

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031722\
 Data File : VD072260.D
 Acq On : 17 Mar 2022 23:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 18 05:38:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	340082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	563799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	530779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	269739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	222918	58.817	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.640%			
35) Dibromofluoromethane	7.909	113	219659	55.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.720%			
50) Toluene-d8	10.332	98	785260	54.129	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.260%			
62) 4-Bromofluorobenzene	12.620	95	300914	53.383	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	142479	45.296	ug/l	94
3) Chloromethane	2.209	50	161987	57.953	ug/l	97
4) Vinyl Chloride	2.344	62	148480	55.032	ug/l	99
5) Bromomethane	2.762	94	109505	62.328	ug/l	95
6) Chloroethane	2.915	64	104402	58.526	ug/l	94
7) Trichlorofluoromethane	3.273	101	305200	50.089	ug/l	99
8) Diethyl Ether	3.709	74	97667	58.038	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	192610	49.576	ug/l	97
10) Methyl Iodide	4.297	142	151411	43.790	ug/l	97
11) Tert butyl alcohol	5.220	59	58445	265.961	ug/l	97
12) 1,1-Dichloroethene	4.068	96	162528	51.999	ug/l	96
13) Acrolein	3.926	56	51185	261.032	ug/l	97
14) Allyl chloride	4.715	41	305508	55.904	ug/l	94
15) Acrylonitrile	5.415	53	253481	298.524	ug/l	97
16) Acetone	4.150	43	181627	220.718	ug/l	92
17) Carbon Disulfide	4.403	76	383757	52.564	ug/l	100
18) Methyl Acetate	4.715	43	112265	55.671	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	488291	57.477	ug/l	99
20) Methylene Chloride	4.962	84	230498	57.565	ug/l	90
21) trans-1,2-Dichloroethene	5.468	96	198004	57.275	ug/l	95
22) Diisopropyl ether	6.362	45	734227	58.904	ug/l	95
23) Vinyl Acetate	6.303	43	1967855	309.342	ug/l	97
24) 1,1-Dichloroethane	6.262	63	416129	56.607	ug/l	99
25) 2-Butanone	7.209	43	305606	278.540	ug/l	98
26) 2,2-Dichloropropane	7.209	77	310436	46.803	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	251665	57.020	ug/l	94
28) Bromochloromethane	7.544	49	186497	63.018	ug/l	88
29) Tetrahydrofuran	7.561	42	197223	305.701	ug/l	93
30) Chloroform	7.709	83	441513	56.377	ug/l	95
31) Cyclohexane	7.985	56	307307	51.898	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	365675	52.573	ug/l	97
36) 1,1-Dichloropropene	8.109	75	292066	52.475	ug/l	98
37) Ethyl Acetate	7.291	43	142623	58.498	ug/l	98
38) Carbon Tetrachloride	8.097	117	313827	49.603	ug/l	99
39) Methylcyclohexane	9.350	83	320595	51.187	ug/l	98
40) Benzene	8.344	78	881405	55.508	ug/l	98

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41) Methacrylonitrile	7.520	41	84067	59.158	ug/l	91
42) 1,2-Dichloroethane	8.420	62	269059	55.858	ug/l	97
43) Isopropyl Acetate	8.450	43	271999	57.478	ug/l	95
44) Trichloroethene	9.108	130	235916	52.923	ug/l	98
45) 1,2-Dichloropropane	9.379	63	241817	55.529	ug/l	99
46) Dibromomethane	9.467	93	123777	57.782	ug/l	94
47) Bromodichloromethane	9.656	83	338093	54.139	ug/l	99
48) Methyl methacrylate	9.450	41	129163	57.162	ug/l	86
49) 1,4-Dioxane	9.456	88	29002	1129.008	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	739778	297.641	ug/l	96
52) Toluene	10.397	92	569574	54.512	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	310473	54.416	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	356793	54.094	ug/l	93
55) 1,1,2-Trichloroethane	10.797	97	179567	55.027	ug/l	96
56) Ethyl methacrylate	10.655	69	219525	57.434	ug/l	91
57) 1,3-Dichloropropane	10.938	76	313315	57.208	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	489108	284.601	ug/l	98
59) 2-Hexanone	10.979	43	495449	288.616	ug/l	95
60) Dibromochloromethane	11.132	129	230207	54.366	ug/l	97
61) 1,2-Dibromoethane	11.238	107	163551	55.465	ug/l	97
64) Tetrachloroethene	10.867	164	188836	50.494	ug/l	98
65) Chlorobenzene	11.661	112	623607	52.996	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	243139	52.252	ug/l	98
67) Ethyl Benzene	11.738	91	1117154	53.156	ug/l	99
68) m/p-Xylenes	11.844	106	850866	106.620	ug/l	99
69) o-Xylene	12.173	106	408789	53.553	ug/l	97
70) Styrene	12.185	104	723859	54.305	ug/l	98
71) Bromoform	12.349	173	132492	53.303	ug/l #	100
73) Isopropylbenzene	12.473	105	1106849	51.781	ug/l	100
74) N-amyl acetate	12.279	43	263374	57.335	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	206433	53.998	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	158885m	53.398	ug/l	
77) Bromobenzene	12.749	156	252034	52.386	ug/l	95
78) n-propylbenzene	12.808	91	1340021	51.611	ug/l	99
79) 2-Chlorotoluene	12.897	91	787263	52.437	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	944375	51.426	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	60127	50.137	ug/l	93
82) 4-Chlorotoluene	12.997	91	809602	52.080	ug/l	100
83) tert-Butylbenzene	13.214	119	811329	50.394	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	929486	51.370	ug/l	98
85) sec-Butylbenzene	13.391	105	1197125	49.514	ug/l	99
86) p-Isopropyltoluene	13.502	119	994002	49.962	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	510769	50.656	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	505244	50.532	ug/l	99
89) n-Butylbenzene	13.832	91	933519	49.228	ug/l	99
90) Hexachloroethane	14.096	117	195421	50.117	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	454533	51.704	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	31963	52.389	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	280475	48.190	ug/l	99
94) Hexachlorobutadiene	15.249	225	149387	44.124	ug/l	99
95) Naphthalene	15.385	128	523997	52.228	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	250212	49.666	ug/l	99

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

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