

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042722\
 Data File : VD072712.D
 Acq On : 27 Apr 2022 12:32
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 04/28/2022

Quant Time: Apr 27 14:00:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 13:58:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	294657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	522784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	514768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	243354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	42134	11.888	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	23.780%#		
35) Dibromofluoromethane	7.908	113	36493	9.369	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.740%#		
50) Toluene-d8	10.332	98	124694	9.201	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.400%#		
62) 4-Bromofluorobenzene	12.620	95	49154	9.257	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.520%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	36839	14.971	ug/l	96
3) Chloromethane	2.209	50	43411	18.306	ug/l	99
4) Vinyl Chloride	2.350	62	39175	16.448	ug/l	94
5) Bromomethane	2.762	94	26153	15.123	ug/l	95
6) Chloroethane	2.920	64	23105	14.136	ug/l	95
7) Trichlorofluoromethane	3.279	101	59648	11.897	ug/l	92
8) Diethyl Ether	3.709	74	19834	13.048	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	34289	10.440	ug/l	98
10) Methyl Iodide	4.303	142	32758	12.033	ug/l	98
11) Tert butyl alcohol	5.197	59	28641	143.338	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	31693	12.079	ug/l	93
13) Acrolein	3.920	56	19125	155.306	ug/l	98
14) Allyl chloride	4.709	41	56491	13.238	ug/l	92
15) Acrylonitrile	5.420	53	48811	64.382	ug/l	100
16) Acetone	4.156	43	43484	65.463	ug/l #	83
17) Carbon Disulfide	4.409	76	107890	20.354	ug/l	99
18) Methyl Acetate	4.720	43	24259	12.716	ug/l #	79
19) Methyl tert-butyl Ether	5.473	73	88912	11.613	ug/l	97
20) Methylene Chloride	4.961	84	106666	25.841	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	39237	13.287	ug/l	87
22) Diisopropyl ether	6.361	45	125205	11.801	ug/l #	94
23) Vinyl Acetate	6.303	43	370057	70.935	ug/l	96
24) 1,1-Dichloroethane	6.261	63	72782	11.489	ug/l	97
25) 2-Butanone	7.208	43	63415	68.506	ug/l	92
26) 2,2-Dichloropropane	7.203	77	58324	10.511	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	43431	11.030	ug/l	95
28) Bromochloromethane	7.538	49	30916	11.256	ug/l	87
29) Tetrahydrofuran	7.561	42	38833	68.596	ug/l	97
30) Chloroform	7.708	83	77258	10.957	ug/l	95
31) Cyclohexane	7.985	56	62484	13.296	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	60790	10.255	ug/l	99
36) 1,1-Dichloropropene	8.108	75	52091	11.186	ug/l	98
37) Ethyl Acetate	7.291	43	29373	13.494	ug/l	97
38) Carbon Tetrachloride	8.091	117	52582	9.818	ug/l #	89
39) Methylcyclohexane	9.349	83	56110	10.996	ug/l	91
40) Benzene	8.350	78	154176	11.143	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	15775	13.025	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	56887	13.280	ug/l	100
43) Isopropyl Acetate	8.450	43	53264	12.833	ug/l	95
44) Trichloroethene	9.108	130	42514	10.977	ug/l	94
45) 1,2-Dichloropropane	9.385	63	42123	10.918	ug/l	94
46) Dibromomethane	9.467	93	26048	12.738	ug/l	97
47) Bromodichloromethane	9.655	83	61624	10.626	ug/l	91
48) Methyl methacrylate	9.449	41	27074	13.258	ug/l	96
49) 1,4-Dioxane	9.455	88	5965	244.188	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	141025	63.649	ug/l	100
52) Toluene	10.396	92	96955	10.630	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	58852	11.634	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	67850	11.340	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	35043	11.487	ug/l	90
56) Ethyl methacrylate	10.655	69	37711	10.886	ug/l	95
57) 1,3-Dichloropropane	10.938	76	58874	11.563	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	82412	52.001	ug/l	96
59) 2-Hexanone	10.979	43	92424	61.357	ug/l	98
60) Dibromochloromethane	11.132	129	42243	10.787	ug/l	96
61) 1,2-Dibromoethane	11.238	107	32978	11.994	ug/l	99
64) Tetrachloroethene	10.867	164	31582	9.722	ug/l	93
65) Chlorobenzene	11.661	112	108123	9.761	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	42066	9.541	ug/l	97
67) Ethyl Benzene	11.738	91	174400	9.041	ug/l	100
68) m/p-Xylenes	11.843	106	131053	17.867	ug/l	99
69) o-Xylene	12.167	106	61904	8.742	ug/l	100
70) Styrene	12.185	104	106418	8.563	ug/l	96
71) Bromoform	12.349	173	23480	9.971	ug/l #	98
73) Isopropylbenzene	12.473	105	156280	8.302	ug/l	99
74) N-amyl acetate	12.279	43	47893	11.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	39424	10.708	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	34289m	12.895	ug/l	
77) Bromobenzene	12.749	156	43308	10.103	ug/l	97
78) n-propylbenzene	12.808	91	196233	8.587	ug/l	100
79) 2-Chlorotoluene	12.896	91	120747	9.021	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	135297	8.356	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	12420	11.601	ug/l	91
82) 4-Chlorotoluene	12.990	91	131636	9.389	ug/l	100
83) tert-Butylbenzene	13.208	119	107772	7.739	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	136044	8.557	ug/l	99
85) sec-Butylbenzene	13.390	105	163502	7.826	ug/l	98
86) p-Isopropyltoluene	13.502	119	135817	7.924	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	84342	9.543	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	83952	9.428	ug/l	95
89) n-Butylbenzene	13.826	91	130419	7.979	ug/l	99
90) Hexachloroethane	14.096	117	27755	7.884	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	74507	9.580	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	6703	12.227	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	42407	8.861	ug/l	100
94) Hexachlorobutadiene	15.255	225	20764	7.823	ug/l	96
95) Naphthalene	15.384	128	78402	8.381	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	37572	8.977	ug/l	98

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

