

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073110.D
 Acq On : 18 May 2022 20:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 19 04:47:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	240106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	413927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	211027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	158561	52.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.620%			
35) Dibromofluoromethane	7.908	113	147542	52.632	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.260%			
50) Toluene-d8	10.332	98	517850	50.921	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.620	95	196559	53.363	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	111619	37.176	ug/l	95
3) Chloromethane	2.209	50	122563	39.597	ug/l	93
4) Vinyl Chloride	2.344	62	115187	40.464	ug/l	92
5) Bromomethane	2.761	94	80661	39.894	ug/l	97
6) Chloroethane	2.914	64	73432	41.424	ug/l	93
7) Trichlorofluoromethane	3.267	101	223656	42.934	ug/l	98
8) Diethyl Ether	3.703	74	71345	50.051	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	132037	42.801	ug/l	98
10) Methyl Iodide	4.297	142	130430	37.500	ug/l	98
11) Tert butyl alcohol	5.197	59	81970	176.489	ug/l #	74
12) 1,1-Dichloroethene	4.061	96	121265	43.471	ug/l	89
13) Acrolein	3.920	56	60970	216.887	ug/l	97
14) Allyl chloride	4.708	41	195724	44.285	ug/l	93
15) Acrylonitrile	5.414	53	190296	278.544	ug/l	96
16) Acetone	4.156	43	143022	263.206	ug/l	93
17) Carbon Disulfide	4.403	76	399385	42.747	ug/l	99
18) Methyl Acetate	4.714	43	81930	49.934	ug/l	91
19) Methyl tert-butyl Ether	5.473	73	342284	52.467	ug/l	97
20) Methylene Chloride	4.955	84	189876	48.145	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	150759	45.433	ug/l	91
22) Diisopropyl ether	6.355	45	480391	50.640	ug/l	96
23) Vinyl Acetate	6.297	43	1371565	267.633	ug/l #	94
24) 1,1-Dichloroethane	6.255	63	271099	45.935	ug/l	99
25) 2-Butanone	7.202	43	230268	279.852	ug/l	96
26) 2,2-Dichloropropane	7.202	77	212194	42.468	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	171825	46.956	ug/l	92
28) Bromochloromethane	7.538	49	110986	54.899	ug/l #	83
29) Tetrahydrofuran	7.555	42	158257	298.901	ug/l	94
30) Chloroform	7.702	83	299331	47.402	ug/l	100
31) Cyclohexane	7.979	56	225857	41.758	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	243452	45.000	ug/l	97
36) 1,1-Dichloropropene	8.102	75	202503	44.334	ug/l	95
37) Ethyl Acetate	7.285	43	104033	54.233	ug/l #	94
38) Carbon Tetrachloride	8.091	117	212943	45.568	ug/l	99
39) Methylcyclohexane	9.349	83	238719	44.820	ug/l	96
40) Benzene	8.344	78	622713	47.679	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	54831	50.690	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	193098	50.795	ug/l	95
43) Isopropyl Acetate	8.444	43	197907	55.491	ug/l #	94
44) Trichloroethene	9.108	130	161204	45.633	ug/l	85
45) 1,2-Dichloropropane	9.379	63	165354	48.753	ug/l	99
46) Dibromomethane	9.467	93	96595	51.505	ug/l	95
47) Bromodichloromethane	9.655	83	235237	49.385	ug/l	99
48) Methyl methacrylate	9.449	41	99922	56.483	ug/l	90
49) 1,4-Dioxane	9.455	88	23562	1206.731	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	550397	295.723	ug/l	95
52) Toluene	10.396	92	399784	48.214	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	217664	50.104	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	255224	49.829	ug/l	89
55) 1,1,2-Trichloroethane	10.790	97	134774	52.649	ug/l	99
56) Ethyl methacrylate	10.649	69	167764	57.949	ug/l	86
57) 1,3-Dichloropropane	10.938	76	225465	51.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	409478	264.169	ug/l	97
59) 2-Hexanone	10.973	43	376162	305.949	ug/l	95
60) Dibromochloromethane	11.126	129	169349	53.249	ug/l	99
61) 1,2-Dibromoethane	11.238	107	131785	53.500	ug/l	99
64) Tetrachloroethene	10.867	164	130776	43.124	ug/l	96
65) Chlorobenzene	11.661	112	432075	46.037	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	165680	46.212	ug/l	98
67) Ethyl Benzene	11.732	91	742900	45.460	ug/l	100
68) m/p-Xylenes	11.843	106	590015	93.158	ug/l	100
69) o-Xylene	12.167	106	277219	47.463	ug/l	96
70) Styrene	12.185	104	505225	49.524	ug/l	96
71) Bromoform	12.349	173	98028	51.931	ug/l #	99
73) Isopropylbenzene	12.467	105	706820	44.188	ug/l	99
74) N-amyl acetate	12.279	43	193337	51.720	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	159164	50.473	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	112775m	47.275	ug/l	
77) Bromobenzene	12.749	156	179764	47.101	ug/l	95
78) n-propylbenzene	12.808	91	898182	44.714	ug/l	98
79) 2-Chlorotoluene	12.896	91	530631	45.346	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	618785	45.409	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	49441	49.695	ug/l	91
82) 4-Chlorotoluene	12.990	91	559355	45.165	ug/l	99
83) tert-Butylbenzene	13.208	119	519198	44.981	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	626275	46.194	ug/l	99
85) sec-Butylbenzene	13.384	105	788351	44.995	ug/l	100
86) p-Isopropyltoluene	13.502	119	651211	45.695	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	351699	44.835	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	355639	45.879	ug/l	98
89) n-Butylbenzene	13.826	91	618027	44.593	ug/l	100
90) Hexachloroethane	14.096	117	129342	43.678	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	315937	46.436	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	25463	51.948	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	182427	46.994	ug/l	99
94) Hexachlorobutadiene	15.249	225	95547	44.096	ug/l	97
95) Naphthalene	15.384	128	370559	45.491	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	164365	47.691	ug/l	99

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

