

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069779.D
 Acq On : 20 Jul 2021 19:39
 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
 7/21/2021 5:52:15 PM

Quant Time: Jul 21 03:28:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	460189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	842510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	831172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	406375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	330232	57.471	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.940%			
35) Dibromofluoromethane	7.908	113	328262	58.076	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.160%			
50) Toluene-d8	10.337	98	1245585	56.723	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.440%			
62) 4-Bromofluorobenzene	12.625	95	427931	58.432	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	242674	51.138	ug/l	98
3) Chloromethane	2.208	50	374600	57.727	ug/l	98
4) Vinyl Chloride	2.344	62	380918	54.416	ug/l	100
5) Bromomethane	2.755	94	256642	59.666	ug/l	95
6) Chloroethane	2.914	64	263595	58.852	ug/l	98
7) Trichlorofluoromethane	3.267	101	466614	52.857	ug/l	95
8) Diethyl Ether	3.708	74	152414	59.177	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.096	101	298068	54.447	ug/l	99
10) Methyl Iodide	4.296	142	279047	48.799	ug/l	99
11) Tert butyl alcohol	5.214	59	76288	99.370	ug/l #	89
12) 1,1-Dichloroethene	4.067	96	280578	55.907	ug/l	94
13) Acrolein	3.926	56	104369	263.462	ug/l	98
14) Allyl chloride	4.714	41	434609	56.046	ug/l	99
15) Acrylonitrile	5.420	53	361734	309.725	ug/l	99
16) Acetone	4.155	43	254085	224.603	ug/l	100
17) Carbon Disulfide	4.402	76	998026	56.299	ug/l	98
18) Methyl Acetate	4.720	43	172291	63.373	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	657532	61.890	ug/l	99
20) Methylene Chloride	4.961	84	473987	62.619	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	339778	56.693	ug/l	97
22) Diisopropyl ether	6.361	45	1050585	65.371	ug/l	98
23) Vinyl Acetate	6.302	43	2557147	280.923	ug/l	100
24) 1,1-Dichloroethane	6.261	63	669815	59.725	ug/l	99
25) 2-Butanone	7.208	43	394916	290.793	ug/l	99
26) 2,2-Dichloropropane	7.208	77	468081	52.313	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	395669	61.201	ug/l	96
28) Bromochloromethane	7.543	49	281580	65.059	ug/l	94
29) Tetrahydrofuran	7.561	42	271022	322.104	ug/l	99
30) Chloroform	7.708	83	627247	56.226	ug/l	98
31) Cyclohexane	7.985	56	505552	51.716	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	536176	56.682	ug/l	100
36) 1,1-Dichloropropene	8.108	75	470033	54.078	ug/l	98
37) Ethyl Acetate	7.290	43	191842	58.349	ug/l	98
38) Carbon Tetrachloride	8.096	117	443986	55.783	ug/l	99
39) Methylcyclohexane	9.349	83	472081	45.645	ug/l	98
40) Benzene	8.349	78	1474849	58.830	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	113006	66.321	ug/l	93
42) 1,2-Dichloroethane	8.420	62	403960	59.366	ug/l	99
43) Isopropyl Acetate	8.449	43	350192	58.163	ug/l	100
44) Trichloroethene	9.108	130	336668	55.381	ug/l	98
45) 1,2-Dichloropropane	9.384	63	367971	55.845	ug/l	98
46) Dibromomethane	9.473	93	189005	58.772	ug/l	99
47) Bromodichloromethane	9.655	83	516428	60.591	ug/l	95
48) Methyl methacrylate	9.449	41	148915	47.699	ug/l	88
49) 1,4-Dioxane	9.455	88	42142	1015.835	ug/l	91
51) 4-Methyl-2-Pentanone	10.226	43	968781	310.713	ug/l	100
52) Toluene	10.396	92	898125	59.561	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	422619	58.985	ug/l	99
54) cis-1,3-Dichloropropene	10.084	75	502385	57.100	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	253570	56.367	ug/l	98
56) Ethyl methacrylate	10.655	69	324949	56.320	ug/l	99
57) 1,3-Dichloropropane	10.943	76	480777	60.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	794807	308.041	ug/l	99
59) 2-Hexanone	10.978	43	626922	301.665	ug/l	99
60) Dibromochloromethane	11.137	129	320879	61.142	ug/l	99
61) 1,2-Dibromoethane	11.243	107	261000	62.533	ug/l	100
64) Tetrachloroethene	10.873	164	271564	53.503	ug/l	94
65) Chlorobenzene	11.667	112	938206	56.505	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	347948	58.664	ug/l	99
67) Ethyl Benzene	11.737	91	1695031	57.648	ug/l	99
68) m/p-Xylenes	11.849	106	1339261	120.453	ug/l	98
69) o-Xylene	12.173	106	613469	60.593	ug/l	98
70) Styrene	12.190	104	1107315	62.673	ug/l	99
71) Bromoform	12.355	173	172094	59.845	ug/l	98
73) Isopropylbenzene	12.473	105	1558689	53.867	ug/l	100
74) N-amyl acetate	12.284	43	335187	53.308	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	322836	56.013	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	221350m	56.069	ug/l	
77) Bromobenzene	12.755	156	356092	55.469	ug/l	99
78) n-propylbenzene	12.814	91	2022596	55.127	ug/l	100
79) 2-Chlorotoluene	12.896	91	1161580	53.853	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1368716	55.770	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	77176	52.537	ug/l	99
82) 4-Chlorotoluene	12.996	91	1238258	54.707	ug/l	99
83) tert-Butylbenzene	13.214	119	1074359	53.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1366367	56.113	ug/l	98
85) sec-Butylbenzene	13.390	105	1679421	53.408	ug/l	99
86) p-Isopropyltoluene	13.508	119	1399730	54.652	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	741075	55.585	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	718814	53.988	ug/l	99
89) n-Butylbenzene	13.831	91	1309966	51.626	ug/l	100
90) Hexachloroethane	14.102	117	281467	54.006	ug/l	99
91) 1,2-Dichlorobenzene	13.878	146	641197	55.777	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	45150	52.595	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	346989	54.294	ug/l	98
94) Hexachlorobutadiene	15.255	225	192657	49.999	ug/l	99
95) Naphthalene	15.390	128	655972	50.981	ug/l	100
96) 1,2,3-Trichlorobenzene	15.578	180	305684	55.683	ug/l	99

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

