

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040122\
 Data File : VD072509.D
 Acq On : 01 Apr 2022 18:15
 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 04/04/2022
 Supervised By : Mahesh Dadoda 04/04/2022

Quant Time: Apr 02 02:39:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	349215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	574806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	552432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	288800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	204784	48.476	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.960%		
35) Dibromofluoromethane	7.908	113	215117	48.156	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.320%		
50) Toluene-d8	10.332	98	733143	47.215	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.440%		
62) 4-Bromofluorobenzene	12.620	95	288979	47.653	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	129559	46.747	ug/l	95
3) Chloromethane	2.209	50	131491	51.294	ug/l	98
4) Vinyl Chloride	2.344	62	132342	45.013	ug/l	98
5) Bromomethane	2.762	94	102624	51.952	ug/l	97
6) Chloroethane	2.920	64	97863	51.832	ug/l	100
7) Trichlorofluoromethane	3.273	101	297616	49.474	ug/l	97
8) Diethyl Ether	3.709	74	93617	52.367	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.097	101	191219	47.662	ug/l	97
10) Methyl Iodide	4.297	142	160106	43.349	ug/l	99
11) Tert butyl alcohol	5.214	59	53665	240.555	ug/l #	91
12) 1,1-Dichloroethene	4.067	96	160662	51.222	ug/l	86
13) Acrolein	3.920	56	19268	194.629	ug/l	98
14) Allyl chloride	4.714	41	248104	45.157	ug/l #	89
15) Acrylonitrile	5.414	53	224998	251.666	ug/l	99
16) Acetone	4.156	43	158710	201.481	ug/l #	88
17) Carbon Disulfide	4.409	76	321464	47.517	ug/l	98
18) Methyl Acetate	4.714	43	100226	45.163	ug/l #	89
19) Methyl tert-butyl Ether	5.473	73	475975	51.991	ug/l	98
20) Methylene Chloride	4.961	84	220321	46.982	ug/l #	82
21) trans-1,2-Dichloroethene	5.467	96	192993	50.405	ug/l	85
22) Diisopropyl ether	6.361	45	643762	51.084	ug/l #	93
23) Vinyl Acetate	6.303	43	1688896	249.191	ug/l #	91
24) 1,1-Dichloroethane	6.255	63	385240	50.731	ug/l	99
25) 2-Butanone	7.208	43	256536	235.476	ug/l #	90
26) 2,2-Dichloropropane	7.202	77	305164	45.243	ug/l	95
27) cis-1,2-Dichloroethene	7.202	96	246804	51.824	ug/l	90
28) Bromochloromethane	7.538	49	163724	50.318	ug/l #	75
29) Tetrahydrofuran	7.555	42	172403	262.114	ug/l #	85
30) Chloroform	7.702	83	442605	51.814	ug/l	97
31) Cyclohexane	7.985	56	266151	48.183	ug/l	89
32) 1,1,1-Trichloroethane	7.902	97	371639	51.295	ug/l	96
36) 1,1-Dichloropropene	8.108	75	274176	48.074	ug/l	96
37) Ethyl Acetate	7.285	43	124444	52.576	ug/l #	94
38) Carbon Tetrachloride	8.091	117	316598	51.445	ug/l	97
39) Methylcyclohexane	9.349	83	292667	44.366	ug/l	97
40) Benzene	8.344	78	833310	53.415	ug/l	99

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41) Methacrylonitrile	7.514	41	65081	47.146	ug/l #	75
42) 1,2-Dichloroethane	8.420	62	260111	54.549	ug/l	96
43) Isopropyl Acetate	8.449	43	244209	53.787	ug/l #	91
44) Trichloroethene	9.108	130	233630	52.750	ug/l	95
45) 1,2-Dichloropropane	9.379	63	225705	52.009	ug/l	98
46) Dibromomethane	9.467	93	127247	55.887	ug/l	97
47) Bromodichloromethane	9.655	83	348908	53.341	ug/l	100
48) Methyl methacrylate	9.449	41	108512	49.228	ug/l #	74
49) 1,4-Dioxane	9.455	88	26357	973.150	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	655523	269.076	ug/l	90
52) Toluene	10.396	92	564057	54.425	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	305186	53.541	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	346937	51.480	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	183934	53.287	ug/l	97
56) Ethyl methacrylate	10.655	69	220264	51.852	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	305797	53.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	430844	252.820	ug/l	93
59) 2-Hexanone	10.979	43	439142	265.075	ug/l	91
60) Dibromochloromethane	11.132	129	244172	54.838	ug/l	97
61) 1,2-Dibromoethane	11.238	107	174439	56.918	ug/l	97
64) Tetrachloroethene	10.873	164	179443	49.716	ug/l	97
65) Chlorobenzene	11.661	112	630671	51.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	255060	51.653	ug/l	98
67) Ethyl Benzene	11.738	91	1107200	51.376	ug/l	98
68) m/p-Xylenes	11.843	106	862881	105.537	ug/l	98
69) o-Xylene	12.173	106	416029	52.738	ug/l	95
70) Styrene	12.185	104	741217	53.314	ug/l	97
71) Bromoform	12.349	173	139017	53.106	ug/l #	100
73) Isopropylbenzene	12.473	105	1115841	47.842	ug/l	99
74) N-amyl acetate	12.279	43	238374	48.709	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	216780	49.070	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	160218m	50.866	ug/l	
77) Bromobenzene	12.749	156	263334	50.372	ug/l	89
78) n-propylbenzene	12.808	91	1365285	48.523	ug/l	99
79) 2-Chlorotoluene	12.896	91	801622	48.716	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	972676	48.693	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	58804	45.810	ug/l	93
82) 4-Chlorotoluene	12.996	91	832366	48.570	ug/l	100
83) tert-Butylbenzene	13.214	119	828409	47.904	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	958448	49.067	ug/l	99
85) sec-Butylbenzene	13.390	105	1223676	46.977	ug/l	99
86) p-Isopropyltoluene	13.502	119	1025875	48.183	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	528946	48.829	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	522549	47.862	ug/l	100
89) n-Butylbenzene	13.832	91	966249	47.639	ug/l	99
90) Hexachloroethane	14.096	117	207755	47.665	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	473439	49.552	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	33838	51.791	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	284416	48.025	ug/l	99
94) Hexachlorobutadiene	15.255	225	153096	46.151	ug/l	98
95) Naphthalene	15.384	128	555295	48.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	251428	48.643	ug/l	98

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

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