

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073140.D
 Acq On : 19 May 2022 15:01
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 19 15:07:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 14:25:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	379000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	633229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	596214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	273411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	573650	123.951	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 247.900%#			
35) Dibromofluoromethane	7.908	113	580962	132.210	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 264.420%#			
50) Toluene-d8	10.332	98	2276708	142.628	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 285.260%#			
62) 4-Bromofluorobenzene	12.620	95	803482	140.076	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 280.160%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	496449	106.929	ug/l	99
3) Chloromethane	2.209	50	584340	121.878	ug/l	95
4) Vinyl Chloride	2.344	62	535142	121.043	ug/l	99
5) Bromomethane	2.744	94	348954	111.189	ug/l	95
6) Chloroethane	2.903	64	337035	122.270	ug/l	100
7) Trichlorofluoromethane	3.262	101	957118	118.435	ug/l	99
8) Diethyl Ether	3.709	74	285546	129.746	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	561782	117.427	ug/l	97
10) Methyl Iodide	4.297	142	744857	153.655	ug/l	98
11) Tert butyl alcohol	5.220	59	193912	270.598	ug/l	97
12) 1,1-Dichloroethene	4.062	96	556822	128.120	ug/l	88
13) Acrolein	3.920	56	184365	496.784	ug/l	99
14) Allyl chloride	4.709	41	950919	138.310	ug/l	92
15) Acrylonitrile	5.414	53	652544	627.312	ug/l	97
16) Acetone	4.156	43	480522	580.445	ug/l	95
17) Carbon Disulfide	4.403	76	1763993	121.920	ug/l	100
18) Methyl Acetate	4.709	43	300217	113.754	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	1340260	133.696	ug/l	98
20) Methylene Chloride	4.962	84	650450	106.656	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	663362	128.764	ug/l	92
22) Diisopropyl ether	6.361	45	1946532	132.861	ug/l	92
23) Vinyl Acetate	6.297	43	5347264	681.070	ug/l #	95
24) 1,1-Dichloroethane	6.256	63	1159513	126.512	ug/l	99
25) 2-Butanone	7.203	43	761535	605.057	ug/l	91
26) 2,2-Dichloropropane	7.203	77	1006712	129.293	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	750275	132.086	ug/l	92
28) Bromochloromethane	7.544	49	400720	127.287	ug/l	84
29) Tetrahydrofuran	7.555	42	520604	646.818	ug/l	92
30) Chloroform	7.703	83	1208899	123.588	ug/l	99
31) Cyclohexane	7.979	56	1045252	124.362	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	1066255	126.880	ug/l	96
36) 1,1-Dichloropropene	8.108	75	912510	127.767	ug/l	96
37) Ethyl Acetate	7.285	43	366001	124.669	ug/l #	97
38) Carbon Tetrachloride	8.091	117	927258	126.931	ug/l	100
39) Methylcyclohexane	9.350	83	1115675	134.572	ug/l	96
40) Benzene	8.350	78	2642884	130.048	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	218107	134.089	ug/l #	91
42) 1,2-Dichloroethane	8.420	62	717403	122.134	ug/l	96
43) Isopropyl Acetate	8.444	43	709282	129.287	ug/l #	94
44) Trichloroethene	9.108	130	712251	128.877	ug/l	95
45) 1,2-Dichloropropane	9.379	63	664930	126.193	ug/l	97
46) Dibromomethane	9.467	93	352382	121.264	ug/l	98
47) Bromodichloromethane	9.655	83	924462	125.176	ug/l	99
48) Methyl methacrylate	9.450	41	368937	136.591	ug/l	91
49) 1,4-Dioxane	9.455	88	76478	2560.856	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	1826204	641.025	ug/l	94
52) Toluene	10.397	92	1740205	134.469	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	880284	131.265	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	1045724	131.586	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	484540	122.460	ug/l	98
56) Ethyl methacrylate	10.649	69	633847	142.105	ug/l	87
57) 1,3-Dichloropropane	10.938	76	841870	124.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	1432870	720.710	ug/l	96
59) 2-Hexanone	10.973	43	1235747	656.958	ug/l	93
60) Dibromochloromethane	11.132	129	616883	125.389	ug/l	99
61) 1,2-Dibromoethane	11.238	107	476178	125.001	ug/l	99
64) Tetrachloroethene	10.867	164	565059	130.922	ug/l	96
65) Chlorobenzene	11.661	112	1814588	135.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	665736	130.575	ug/l	99
67) Ethyl Benzene	11.738	91	3346182	143.770	ug/l	97
68) m/p-Xylenes	11.844	106	2570588	284.013	ug/l	98
69) o-Xylene	12.167	106	1219234	146.721	ug/l	95
70) Styrene	12.185	104	2071357	143.184	ug/l	98
71) Bromoform	12.349	173	347457	131.157	ug/l #	100
73) Isopropylbenzene	12.467	105	3191742	154.579	ug/l	99
74) N-amyl acetate	12.279	43	702918	148.894	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	535980	134.188	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	392973m	129.769	ug/l	
77) Bromobenzene	12.749	156	711640	145.848	ug/l	93
78) n-propylbenzene	12.808	91	3896246	150.484	ug/l	98
79) 2-Chlorotoluene	12.896	91	2222349	147.878	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	2656693	151.415	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	180191	143.103	ug/l	87
82) 4-Chlorotoluene	12.991	91	2305537	144.811	ug/l	99
83) tert-Butylbenzene	13.208	119	2299341	154.660	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	2610807	150.167	ug/l	99
85) sec-Butylbenzene	13.390	105	3370198	149.230	ug/l	99
86) p-Isopropyltoluene	13.502	119	2791095	152.158	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	1386810	138.295	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	1365528	137.589	ug/l	99
89) n-Butylbenzene	13.826	91	2666054	149.587	ug/l	98
90) Hexachloroethane	14.096	117	547479	143.509	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	1186742	136.405	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	80221	129.578	ug/l	84
93) 1,2,4-Trichlorobenzene	15.143	180	742902	149.762	ug/l	100
94) Hexachlorobutadiene	15.249	225	380493	137.439	ug/l	98
95) Naphthalene	15.379	128	1419756	159.503	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	639416	145.375	ug/l	99

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

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