

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072158.D
 Acq On : 11 Mar 2022 18:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

Quant Time: Mar 14 04:01:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 03:10:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	394800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	635063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	589676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	301216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	230478	52.383	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.760%			
35) Dibromofluoromethane	7.908	113	229914	51.447	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.900%			
50) Toluene-d8	10.332	98	831745	50.900	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.626	95	308405	48.573	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	168359	46.105	ug/l	98
3) Chloromethane	2.209	50	168007	51.776	ug/l	94
4) Vinyl Chloride	2.350	62	158896	50.730	ug/l	97
5) Bromomethane	2.768	94	100503	49.276	ug/l	93
6) Chloroethane	2.921	64	107434	51.878	ug/l	99
7) Trichlorofluoromethane	3.273	101	344932	48.764	ug/l	94
8) Diethyl Ether	3.709	74	103959	53.214	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	213554	47.349	ug/l	95
10) Methyl Iodide	4.303	142	205135	50.733	ug/l	98
11) Tert butyl alcohol	5.215	59	60671	237.826	ug/l	99
12) 1,1-Dichloroethene	4.068	96	184244	50.777	ug/l	92
13) Acrolein	3.920	56	49271	216.445	ug/l	99
14) Allyl chloride	4.715	41	333041	52.496	ug/l	93
15) Acrylonitrile	5.420	53	247741	251.326	ug/l	99
16) Acetone	4.156	43	183038	191.605	ug/l	91
17) Carbon Disulfide	4.415	76	437939	51.697	ug/l	99
18) Methyl Acetate	4.709	43	106857	45.645	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	519387	52.664	ug/l	98
20) Methylene Chloride	4.962	84	242976	51.593	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	214875	53.540	ug/l	92
22) Diisopropyl ether	6.362	45	768042	53.077	ug/l	93
23) Vinyl Acetate	6.303	43	2037483	275.897	ug/l	96
24) 1,1-Dichloroethane	6.262	63	433424	50.788	ug/l	99
25) 2-Butanone	7.209	43	298792	234.586	ug/l	95
26) 2,2-Dichloropropane	7.209	77	367613	47.742	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	263987	51.522	ug/l	95
28) Bromochloromethane	7.544	49	184590	53.729	ug/l #	82
29) Tetrahydrofuran	7.561	42	193751	258.696	ug/l	93
30) Chloroform	7.708	83	464926	51.138	ug/l	97
31) Cyclohexane	7.985	56	340296	49.504	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	400792	49.636	ug/l	96
36) 1,1-Dichloropropene	8.108	75	317179	50.592	ug/l	98
37) Ethyl Acetate	7.291	43	139567	50.821	ug/l #	98
38) Carbon Tetrachloride	8.097	117	340903	47.836	ug/l	98
39) Methylcyclohexane	9.350	83	359125	50.904	ug/l	96
40) Benzene	8.350	78	923881	51.654	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	82501	51.541	ug/l #	91
42) 1,2-Dichloroethane	8.420	62	277345	51.117	ug/l	97
43) Isopropyl Acetate	8.450	43	269651	50.588	ug/l	94
44) Trichloroethene	9.108	130	250250	49.839	ug/l	93
45) 1,2-Dichloropropane	9.385	63	247857	50.529	ug/l	96
46) Dibromomethane	9.473	93	125397	51.969	ug/l	93
47) Bromodichloromethane	9.655	83	347839	49.450	ug/l	97
48) Methyl methacrylate	9.450	41	136165	53.499	ug/l	90
49) 1,4-Dioxane	9.455	88	29660	1025.056	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	707961	252.876	ug/l	94
52) Toluene	10.397	92	599581	50.944	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	332028	51.663	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	381782	51.388	ug/l	90
55) 1,1,2-Trichloroethane	10.797	97	181952	49.501	ug/l	99
56) Ethyl methacrylate	10.655	69	226291	52.561	ug/l	90
57) 1,3-Dichloropropane	10.938	76	313379	50.799	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	489030	252.624	ug/l	96
59) 2-Hexanone	10.979	43	469982	243.058	ug/l	95
60) Dibromochloromethane	11.132	129	231470	48.530	ug/l	98
61) 1,2-Dibromoethane	11.238	107	168737	50.802	ug/l	99
64) Tetrachloroethene	10.873	164	206231	49.638	ug/l	97
65) Chlorobenzene	11.661	112	655773	50.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	254832	49.295	ug/l	99
67) Ethyl Benzene	11.738	91	1180776	50.571	ug/l	99
68) m/p-Xylenes	11.844	106	901238	101.652	ug/l	99
69) o-Xylene	12.173	106	432039	50.946	ug/l	98
70) Styrene	12.185	104	758526	51.222	ug/l	98
71) Bromoform	12.349	173	136735	49.516	ug/l #	99
73) Isopropylbenzene	12.473	105	1184319	49.616	ug/l	100
74) N-amyl acetate	12.279	43	264094	51.484	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	202585	47.454	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	158911m	47.826	ug/l	
77) Bromobenzene	12.749	156	270904	50.424	ug/l	91
78) n-propylbenzene	12.814	91	1432530	49.408	ug/l	98
79) 2-Chlorotoluene	12.896	91	838495	50.013	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1014585	49.476	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	64233	47.964	ug/l	91
82) 4-Chlorotoluene	12.996	91	864391	49.794	ug/l	100
83) tert-Butylbenzene	13.214	119	877527	48.810	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	999991	49.491	ug/l	100
85) sec-Butylbenzene	13.391	105	1290517	47.799	ug/l	99
86) p-Isopropyltoluene	13.502	119	1090676	49.093	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	548819	48.742	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	544007	48.723	ug/l	99
89) n-Butylbenzene	13.832	91	1031628	48.716	ug/l	99
90) Hexachloroethane	14.096	117	209439	48.099	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	483733	49.275	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	32256	47.344	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	317209	48.806	ug/l	99
94) Hexachlorobutadiene	15.249	225	169823	44.919	ug/l	98
95) Naphthalene	15.385	128	568223	50.718	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	277081	49.252	ug/l	99

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

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