

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073421.D
 Acq On : 27 May 2022 20:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2022
 Supervised By :Mahesh Dadoda 05/31/2022

Quant Time: May 28 09:48:14 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	392222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	689557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	644773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	304180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	232863	53.722	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.440%			
35) Dibromofluoromethane	7.909	113	228382	50.192	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.380%			
50) Toluene-d8	10.332	98	904736	53.940	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.880%			
62) 4-Bromofluorobenzene	12.620	95	334342	56.800	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	226470	57.785	ug/l	98
3) Chloromethane	2.209	50	248009	55.963	ug/l	98
4) Vinyl Chloride	2.344	62	236291	58.309	ug/l	97
5) Bromomethane	2.756	94	157526	61.569	ug/l	93
6) Chloroethane	2.915	64	150460	60.397	ug/l	99
7) Trichlorofluoromethane	3.268	101	387880	54.131	ug/l	99
8) Diethyl Ether	3.709	74	123526	62.736	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	222618	52.070	ug/l	96
10) Methyl Iodide	4.291	142	285503	61.895	ug/l	96
11) Tert butyl alcohol	5.215	59	155603	231.375	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	217684	55.226	ug/l	94
13) Acrolein	3.915	56	87224	334.419	ug/l #	14
14) Allyl chloride	4.709	41	380061	59.734	ug/l	92
15) Acrylonitrile	5.409	53	305094	338.856	ug/l	94
16) Acetone	4.150	43	247459	329.594	ug/l	99
17) Carbon Disulfide	4.403	76	683010	52.270	ug/l	100
18) Methyl Acetate	4.715	43	143858	68.906	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	575744	64.115	ug/l #	1
20) Methylene Chloride	4.950	84	279084	59.350	ug/l	89
21) trans-1,2-Dichloroethene	5.468	96	257798	54.092	ug/l	92
22) Diisopropyl ether	6.362	45	783156	58.717	ug/l	93
23) Vinyl Acetate	6.303	43	2189789	307.796	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	460996	53.847	ug/l	99
25) 2-Butanone	7.209	43	364045	331.418	ug/l	94
26) 2,2-Dichloropropane	7.203	77	359510	49.240	ug/l	97
27) cis-1,2-Dichloroethene	7.197	96	292224	55.414	ug/l	92
28) Bromochloromethane	7.538	49	145072	49.186	ug/l #	82
29) Tetrahydrofuran	7.556	42	235864	332.074	ug/l	93
30) Chloroform	7.703	83	583353	65.267	ug/l	100
31) Cyclohexane	7.979	56	1176904	155.371	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	409834	52.427	ug/l	97
36) 1,1-Dichloropropene	8.103	75	348768	50.965	ug/l	95
37) Ethyl Acetate	7.285	43	164467	60.844	ug/l #	95
38) Carbon Tetrachloride	8.091	117	342608	49.389	ug/l	99
39) Methylcyclohexane	9.350	83	1867469	244.862	ug/l	98
40) Benzene	8.344	78	1341961	68.042	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	90612	57.535	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	302899	55.195	ug/l	99
43) Isopropyl Acetate	8.444	43	412572	82.576	ug/l	93
44) Trichloroethene	9.109	130	278666	52.985	ug/l	97
45) 1,2-Dichloropropane	9.379	63	271884	54.739	ug/l	98
46) Dibromomethane	9.467	93	143255	52.514	ug/l	95
47) Bromodichloromethane	9.650	83	427476	61.244	ug/l	94
48) Methyl methacrylate	9.450	41	160619	63.898	ug/l	91
49) 1,4-Dioxane	9.456	88	34111	1210.843	ug/l #	77
51) 4-Methyl-2-Pentanone	10.220	43	820555	316.209	ug/l	94
52) Toluene	10.397	92	698854	56.074	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	330568	52.423	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	383454	50.815	ug/l	91
55) 1,1,2-Trichloroethane	10.785	97	328363	89.015	ug/l	89
56) Ethyl methacrylate	10.650	69	341205	83.192	ug/l	96
57) 1,3-Dichloropropane	10.938	76	341005	55.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	543605	276.465	ug/l	94
59) 2-Hexanone	10.973	43	730482	426.975	ug/l	88
60) Dibromochloromethane	11.132	129	242875	52.802	ug/l	98
61) 1,2-Dibromoethane	11.238	107	199257	56.527	ug/l	94
64) Tetrachloroethene	10.867	164	216000	51.147	ug/l	98
65) Chlorobenzene	11.661	112	701483	53.033	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	254438	51.866	ug/l	99
67) Ethyl Benzene	11.732	91	1775867	76.479	ug/l	99
68) m/p-Xylenes	11.844	106	1258992	139.557	ug/l	99
69) o-Xylene	12.167	106	510656	61.618	ug/l	98
70) Styrene	12.185	104	810824	56.866	ug/l	99
71) Bromoform	12.350	173	138648	54.915	ug/l #	100
73) Isopropylbenzene	12.467	105	1281650	59.104	ug/l	100
74) N-amyl acetate	12.273	43	361229	76.360	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	221858	55.474	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	184390m	61.782	ug/l	
77) Bromobenzene	12.749	156	280210	54.893	ug/l	95
78) n-propylbenzene	12.808	91	1606697	59.019	ug/l	99
79) 2-Chlorotoluene	12.897	91	887367	56.454	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1160451	63.174	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	69026	55.523	ug/l	92
82) 4-Chlorotoluene	12.991	91	893043	54.204	ug/l	100
83) tert-Butylbenzene	13.208	119	859476	55.516	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	1356889	74.773	ug/l	100
85) sec-Butylbenzene	13.385	105	1304111	55.168	ug/l	98
86) p-Isopropyltoluene	13.502	119	1089998	56.566	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	544925	52.961	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	539418	51.935	ug/l	99
89) n-Butylbenzene	13.826	91	1054123	57.413	ug/l	97
90) Hexachloroethane	14.096	117	201867	50.629	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	477442	53.631	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	37537	61.289	ug/l	93
93) 1,2,4-Trichlorobenzene	15.144	180	305003	60.347	ug/l	99
94) Hexachlorobutadiene	15.249	225	150195	52.736	ug/l	98
95) Naphthalene	15.379	128	723204	71.049	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	260620	58.166	ug/l	99

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

