

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069555.D
 Acq On : 23 Jun 2021 19:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/24/2021 4:56:38 PM

Quant Time: Jun 24 06:11:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	577971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1048530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1003954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	460695	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	369163	51.24	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.48%			
35) Dibromofluoromethane	7.914	113	353269	49.84	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.68%			
50) Toluene-d8	10.338	98	1328066	49.95	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.90%			
62) 4-Bromofluorobenzene	12.626	95	446148	51.04	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.08%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	261069	47.09	ug/l	99
3) Chloromethane	2.209	50	412094	50.82	ug/l	98
4) Vinyl Chloride	2.350	62	438394	48.50	ug/l	100
5) Bromomethane	2.768	94	282126	52.19	ug/l	99
6) Chloroethane	2.920	64	298417	49.56	ug/l	99
7) Trichlorofluoromethane	3.273	101	544201	50.69	ug/l	97
8) Diethyl Ether	3.709	74	160582	56.55	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	326206	49.68	ug/l	97
10) Methyl Iodide	4.297	142	293321	48.59	ug/l	99
11) Tert butyl alcohol	5.220	59	97399	260.86	ug/l #	87
12) 1,1-Dichloroethene	4.067	96	301513	52.83	ug/l	98
13) Acrolein	3.920	56	101874	254.06	ug/l	98
14) Allyl chloride	4.714	41	478169	59.76	ug/l	94
15) Acrylonitrile	5.420	53	357262	299.71	ug/l	100
16) Acetone	4.156	43	286853	236.56	ug/l	99
17) Carbon Disulfide	4.409	76	1010487	53.78	ug/l	100
18) Methyl Acetate	4.714	43	176958	59.30	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	661210	58.95	ug/l	99
20) Methylene Chloride	4.962	84	454123	60.12	ug/l	99
21) trans-1,2-Dichloroethene	5.467	96	384272	55.81	ug/l	96
22) Diisopropyl ether	6.361	45	1018565	63.17	ug/l	96
23) Vinyl Acetate	6.303	43	2900051	280.33	ug/l	100
24) 1,1-Dichloroethane	6.267	63	714238	55.93	ug/l	99
25) 2-Butanone	7.208	43	454690	295.08	ug/l	96
26) 2,2-Dichloropropane	7.208	77	538057	51.54	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	425231	56.83	ug/l	99
28) Bromochloromethane	7.544	49	288954	57.77	ug/l	98
29) Tetrahydrofuran	7.561	42	267494	316.64	ug/l	99
30) Chloroform	7.708	83	751829	55.69	ug/l	97
31) Cyclohexane	7.979	56	486721	50.18	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	594874	53.47	ug/l	98
36) 1,1-Dichloropropene	8.114	75	526878	51.20	ug/l	99
37) Ethyl Acetate	7.291	43	219214	57.40	ug/l	98
38) Carbon Tetrachloride	8.097	117	502241	49.31	ug/l	93
39) Methylcyclohexane	9.355	83	513844	50.62	ug/l	100
40) Benzene	8.350	78	1592954	53.69	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	125642	56.54	ug/l	92
42) 1,2-Dichloroethane	8.420	62	464338	53.87	ug/l	99
43) Isopropyl Acetate	8.450	43	398332	57.42	ug/l	99
44) Trichloroethene	9.114	130	385467	51.49	ug/l	100
45) 1,2-Dichloropropane	9.385	63	423514	55.61	ug/l	99
46) Dibromomethane	9.473	93	217132	54.44	ug/l	98
47) Bromodichloromethane	9.661	83	573948	53.59	ug/l	97
48) Methyl methacrylate	9.455	41	185376	56.25	ug/l	97
49) 1,4-Dioxane	9.461	88	43943	1118.44	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	1082188	296.64	ug/l	99
52) Toluene	10.402	92	990883	54.13	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	495249	53.48	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	593899	53.33	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	301345	53.50	ug/l	100
56) Ethyl methacrylate	10.661	69	348098	52.44	ug/l	99
57) 1,3-Dichloropropane	10.944	76	530266	55.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	958196	275.43	ug/l	99
59) 2-Hexanone	10.979	43	728690	295.99	ug/l	100
60) Dibromochloromethane	11.138	129	356580	53.72	ug/l	100
61) 1,2-Dibromoethane	11.244	107	281847	54.27	ug/l	98
64) Tetrachloroethene	10.873	164	310125	49.19	ug/l	99
65) Chlorobenzene	11.667	112	1029371	51.55	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	374251	51.55	ug/l	98
67) Ethyl Benzene	11.738	91	1870940	53.64	ug/l	99
68) m/p-Xylenes	11.849	106	1424050	108.43	ug/l	100
69) o-Xylene	12.173	106	650353	55.24	ug/l	99
70) Styrene	12.191	104	1159270	55.90	ug/l	99
71) Bromoform	12.355	173	187073	50.85	ug/l	100
73) Isopropylbenzene	12.473	105	1706031	53.75	ug/l	100
74) N-amyl acetate	12.285	43	370990	57.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	343982	53.95	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	249367m	55.14	ug/l	
77) Bromobenzene	12.755	156	383575	53.22	ug/l	95
78) n-propylbenzene	12.814	91	2151453	54.00	ug/l	99
79) 2-Chlorotoluene	12.902	91	1233647	54.20	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	1482809	55.51	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	93419	51.58	ug/l	99
82) 4-Chlorotoluene	12.996	91	1316686	53.96	ug/l	99
83) tert-Butylbenzene	13.214	119	1157843	48.46	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	1482754	55.84	ug/l	99
85) sec-Butylbenzene	13.390	105	1750084	52.55	ug/l	100
86) p-Isopropyltoluene	13.508	119	1525875	54.43	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	773742	52.41	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	757688	51.52	ug/l	99
89) n-Butylbenzene	13.832	91	1466847	52.45	ug/l	100
90) Hexachloroethane	14.102	117	278854	50.89	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	669513	52.43	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	51397	53.13	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	384067	53.91	ug/l	99
94) Hexachlorobutadiene	15.255	225	220417	49.31	ug/l	100
95) Naphthalene	15.390	128	727655	50.65	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	340120	54.17	ug/l	100

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

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