

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032822\
 Data File : VD072458.D
 Acq On : 28 Mar 2022 21:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2022
 Supervised By : Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 01:32:52 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	371556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	621483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	572838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	281282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207144	50.025	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.060%			
35) Dibromofluoromethane	7.909	113	199472	45.610	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.220%			
50) Toluene-d8	10.332	98	707308	44.230	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.460%			
62) 4-Bromofluorobenzene	12.620	95	276464	44.494	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	139445	40.576	ug/l	99
3) Chloromethane	2.209	50	161123	52.761	ug/l	98
4) Vinyl Chloride	2.350	62	160300	54.380	ug/l	99
5) Bromomethane	2.762	94	108953	56.760	ug/l	94
6) Chloroethane	2.921	64	110656	56.777	ug/l	97
7) Trichlorofluoromethane	3.273	101	308388	46.325	ug/l	98
8) Diethyl Ether	3.709	74	98437	53.540	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	195681	46.100	ug/l	97
10) Methyl Iodide	4.303	142	176405	46.549	ug/l	99
11) Tert butyl alcohol	5.220	59	60261	250.996	ug/l	98
12) 1,1-Dichloroethene	4.068	96	166938	48.886	ug/l	95
13) Acrolein	3.921	56	39460	184.190	ug/l	99
14) Allyl chloride	4.715	41	323426	54.170	ug/l	95
15) Acrylonitrile	5.415	53	260483	280.784	ug/l	99
16) Acetone	4.156	43	200297	222.788	ug/l	99
17) Carbon Disulfide	4.409	76	357782	45.075	ug/l	98
18) Methyl Acetate	4.715	43	120914	54.881	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	507033	54.628	ug/l	99
20) Methylene Chloride	4.962	84	239102	54.282	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	191192	50.619	ug/l	96
22) Diisopropyl ether	6.362	45	765960	56.245	ug/l	93
23) Vinyl Acetate	6.303	43	2054668	295.629	ug/l	98
24) 1,1-Dichloroethane	6.262	63	422979	52.665	ug/l	98
25) 2-Butanone	7.209	43	324941	271.075	ug/l	96
26) 2,2-Dichloropropane	7.209	77	337359	46.554	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	251841	52.226	ug/l	96
28) Bromochloromethane	7.544	49	184205	56.971	ug/l	89
29) Tetrahydrofuran	7.556	42	211060	299.436	ug/l	97
30) Chloroform	7.709	83	441282	51.574	ug/l	98
31) Cyclohexane	7.985	56	315786	48.813	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	365975	48.159	ug/l	97
36) 1,1-Dichloropropene	8.109	75	295609	48.182	ug/l	98
37) Ethyl Acetate	7.291	43	147750	54.976	ug/l	97
38) Carbon Tetrachloride	8.091	117	308185	44.190	ug/l	98
39) Methylcyclohexane	9.350	83	324461	46.996	ug/l	98
40) Benzene	8.344	78	866184	49.487	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	92143	58.822	ug/l	93
42) 1,2-Dichloroethane	8.420	62	268363	50.542	ug/l	98
43) Isopropyl Acetate	8.450	43	292594	56.091	ug/l	98
44) Trichloroethene	9.108	130	228709	46.544	ug/l	100
45) 1,2-Dichloropropane	9.385	63	242358	50.488	ug/l	96
46) Dibromomethane	9.467	93	124430	52.695	ug/l	97
47) Bromodichloromethane	9.656	83	340217	49.423	ug/l	97
48) Methyl methacrylate	9.450	41	136229	54.694	ug/l	88
49) 1,4-Dioxane	9.461	88	28792	1016.801	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	772009	281.779	ug/l	95
52) Toluene	10.397	92	559127	48.545	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	309546	49.218	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	365721	50.302	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	178217	49.545	ug/l	97
56) Ethyl methacrylate	10.655	69	228596	54.256	ug/l	91
57) 1,3-Dichloropropane	10.938	76	312444	51.754	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	487372	257.269	ug/l	99
59) 2-Hexanone	10.979	43	515480	272.413	ug/l	97
60) Dibromochloromethane	11.132	129	227307	48.699	ug/l	97
61) 1,2-Dibromoethane	11.238	107	165474	50.909	ug/l	99
64) Tetrachloroethene	10.873	164	181905	45.070	ug/l	94
65) Chlorobenzene	11.661	112	614302	48.372	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	236298	47.053	ug/l	98
67) Ethyl Benzene	11.738	91	1109712	48.925	ug/l	100
68) m/p-Xylenes	11.844	106	843478	97.934	ug/l	99
69) o-Xylene	12.173	106	401372	48.721	ug/l	98
70) Styrene	12.185	104	709721	49.335	ug/l	98
71) Bromoform	12.349	173	126186	47.039	ug/l #	97
73) Isopropylbenzene	12.473	105	1097959	49.257	ug/l	100
74) N-amyl acetate	12.279	43	278121	58.061	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	213302	53.505	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	164390m	52.981	ug/l	
77) Bromobenzene	12.749	156	247423	49.317	ug/l	96
78) n-propylbenzene	12.808	91	1339373	49.469	ug/l	99
79) 2-Chlorotoluene	12.897	91	770085	49.188	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	920345	48.061	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	64379	51.480	ug/l	92
82) 4-Chlorotoluene	12.997	91	792516	48.889	ug/l	99
83) tert-Butylbenzene	13.214	119	801805	47.759	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	904303	47.927	ug/l	99
85) sec-Butylbenzene	13.391	105	1201898	47.672	ug/l	99
86) p-Isopropyltoluene	13.502	119	997285	48.070	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	492554	46.845	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	492415	47.228	ug/l	99
89) n-Butylbenzene	13.832	91	949045	47.993	ug/l	99
90) Hexachloroethane	14.096	117	191693	47.143	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	435069	47.459	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	32875	51.672	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	275228	45.348	ug/l	100
94) Hexachlorobutadiene	15.255	225	147975	41.914	ug/l	99
95) Naphthalene	15.385	128	575978	55.053	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	242025	46.069	ug/l	100

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

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