

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073055.D
 Acq On : 17 May 2022 11:43
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 04:43:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:27:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	298149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	495510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	481066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	235355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	183018	49.085	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.180%		
35) Dibromofluoromethane	7.908	113	176798	50.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.640%		
50) Toluene-d8	10.332	98	655896	51.968	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.940%		
62) 4-Bromofluorobenzene	12.620	95	237028	51.851	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	153562	41.189	ug/l	96
3) Chloromethane	2.209	50	168945	43.956	ug/l	96
4) Vinyl Chloride	2.350	62	160374	45.370	ug/l	97
5) Bromomethane	2.767	94	112722	44.898	ug/l	93
6) Chloroethane	2.920	64	98834	44.900	ug/l	94
7) Trichlorofluoromethane	3.267	101	288284	44.566	ug/l	100
8) Diethyl Ether	3.709	74	85285	48.183	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	170354	44.472	ug/l	97
10) Methyl Iodide	4.297	142	191152	49.402	ug/l	97
11) Tert butyl alcohol	5.209	59	85958	149.046	ug/l #	91
12) 1,1-Dichloroethene	4.067	96	158017	45.618	ug/l	92
13) Acrolein	3.920	56	79337	253.972	ug/l	97
14) Allyl chloride	4.714	41	258015	47.014	ug/l	92
15) Acrylonitrile	5.414	53	211755	249.613	ug/l	95
16) Acetone	4.156	43	158709	235.215	ug/l	90
17) Carbon Disulfide	4.409	76	531418	45.805	ug/l	98
18) Methyl Acetate	4.714	43	89955	42.229	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	401008	49.502	ug/l	99
20) Methylene Chloride	4.961	84	205624	41.988	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	195501	47.447	ug/l	89
22) Diisopropyl ether	6.361	45	585644	49.717	ug/l #	93
23) Vinyl Acetate	6.303	43	1635989	257.083	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	343018	46.806	ug/l	100
25) 2-Butanone	7.203	43	243635	238.453	ug/l	92
26) 2,2-Dichloropropane	7.203	77	285545	46.022	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	217620	47.893	ug/l	92
28) Bromochloromethane	7.538	49	119920	47.770	ug/l	84
29) Tetrahydrofuran	7.555	42	167663	255.019	ug/l	94
30) Chloroform	7.703	83	366192	46.701	ug/l	97
31) Cyclohexane	7.979	56	300052	44.676	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	313684	46.694	ug/l	97
36) 1,1-Dichloropropene	8.108	75	265508	46.837	ug/l	95
37) Ethyl Acetate	7.285	43	118209	49.653	ug/l #	94
38) Carbon Tetrachloride	8.091	117	274347	47.304	ug/l	96
39) Methylcyclohexane	9.349	83	317137	47.977	ug/l	99
40) Benzene	8.344	78	783701	48.350	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	69387	51.687	ug/l	92
42) 1,2-Dichloroethane	8.420	62	229434	48.630	ug/l	96
43) Isopropyl Acetate	8.450	43	219101	49.501	ug/l #	94
44) Trichloroethene	9.108	130	204059	46.544	ug/l	100
45) 1,2-Dichloropropane	9.379	63	201573	47.887	ug/l	96
46) Dibromomethane	9.467	93	111518	47.912	ug/l	97
47) Bromodichloromethane	9.655	83	284342	48.099	ug/l	97
48) Methyl methacrylate	9.449	41	114908	52.338	ug/l	91
49) 1,4-Dioxane	9.455	88	24944	1029.361	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	590213	255.518	ug/l	94
52) Toluene	10.396	92	505679	49.139	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	264896	49.132	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	310905	48.909	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	153698	48.379	ug/l	98
56) Ethyl methacrylate	10.655	69	188199	52.380	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	263283	48.705	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	439365	269.391	ug/l	95
59) 2-Hexanone	10.973	43	395281	259.050	ug/l	94
60) Dibromochloromethane	11.132	129	190721	48.321	ug/l	98
61) 1,2-Dibromoethane	11.238	107	145955	47.743	ug/l	97
64) Tetrachloroethene	10.867	164	166669	47.289	ug/l	94
65) Chlorobenzene	11.661	112	527774	48.385	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	198091	47.541	ug/l	98
67) Ethyl Benzene	11.738	91	955419	50.305	ug/l	100
68) m/p-Xylenes	11.843	106	739640	100.483	ug/l	100
69) o-Xylene	12.167	106	345295	50.868	ug/l	96
70) Styrene	12.185	104	614617	51.839	ug/l	97
71) Bromoform	12.349	173	109629	49.972	ug/l #	99
73) Isopropylbenzene	12.467	105	899093	50.398	ug/l	100
74) N-amyl acetate	12.279	43	218786	52.478	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	175367	49.863	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	129006m	47.914	ug/l	
77) Bromobenzene	12.749	156	213327	50.117	ug/l	95
78) n-propylbenzene	12.808	91	1135384	50.680	ug/l	99
79) 2-Chlorotoluene	12.896	91	654175	50.125	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	769455	50.629	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	56921	51.299	ug/l	90
82) 4-Chlorotoluene	12.990	91	685321	49.616	ug/l	99
83) tert-Butylbenzene	13.208	119	644562	50.070	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	770551	50.961	ug/l	99
85) sec-Butylbenzene	13.390	105	973866	49.838	ug/l	99
86) p-Isopropyltoluene	13.502	119	809663	50.941	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	431511	49.323	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	421622	48.769	ug/l	99
89) n-Butylbenzene	13.826	91	781777	50.577	ug/l	99
90) Hexachloroethane	14.096	117	158280	47.925	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	373621	49.238	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	27021	49.428	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	219969	50.808	ug/l	99
94) Hexachlorobutadiene	15.249	225	115761	47.903	ug/l	97
95) Naphthalene	15.384	128	414650	52.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	195409	50.838	ug/l	99

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

