

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040422\
 Data File : VD072524.D
 Acq On : 04 Apr 2022 17:47
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 05 03:21:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	336157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	551972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	513229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	269788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	195915	48.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.360%		
35) Dibromofluoromethane	7.909	113	213064	49.670	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.340%		
50) Toluene-d8	10.332	98	730171	48.969	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.940%		
62) 4-Bromofluorobenzene	12.626	95	284918	48.927	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	138752	52.009	ug/l	93
3) Chloromethane	2.209	50	136654	55.379	ug/l	97
4) Vinyl Chloride	2.350	62	140651	49.598	ug/l	99
5) Bromomethane	2.768	94	104893	55.163	ug/l	94
6) Chloroethane	2.921	64	100811	55.468	ug/l	95
7) Trichlorofluoromethane	3.273	101	320860	55.409	ug/l	99
8) Diethyl Ether	3.715	74	93882	54.556	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.097	101	203471	52.686	ug/l	95
10) Methyl Iodide	4.303	142	168678	47.092	ug/l	98
11) Tert butyl alcohol	5.220	59	53170	247.594	ug/l	96
12) 1,1-Dichloroethene	4.068	96	165804	54.915	ug/l	89
13) Acrolein	3.932	56	10342	108.524	ug/l	96
14) Allyl chloride	4.715	41	252130	47.610	ug/l #	91
15) Acrylonitrile	5.415	53	230126	267.400	ug/l	96
16) Acetone	4.156	43	193602	255.323	ug/l	97
17) Carbon Disulfide	4.415	76	338833	51.685	ug/l	97
18) Methyl Acetate	4.715	43	96271	45.066	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	476504	54.070	ug/l	97
20) Methylene Chloride	4.962	84	279411	61.897	ug/l	83
21) trans-1,2-Dichloroethene	5.473	96	197663	53.581	ug/l	89
22) Diisopropyl ether	6.362	45	644839	53.157	ug/l #	91
23) Vinyl Acetate	6.303	43	1692606	259.181	ug/l #	93
24) 1,1-Dichloroethane	6.267	63	399576	54.663	ug/l	98
25) 2-Butanone	7.209	43	274217	261.483	ug/l #	85
26) 2,2-Dichloropropane	7.209	77	336260	51.790	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	253769	55.357	ug/l	89
28) Bromochloromethane	7.544	49	155042	49.501	ug/l #	72
29) Tetrahydrofuran	7.561	42	166760	263.384	ug/l #	86
30) Chloroform	7.709	83	454947	55.327	ug/l	98
31) Cyclohexane	7.979	56	281556	52.952	ug/l	89
32) 1,1,1-Trichloroethane	7.903	97	388382	55.688	ug/l	95
36) 1,1-Dichloropropene	8.109	75	286232	52.166	ug/l	96
37) Ethyl Acetate	7.291	43	120620	53.068	ug/l #	95
38) Carbon Tetrachloride	8.097	117	334672	56.632	ug/l	96
39) Methylcyclohexane	9.350	83	319790	50.087	ug/l	97
40) Benzene	8.350	78	856397	57.166	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	71488	53.691	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	255508	55.800	ug/l	97
43) Isopropyl Acetate	8.444	43	237758	54.533	ug/l #	91
44) Trichloroethene	9.108	130	237277	55.789	ug/l	94
45) 1,2-Dichloropropane	9.385	63	229261	55.013	ug/l	99
46) Dibromomethane	9.467	93	124844	57.100	ug/l	96
47) Bromodichloromethane	9.656	83	346791	55.210	ug/l	98
48) Methyl methacrylate	9.450	41	111029	52.453	ug/l #	74
49) 1,4-Dioxane	9.456	88	27386	1052.971	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	652479	278.905	ug/l	91
52) Toluene	10.397	92	579996	58.278	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	309924	56.622	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	357113	55.182	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	190809	57.565	ug/l	98
56) Ethyl methacrylate	10.655	69	213583	52.348	ug/l #	84
57) 1,3-Dichloropropane	10.938	76	304935	55.647	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	380635	232.597	ug/l	93
59) 2-Hexanone	10.979	43	452067	284.166	ug/l	90
60) Dibromochloromethane	11.132	129	245397	57.393	ug/l	97
61) 1,2-Dibromoethane	11.238	107	171845	58.391	ug/l	98
64) Tetrachloroethene	10.867	164	193089	57.583	ug/l	98
65) Chlorobenzene	11.661	112	641016	55.864	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	256532	55.920	ug/l	99
67) Ethyl Benzene	11.738	91	1159133	57.894	ug/l	99
68) m/p-Xylenes	11.844	106	893733	117.661	ug/l	99
69) o-Xylene	12.173	106	426174	58.151	ug/l	96
70) Styrene	12.185	104	756637	58.580	ug/l	97
71) Bromoform	12.349	173	139550	57.382	ug/l #	98
73) Isopropylbenzene	12.473	105	1187578	54.505	ug/l	100
74) N-amyl acetate	12.279	43	233873	51.157	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.720	83	217411	52.681	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	155793m	52.946	ug/l	
77) Bromobenzene	12.749	156	267243	54.722	ug/l	91
78) n-propylbenzene	12.808	91	1435471	54.612	ug/l	98
79) 2-Chlorotoluene	12.897	91	832281	54.144	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1013949	54.337	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	65870	54.931	ug/l	86
82) 4-Chlorotoluene	12.997	91	858635	53.633	ug/l	98
83) tert-Butylbenzene	13.214	119	886170	54.855	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	995266	54.542	ug/l	100
85) sec-Butylbenzene	13.391	105	1309909	53.831	ug/l	99
86) p-Isopropyltoluene	13.502	119	1087853	54.694	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	548442	54.197	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	535160	52.471	ug/l	100
89) n-Butylbenzene	13.832	91	1032087	54.471	ug/l	99
90) Hexachloroethane	14.096	117	208307	51.159	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	480999	53.891	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	33590	55.034	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	298767	54.003	ug/l	98
94) Hexachlorobutadiene	15.249	225	168032	54.223	ug/l	99
95) Naphthalene	15.385	128	561368	52.221	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	259195	53.680	ug/l	99

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

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