

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073031.D
 Acq On : 16 May 2022 12:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/17/2022
 Supervised By :Mahesh Dadoda 05/17/2022

Quant Time: May 17 03:27:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	323590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	521703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	481384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	238526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	180240	42.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.820%		
35) Dibromofluoromethane	7.908	113	183330	50.036	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.080%		
50) Toluene-d8	10.332	98	682644	51.940	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.880%		
62) 4-Bromofluorobenzene	12.620	95	249393	50.889	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.780%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	215335	48.156	ug/l	99
3) Chloromethane	2.209	50	196524	42.260	ug/l	99
4) Vinyl Chloride	2.344	62	201184	48.214	ug/l	99
5) Bromomethane	2.756	94	130017	50.676	ug/l	93
6) Chloroethane	2.914	64	121064	46.551	ug/l	99
7) Trichlorofluoromethane	3.267	101	384777	52.659	ug/l	94
8) Diethyl Ether	3.709	74	103611	49.460	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	236543	54.528	ug/l	97
10) Methyl Iodide	4.291	142	222155	51.029	ug/l	99
11) Tert butyl alcohol	5.208	59	89817	247.140	ug/l #	95
12) 1,1-Dichloroethene	4.061	96	205577	52.687	ug/l	88
13) Acrolein	3.914	56	21637	73.866	ug/l	98
14) Allyl chloride	4.709	41	321079	50.969	ug/l	91
15) Acrylonitrile	5.414	53	246320	247.420	ug/l	96
16) Acetone	4.150	43	212084	270.924	ug/l	92
17) Carbon Disulfide	4.409	76	573001	46.704	ug/l	100
18) Methyl Acetate	4.714	43	111796	48.906	ug/l #	91
19) Methyl tert-butyl Ether	5.473	73	477748	51.074	ug/l	98
20) Methylene Chloride	4.956	84	242284	47.967	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	229675	51.324	ug/l	88
22) Diisopropyl ether	6.355	45	689069	49.725	ug/l	93
23) Vinyl Acetate	6.297	43	1934442	252.697	ug/l #	93
24) 1,1-Dichloroethane	6.255	63	421553	50.632	ug/l	99
25) 2-Butanone	7.202	43	308230	251.847	ug/l	92
26) 2,2-Dichloropropane	7.197	77	379607	53.933	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	257759	50.291	ug/l	93
28) Bromochloromethane	7.544	49	147173	47.402	ug/l #	79
29) Tetrahydrofuran	7.555	42	194493	249.316	ug/l	92
30) Chloroform	7.702	83	440548	50.008	ug/l	98
31) Cyclohexane	7.979	56	370705	50.486	ug/l	87
32) 1,1,1-Trichloroethane	7.897	97	405581	54.019	ug/l	95
36) 1,1-Dichloropropene	8.108	75	337963	56.727	ug/l	96
37) Ethyl Acetate	7.285	43	143342	52.338	ug/l #	97
38) Carbon Tetrachloride	8.091	117	353928	57.229	ug/l	99
39) Methylcyclohexane	9.349	83	399840	57.860	ug/l	95
40) Benzene	8.344	78	925850	53.813	ug/l	98

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41) Methacrylonitrile	7.514	41	83515	51.212	ug/l	93
42) 1,2-Dichloroethane	8.414	62	257505	49.667	ug/l	97
43) Isopropyl Acetate	8.444	43	264169	52.259	ug/l #	94
44) Trichloroethene	9.108	130	249590	54.225	ug/l	96
45) 1,2-Dichloropropane	9.379	63	234606	51.923	ug/l	99
46) Dibromomethane	9.467	93	123941	49.727	ug/l	96
47) Bromodichloromethane	9.655	83	328259	51.196	ug/l	100
48) Methyl methacrylate	9.449	41	134996	54.588	ug/l	92
49) 1,4-Dioxane	9.449	88	30880	1100.237	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	707865	269.482	ug/l	93
52) Toluene	10.396	92	602564	56.144	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	304453	51.695	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	360373	52.668	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	176285	52.320	ug/l	98
56) Ethyl methacrylate	10.655	69	221635	55.868	ug/l	88
57) 1,3-Dichloropropane	10.938	76	300539	51.978	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	516944	268.763	ug/l	96
59) 2-Hexanone	10.973	43	493323	279.106	ug/l	95
60) Dibromochloromethane	11.132	129	220241	51.924	ug/l	100
61) 1,2-Dibromoethane	11.238	107	171261	52.221	ug/l	100
64) Tetrachloroethene	10.867	164	205827	58.482	ug/l	98
65) Chlorobenzene	11.661	112	624901	56.125	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	242086	57.855	ug/l	99
67) Ethyl Benzene	11.738	91	1167888	60.610	ug/l	98
68) m/p-Xylenes	11.843	106	898694	121.078	ug/l	98
69) o-Xylene	12.173	106	418981	60.441	ug/l	95
70) Styrene	12.185	104	719950	59.944	ug/l	97
71) Bromoform	12.349	173	127165	56.075	ug/l #	99
73) Isopropylbenzene	12.467	105	1143622	61.624	ug/l	99
74) N-amyl acetate	12.279	43	257866	55.797	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	205268	54.794	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	141924m	53.360	ug/l	
77) Bromobenzene	12.749	156	246703	55.982	ug/l	95
78) n-propylbenzene	12.808	91	1422419	60.815	ug/l	99
79) 2-Chlorotoluene	12.896	91	789075	57.753	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	963115	61.205	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	65022	56.218	ug/l	91
82) 4-Chlorotoluene	12.990	91	823472	57.684	ug/l	100
83) tert-Butylbenzene	13.208	119	853939	63.830	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	932421	59.280	ug/l	98
85) sec-Butylbenzene	13.390	105	1274295	63.154	ug/l	99
86) p-Isopropyltoluene	13.502	119	1038523	62.775	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	506737	57.081	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	498538	56.392	ug/l	99
89) n-Butylbenzene	13.826	91	1008039	62.901	ug/l	99
90) Hexachloroethane	14.096	117	203142	59.940	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	436269	56.388	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	32376	54.520	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	270144	58.957	ug/l	99
94) Hexachlorobutadiene	15.249	225	151541	60.558	ug/l	99
95) Naphthalene	15.384	128	508351	60.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	237391	58.445	ug/l	99

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

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