

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073166.D
 Acq On : 20 May 2022 04:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 20 05:37:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	281901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	493964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	487778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180529	57.947	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.900%			
35) Dibromofluoromethane	7.908	113	179999	55.223	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.440%			
50) Toluene-d8	10.332	98	660444	54.967	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.940%			
62) 4-Bromofluorobenzene	12.620	95	234397	55.588	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	119434	42.400	ug/l	96
3) Chloromethane	2.209	50	146388	45.959	ug/l	98
4) Vinyl Chloride	2.350	62	130336	44.749	ug/l	98
5) Bromomethane	2.761	94	99689	53.687	ug/l	99
6) Chloroethane	2.920	64	89507	49.990	ug/l	100
7) Trichlorofluoromethane	3.267	101	239530	46.510	ug/l	99
8) Diethyl Ether	3.703	74	76943	54.370	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.085	101	139120	45.274	ug/l	97
10) Methyl Iodide	4.291	142	162785	49.101	ug/l	99
11) Tert butyl alcohol	5.214	59	73747	152.573	ug/l #	84
12) 1,1-Dichloroethene	4.067	96	137399	48.499	ug/l	90
13) Acrolein	3.920	56	47748	250.156	ug/l	96
14) Allyl chloride	4.714	41	222008	48.548	ug/l	90
15) Acrylonitrile	5.414	53	195283	301.773	ug/l	99
16) Acetone	4.155	43	144471	267.727	ug/l	98
17) Carbon Disulfide	4.403	76	457623	48.727	ug/l	98
18) Methyl Acetate	4.714	43	88167	58.758	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	375852	58.235	ug/l	100
20) Methylene Chloride	4.961	84	204715	60.661	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	175386	51.202	ug/l	96
22) Diisopropyl ether	6.361	45	548194	57.185	ug/l	94
23) Vinyl Acetate	6.302	43	1492164	291.818	ug/l #	92
24) 1,1-Dichloroethane	6.261	63	325074	52.830	ug/l	99
25) 2-Butanone	7.208	43	233654	295.957	ug/l	93
26) 2,2-Dichloropropane	7.202	77	227978	43.445	ug/l	94
27) cis-1,2-Dichloroethene	7.208	96	203730	53.752	ug/l	89
28) Bromochloromethane	7.538	49	120645	56.911	ug/l	86
29) Tetrahydrofuran	7.561	42	155359	304.330	ug/l	92
30) Chloroform	7.702	83	354413	55.170	ug/l	100
31) Cyclohexane	7.979	56	240474	44.170	ug/l	94
32) 1,1,1-Trichloroethane	7.896	97	284870	50.702	ug/l	97
36) 1,1-Dichloropropene	8.108	75	239274	48.809	ug/l	97
37) Ethyl Acetate	7.291	43	111504	57.585	ug/l #	94
38) Carbon Tetrachloride	8.091	117	236301	47.552	ug/l	97
39) Methylcyclohexane	9.349	83	248547	45.494	ug/l	99
40) Benzene	8.344	78	746230	52.818	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	62940	55.789	ug/l	89
42) 1,2-Dichloroethane	8.414	62	213032	54.190	ug/l	96
43) Isopropyl Acetate	8.444	43	204322	57.088	ug/l #	92
44) Trichloroethene	9.102	130	187749	49.833	ug/l	99
45) 1,2-Dichloropropane	9.379	63	190343	53.496	ug/l	97
46) Dibromomethane	9.461	93	107359	54.939	ug/l	98
47) Bromodichloromethane	9.655	83	266392	53.278	ug/l	99
48) Methyl methacrylate	9.449	41	106847	59.337	ug/l	90
49) 1,4-Dioxane	9.455	88	23478	1163.401	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	563744	303.266	ug/l	95
52) Toluene	10.396	92	475188	53.225	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	239779	53.082	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	281056	51.993	ug/l #	88
55) 1,1,2-Trichloroethane	10.790	97	149643	56.629	ug/l	97
56) Ethyl methacrylate	10.649	69	175079	59.590	ug/l	87
57) 1,3-Dichloropropane	10.937	76	251139	56.641	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	378968	269.631	ug/l	97
59) 2-Hexanone	10.973	43	380176	310.208	ug/l	94
60) Dibromochloromethane	11.132	129	182411	55.360	ug/l	98
61) 1,2-Dibromoethane	11.237	107	139402	55.206	ug/l	94
64) Tetrachloroethene	10.867	164	147454	46.154	ug/l	90
65) Chlorobenzene	11.661	112	507187	50.685	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	192731	51.933	ug/l	99
67) Ethyl Benzene	11.732	91	887725	50.536	ug/l	98
68) m/p-Xylenes	11.843	106	697161	102.152	ug/l	98
69) o-Xylene	12.167	106	326975	52.152	ug/l	95
70) Styrene	12.184	104	576888	53.482	ug/l	98
71) Bromoform	12.349	173	104770	54.853	ug/l #	96
73) Isopropylbenzene	12.467	105	827130	48.425	ug/l	98
74) N-amyl acetate	12.279	43	200936	53.925	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	166646	52.900	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	116479m	49.547	ug/l	
77) Bromobenzene	12.749	156	202867	50.454	ug/l	94
78) n-propylbenzene	12.808	91	1030825	48.072	ug/l	99
79) 2-Chlorotoluene	12.896	91	611948	49.426	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	724488	50.071	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	48100	49.120	ug/l	91
82) 4-Chlorotoluene	12.990	91	638547	49.204	ug/l	99
83) tert-Butylbenzene	13.208	119	590267	48.404	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	721899	50.504	ug/l	99
85) sec-Butylbenzene	13.384	105	883767	47.464	ug/l	99
86) p-Isopropyltoluene	13.502	119	732308	48.247	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	403195	49.749	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	392773	48.010	ug/l	99
89) n-Butylbenzene	13.826	91	678259	46.899	ug/l	99
90) Hexachloroethane	14.096	117	153877	48.996	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	352690	50.296	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	25014	51.851	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	193849	48.693	ug/l	98
94) Hexachlorobutadiene	15.249	225	101284	45.148	ug/l	97
95) Naphthalene	15.378	128	388982	49.638	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	180708	51.202	ug/l	97

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

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