

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073056.D
 Acq On : 17 May 2022 12:11
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: May 18 04:45:20 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	285863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	474422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	467544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	228168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	372213	104.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 208.240%#			
35) Dibromofluoromethane	7.908	113	354038	106.287	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 212.580%#			
50) Toluene-d8	10.332	98	1340625	110.941	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 221.880%#			
62) 4-Bromofluorobenzene	12.620	95	481500	110.011	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 220.020%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	360370	100.814	ug/l	98
3) Chloromethane	2.209	50	381317	103.475	ug/l	97
4) Vinyl Chloride	2.350	62	366159	108.039	ug/l	98
5) Bromomethane	2.750	94	248420	103.200	ug/l	100
6) Chloroethane	2.915	64	230734	109.326	ug/l	99
7) Trichlorofluoromethane	3.268	101	672382	108.412	ug/l	96
8) Diethyl Ether	3.709	74	194863	114.821	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	397008	108.095	ug/l	97
10) Methyl Iodide	4.291	142	474028	127.776	ug/l	98
11) Tert butyl alcohol	5.214	59	153477	277.557	ug/l #	93
12) 1,1-Dichloroethene	4.062	96	380791	114.655	ug/l	89
13) Acrolein	3.920	56	175388	585.578	ug/l	98
14) Allyl chloride	4.709	41	626071	118.983	ug/l	92
15) Acrylonitrile	5.414	53	447504	550.181	ug/l	97
16) Acetone	4.156	43	328719	508.117	ug/l	93
17) Carbon Disulfide	4.409	76	1229965	110.573	ug/l	98
18) Methyl Acetate	4.714	43	198270	97.077	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	896538	115.429	ug/l	98
20) Methylene Chloride	4.962	84	443089	94.366	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	443059	112.149	ug/l	91
22) Diisopropyl ether	6.361	45	1287268	113.976	ug/l	94
23) Vinyl Acetate	6.303	43	3621678	593.578	ug/l #	95
24) 1,1-Dichloroethane	6.261	63	772152	109.892	ug/l	99
25) 2-Butanone	7.208	43	530298	541.326	ug/l	93
26) 2,2-Dichloropropane	7.203	77	665846	111.929	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	493907	113.369	ug/l	93
28) Bromochloromethane	7.538	49	257437	106.957	ug/l #	83
29) Tetrahydrofuran	7.556	42	361591	573.625	ug/l	94
30) Chloroform	7.703	83	803676	106.898	ug/l	100
31) Cyclohexane	7.979	56	730698	113.473	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	715035	111.013	ug/l	96
36) 1,1-Dichloropropene	8.108	75	625532	115.253	ug/l	96
37) Ethyl Acetate	7.291	43	252644	110.838	ug/l #	95
38) Carbon Tetrachloride	8.091	117	635592	114.463	ug/l	99
39) Methylcyclohexane	9.350	83	802234	126.759	ug/l	97
40) Benzene	8.344	78	1757104	113.222	ug/l	100

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41) Methacrylonitrile	7.514	41	129978	101.125	ug/l #	81
42) 1,2-Dichloroethane	8.420	62	491629	108.835	ug/l	96
43) Isopropyl Acetate	8.444	43	483172	114.013	ug/l #	94
44) Trichloroethene	9.108	130	478085	113.893	ug/l	93
45) 1,2-Dichloropropane	9.379	63	447017	110.917	ug/l	98
46) Dibromomethane	9.467	93	240960	108.126	ug/l	98
47) Bromodichloromethane	9.655	83	615351	108.719	ug/l	100
48) Methyl methacrylate	9.450	41	252466	120.103	ug/l	91
49) 1,4-Dioxane	9.455	88	51850	2234.797	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	1256926	568.342	ug/l	94
52) Toluene	10.397	92	1147180	116.432	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	592341	114.749	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	694649	114.134	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	327785	107.762	ug/l	98
56) Ethyl methacrylate	10.649	69	420098	122.120	ug/l	88
57) 1,3-Dichloropropane	10.938	76	568552	109.852	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	988120	632.782	ug/l	97
59) 2-Hexanone	10.973	43	854625	584.980	ug/l	93
60) Dibromochloromethane	11.132	129	412564	109.172	ug/l	100
61) 1,2-Dibromoethane	11.238	107	326432	111.526	ug/l	100
64) Tetrachloroethene	10.867	164	385252	112.469	ug/l	94
65) Chlorobenzene	11.661	112	1194111	112.639	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	442826	109.350	ug/l	98
67) Ethyl Benzene	11.732	91	2206316	119.528	ug/l	98
68) m/p-Xylenes	11.844	106	1711156	239.191	ug/l	99
69) o-Xylene	12.167	106	810158	122.802	ug/l	94
70) Styrene	12.185	104	1372135	119.078	ug/l	98
71) Bromoform	12.349	173	235465	110.435	ug/l #	99
73) Isopropylbenzene	12.467	105	2146527	124.112	ug/l	100
74) N-amyl acetate	12.279	43	480583	118.904	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	369658	108.417	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	262782m	100.673	ug/l	
77) Bromobenzene	12.749	156	468871	113.623	ug/l	95
78) n-propylbenzene	12.808	91	2644644	121.768	ug/l	99
79) 2-Chlorotoluene	12.896	91	1489429	117.719	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1799093	122.106	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	123147	114.480	ug/l	90
82) 4-Chlorotoluene	12.991	91	1566317	116.971	ug/l	100
83) tert-Butylbenzene	13.208	119	1561801	125.143	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	1757744	119.911	ug/l	98
85) sec-Butylbenzene	13.390	105	2342481	123.654	ug/l	99
86) p-Isopropyltoluene	13.502	119	1927986	125.122	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	946604	111.608	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	915820	109.269	ug/l	98
89) n-Butylbenzene	13.826	91	1871014	124.859	ug/l	99
90) Hexachloroethane	14.096	117	362578	113.243	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	819196	111.359	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	56102	105.857	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	491318	117.057	ug/l	98
94) Hexachlorobutadiene	15.249	225	269126	114.874	ug/l	99
95) Naphthalene	15.385	128	967651	127.271	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	438049	117.554	ug/l	100

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

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