

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072776.D
 Acq On : 03 May 2022 19:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/04/2022
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: May 04 01:28:14 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

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	304030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	509798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	497507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	244470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198838	50.383	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.760%			
35) Dibromofluoromethane	7.908	113	183828	51.343	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.680%			
50) Toluene-d8	10.332	98	667249	51.954	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.620	95	249175	52.032	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	184336	43.876	ug/l	95
3) Chloromethane	2.209	50	189344	43.336	ug/l	97
4) Vinyl Chloride	2.344	62	175915	44.870	ug/l	100
5) Bromomethane	2.762	94	107446	44.381	ug/l	95
6) Chloroethane	2.915	64	109964	45.003	ug/l	99
7) Trichlorofluoromethane	3.267	101	314681	45.837	ug/l	96
8) Diethyl Ether	3.709	74	100404	51.013	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.085	101	183899	45.120	ug/l	97
10) Methyl Iodide	4.291	142	172192	42.097	ug/l	99
11) Tert butyl alcohol	5.226	59	78935	231.170	ug/l	97
12) 1,1-Dichloroethene	4.062	96	172224	46.978	ug/l	95
13) Acrolein	3.920	56	64970	275.907	ug/l	97
14) Allyl chloride	4.709	41	298728	50.472	ug/l	93
15) Acrylonitrile	5.414	53	259628	277.565	ug/l	96
16) Acetone	4.156	43	194736	264.432	ug/l	90
17) Carbon Disulfide	4.403	76	528741	45.869	ug/l	98
18) Methyl Acetate	4.714	43	113636	52.929	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	484786	55.161	ug/l	99
20) Methylene Chloride	4.962	84	233086	49.287	ug/l	91
21) trans-1,2-Dichloroethene	5.461	96	204407	48.617	ug/l	92
22) Diisopropyl ether	6.361	45	681788	52.364	ug/l	93
23) Vinyl Acetate	6.303	43	2015717	280.254	ug/l	96
24) 1,1-Dichloroethane	6.256	63	379893	48.564	ug/l	100
25) 2-Butanone	7.208	43	315543	274.409	ug/l	96
26) 2,2-Dichloropropane	7.203	77	310419	46.940	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	237682	49.357	ug/l	92
28) Bromochloromethane	7.538	49	146965	50.380	ug/l	87
29) Tetrahydrofuran	7.561	42	212206	289.523	ug/l	93
30) Chloroform	7.703	83	401859	48.551	ug/l	97
31) Cyclohexane	7.979	56	316844	45.927	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	333723	47.308	ug/l	97
36) 1,1-Dichloropropene	8.103	75	280709	48.217	ug/l	96
37) Ethyl Acetate	7.285	43	154652	57.786	ug/l	98
38) Carbon Tetrachloride	8.091	117	296690	49.094	ug/l	97
39) Methylcyclohexane	9.350	83	326066	48.286	ug/l	98
40) Benzene	8.344	78	841760	50.068	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	89150	55.944	ug/l	94
42) 1,2-Dichloroethane	8.414	62	263754	52.060	ug/l	96
43) Isopropyl Acetate	8.444	43	276458	55.967	ug/l #	95
44) Trichloroethene	9.102	130	216641	48.165	ug/l	99
45) 1,2-Dichloropropane	9.379	63	219981	49.823	ug/l	95
46) Dibromomethane	9.467	93	127326	52.279	ug/l	98
47) Bromodichloromethane	9.655	83	314967	50.270	ug/l	99
48) Methyl methacrylate	9.450	41	139037	57.535	ug/l	91
49) 1,4-Dioxane	9.450	88	30199	1101.100	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	757635	295.165	ug/l	96
52) Toluene	10.397	92	536778	51.183	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	303813	52.791	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	351657	52.595	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	172698	52.452	ug/l	95
56) Ethyl methacrylate	10.649	69	230775	59.530	ug/l	87
57) 1,3-Dichloropropane	10.938	76	299569	53.020	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	615253	327.344	ug/l	97
59) 2-Hexanone	10.973	43	520988	301.642	ug/l	96
60) Dibromochloromethane	11.132	129	215798	52.065	ug/l	98
61) 1,2-Dibromoethane	11.238	107	170643	53.248	ug/l	99
64) Tetrachloroethene	10.867	164	170333	46.829	ug/l	96
65) Chlorobenzene	11.661	112	565329	49.129	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	216526	50.069	ug/l	98
67) Ethyl Benzene	11.738	91	1005889	50.511	ug/l	99
68) m/p-Xylenes	11.844	106	782316	101.983	ug/l	99
69) o-Xylene	12.173	106	373272	52.102	ug/l	97
70) Styrene	12.185	104	655062	52.773	ug/l	98
71) Bromoform	12.349	173	127039	54.204	ug/l #	99
73) Isopropylbenzene	12.467	105	961993	50.577	ug/l	100
74) N-amyl acetate	12.279	43	275759	58.218	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	209743	54.628	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	152962m	56.112	ug/l	
77) Bromobenzene	12.749	156	228361	50.560	ug/l	98
78) n-propylbenzene	12.808	91	1205619	50.292	ug/l	100
79) 2-Chlorotoluene	12.896	91	686518	49.025	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	814840	50.523	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	65850	55.550	ug/l	92
82) 4-Chlorotoluene	12.991	91	738697	50.487	ug/l	98
83) tert-Butylbenzene	13.208	119	692676	50.517	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	821355	50.949	ug/l	100
85) sec-Butylbenzene	13.385	105	1051047	50.823	ug/l	100
86) p-Isopropyltoluene	13.502	119	855102	50.432	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	453833	49.879	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	449014	49.555	ug/l	99
89) n-Butylbenzene	13.826	91	832891	50.708	ug/l	99
90) Hexachloroethane	14.096	117	168497	48.509	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	399245	50.348	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	34377	56.482	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	243517	51.854	ug/l	100
94) Hexachlorobutadiene	15.249	225	121803	47.491	ug/l	98
95) Naphthalene	15.379	128	508389	58.880	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	220206	52.896	ug/l	99

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

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