2-Dichloroethane	8.426	62	181038	47.90	ug/l	99
43) Isopropyl Acetate	8.450	43	137225	48.68	ug/l	98
44) Trichloroethene	9.114	130	193462	50.01	ug/l	98
45) 1,2-Dichloropropane	9.385	63	164587	50.38	ug/l	98
46) Dibromomethane	9.473	93	92271	47.25	ug/l	100
47) Bromodichloromethane	9.661	83	240514	48.40	ug/l	97
48) Methyl methacrylate	9.455	41	67267	51.60	ug/l	96
49) 1,4-Dioxane	9.461	88	19709	1034.71	ug/l #	91
51) 4-Methyl-2-Pentanone	10.226	43	364525	251.33	ug/l	99
52) Toluene	10.402	92	446119	49.94	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	213205	48.82	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	252443	48.36	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	127668	48.50	ug/l	98
56) Ethyl methacrylate	10.661	69	131997	46.08	ug/l	97
57) 1,3-Dichloropropane	10.944	76	213181	50.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	360366	276.57	ug/l	100
59) 2-Hexanone	10.979	43	265539	274.36	ug/l	99
60) Dibromochloromethane	11.138	129	165464	48.95	ug/l	99
61) 1,2-Dibromoethane	11.243	107	122083	46.93	ug/l	98
64) Tetrachloroethene	10.873	164	155972	48.32	ug/l	96
65) Chlorobenzene	11.667	112	472643	49.10	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	176057	48.49	ug/l	99
67) Ethyl Benzene	11.743	91	861690	52.01	ug/l	97
68) m/p-Xylenes	11.849	106	676744	104.23	ug/l	99
69) o-Xylene	12.179	106	305755	52.95	ug/l	99
70) Styrene	12.191	104	535271	53.11	ug/l	98
71) Bromoform	12.355	173	93493	49.51	ug/l #	99
73) Isopropylbenzene	12.473	105	838884	51.24	ug/l	100
74) N-amyl acetate	12.285	43	131218	49.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	139000	46.85	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	86976m	49.39	ug/l	
77) Bromobenzene	12.755	156	186105	47.90	ug/l	98
78) n-propylbenzene	12.814	91	1009835	51.12	ug/l	99
79) 2-Chlorotoluene	12.902	91	547362	49.80	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	717542	53.15	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	41476	47.58	ug/l	96
82) 4-Chlorotoluene	13.002	91	573479	48.97	ug/l	100
83) tert-Butylbenzene	13.220	119	586045	52.10	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	709395	52.23	ug/l	99
85) sec-Butylbenzene	13.396	105	865023	51.14	ug/l	99
86) p-Isopropyltoluene	13.508	119	758530	51.03	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	387730	49.31	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	376412	48.33	ug/l	99
89) n-Butylbenzene	13.837	91	853222	61.61	ug/l	99
90) Hexachloroethane	14.102	117	139453	50.07	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	378955	56.12	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	26410	57.35	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	228919	55.32	ug/l	99
94) Hexachlorobutadiene	15.261	225	149444	60.17	ug/l	99
95) Naphthalene	15.390	128	453188	58.74	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	224085	63.29	ug/l	98

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

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