

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072884.D
 Acq On : 09 May 2022 11:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.01ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 09 16:09:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

05/10/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	359129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	580988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	550186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	267081	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	235226	50.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.920%	
35) Dibromofluoromethane	7.908	113	237143	58.118	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.240%	
50) Toluene-d8	10.332	98	863250	58.979	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 117.960%	
62) 4-Bromofluorobenzene	12.620	95	311020	56.989	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.980%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	215433	43.411	ug/l	99
3) Chloromethane	2.209	50	217516	42.146	ug/l	99
4) Vinyl Chloride	2.350	62	216563	46.763	ug/l	96
5) Bromomethane	2.762	94	141149	49.536	ug/l	98
6) Chloroethane	2.920	64	135200	46.842	ug/l	98
7) Trichlorofluoromethane	3.273	101	370350	45.669	ug/l	94
8) Diethyl Ether	3.709	74	107018	46.031	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	226481	47.042	ug/l	98
10) Methyl Iodide	4.297	142	240701	49.818	ug/l	100
11) Tert butyl alcohol	5.214	59	79369	196.779	ug/l	98
12) 1,1-Dichloroethene	4.067	96	209201	48.310	ug/l	90
13) Acrolein	3.920	56	62039	219.563	ug/l	96
14) Allyl chloride	4.709	41	344912	49.334	ug/l	94
15) Acrylonitrile	5.414	53	254214	230.080	ug/l	99
16) Acetone	4.150	43	250852	289.708	ug/l	94
17) Carbon Disulfide	4.409	76	601531	44.177	ug/l	99
18) Methyl Acetate	4.709	43	117833	46.433	ug/l #	91
19) Methyl tert-butyl Ether	5.479	73	507021	48.840	ug/l	100
20) Methylene Chloride	4.962	84	246926	43.460	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	232997	46.914	ug/l	92
22) Diisopropyl ether	6.356	45	743893	48.369	ug/l	94
23) Vinyl Acetate	6.303	43	2071672	243.843	ug/l #	95
24) 1,1-Dichloroethane	6.261	63	431573	46.706	ug/l	99
25) 2-Butanone	7.203	43	338346	249.096	ug/l	92
26) 2,2-Dichloropropane	7.208	77	380132	48.663	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	268665	47.232	ug/l	94
28) Bromochloromethane	7.544	49	171262	49.702	ug/l	90
29) Tetrahydrofuran	7.555	42	203276	234.789	ug/l	95
30) Chloroform	7.703	83	452928	46.326	ug/l	99
31) Cyclohexane	7.979	56	372390	45.697	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	397717	47.730	ug/l	98
36) 1,1-Dichloropropene	8.108	75	334416	50.404	ug/l	97
37) Ethyl Acetate	7.285	43	142755	46.805	ug/l #	96
38) Carbon Tetrachloride	8.091	117	346375	50.292	ug/l	100
39) Methylcyclohexane	9.350	83	391640	50.890	ug/l	99
40) Benzene	8.344	78	947999	49.478	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	89137	49.082	ug/l	94
42) 1,2-Dichloroethane	8.420	62	277309	48.029	ug/l	97
43) Isopropyl Acetate	8.444	43	280099	49.756	ug/l	95
44) Trichloroethene	9.108	130	255633	49.870	ug/l	99
45) 1,2-Dichloropropane	9.379	63	243999	48.491	ug/l	99
46) Dibromomethane	9.467	93	133112	47.957	ug/l	97
47) Bromodichloromethane	9.655	83	354054	49.585	ug/l #	99
48) Methyl methacrylate	9.450	41	139866	50.786	ug/l	91
49) 1,4-Dioxane	9.450	88	30197	966.115	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	733263	250.666	ug/l	95
52) Toluene	10.397	92	611210	51.139	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	329644	50.261	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	385429	50.582	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	184199	49.090	ug/l	98
56) Ethyl methacrylate	10.649	69	234388	53.053	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	316901	49.215	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	591001	275.911	ug/l	97
59) 2-Hexanone	10.973	43	528611	268.553	ug/l	96
60) Dibromochloromethane	11.132	129	230432	48.783	ug/l	100
61) 1,2-Dibromoethane	11.238	107	176542	48.338	ug/l	100
64) Tetrachloroethene	10.867	164	202277	50.286	ug/l	98
65) Chlorobenzene	11.661	112	636420	50.012	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	239910	50.165	ug/l	99
67) Ethyl Benzene	11.738	91	1159191	52.636	ug/l	98
68) m/p-Xylenes	11.844	106	893009	105.267	ug/l	100
69) o-Xylene	12.173	106	421350	53.182	ug/l	98
70) Styrene	12.185	104	730499	53.216	ug/l	98
71) Bromoform	12.349	173	128665	49.641	ug/l #	100
73) Isopropylbenzene	12.467	105	1123053	54.046	ug/l	100
74) N-amyl acetate	12.279	43	267630	51.718	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	208913	49.805	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	152587m	51.236	ug/l	
77) Bromobenzene	12.749	156	259094	52.508	ug/l	92
78) n-propylbenzene	12.808	91	1404107	53.613	ug/l	99
79) 2-Chlorotoluene	12.896	91	791046	51.707	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	941281	53.422	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	63387	48.945	ug/l	93
82) 4-Chlorotoluene	12.996	91	832952	52.110	ug/l	99
83) tert-Butylbenzene	13.214	119	802803	53.592	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	928481	52.718	ug/l	99
85) sec-Butylbenzene	13.390	105	1206248	53.390	ug/l	100
86) p-Isopropyltoluene	13.502	119	998570	53.907	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	504293	50.732	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	491515	49.653	ug/l	99
89) n-Butylbenzene	13.832	91	958288	53.403	ug/l	98
90) Hexachloroethane	14.096	117	193060	50.875	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	431308	49.786	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	31843	47.889	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	263248	51.310	ug/l	100
94) Hexachlorobutadiene	15.255	225	140570	50.168	ug/l	98
95) Naphthalene	15.384	128	498832	52.882	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	232156	51.046	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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