

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021422\
 Data File : VD071968.D
 Acq On : 14 Feb 2022 20:24
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 15 00:39:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Semsettin Yesilyurt 02/15/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	320952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	545628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	543589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	275415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	226775	55.902	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.800%			
35) Dibromofluoromethane	7.914	113	203163	56.645	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.300%			
50) Toluene-d8	10.332	98	722498	53.939	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.880%			
62) 4-Bromofluorobenzene	12.626	95	261324	55.867	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	160369	42.136	ug/l	96
3) Chloromethane	2.209	50	205579	45.116	ug/l	96
4) Vinyl Chloride	2.350	62	221075	46.341	ug/l	97
5) Bromomethane	2.774	94	146402	46.511	ug/l	92
6) Chloroethane	2.926	64	148459	49.106	ug/l	98
7) Trichlorofluoromethane	3.279	101	313606	45.870	ug/l	100
8) Diethyl Ether	3.709	74	91049	50.472	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	188114	48.771	ug/l	98
10) Methyl Iodide	4.303	142	196511	49.697	ug/l	97
11) Tert butyl alcohol	5.220	59	49793	197.275	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	164151	46.553	ug/l	96
13) Acrolein	3.926	56	65175	180.884	ug/l	98
14) Allyl chloride	4.721	41	335856	49.969	ug/l	100
15) Acrylonitrile	5.420	53	249512	272.143	ug/l	99
16) Acetone	4.156	43	275753	248.320	ug/l	99
17) Carbon Disulfide	4.415	76	547608	44.539	ug/l	100
18) Methyl Acetate	4.715	43	114709	47.777	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	454394	53.867	ug/l	97
20) Methylene Chloride	4.968	84	216365	53.653	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	207122	50.457	ug/l	92
22) Diisopropyl ether	6.362	45	766171	58.161	ug/l	98
23) Vinyl Acetate	6.309	43	2114659	290.988	ug/l	99
24) 1,1-Dichloroethane	6.267	63	419583	54.646	ug/l	98
25) 2-Butanone	7.209	43	344678	266.250	ug/l	100
26) 2,2-Dichloropropane	7.209	77	323016	50.837	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	236652	53.676	ug/l	99
28) Bromochloromethane	7.550	49	157190	54.277	ug/l	97
29) Tetrahydrofuran	7.562	42	211165	275.680	ug/l	99
30) Chloroform	7.709	83	421017	53.671	ug/l	98
31) Cyclohexane	7.985	56	353725	45.674	ug/l	95
32) 1,1,1-Trichloroethane	7.909	97	351639	50.822	ug/l	97
36) 1,1-Dichloropropene	8.109	75	307497	49.952	ug/l	99
37) Ethyl Acetate	7.291	43	154293	53.911	ug/l	97
38) Carbon Tetrachloride	8.097	117	302131	49.630	ug/l	99
39) Methylcyclohexane	9.356	83	339189	47.554	ug/l	95
40) Benzene	8.350	78	880188	52.970	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	84550	52.219	ug/l	92
42) 1,2-Dichloroethane	8.420	62	283899	54.106	ug/l	100
43) Isopropyl Acetate	8.450	43	279987	54.431	ug/l	99
44) Trichloroethene	9.108	130	218211	50.860	ug/l	98
45) 1,2-Dichloropropane	9.385	63	235543	54.974	ug/l	99
46) Dibromomethane	9.473	93	124640	55.558	ug/l	99
47) Bromodichloromethane	9.656	83	328592	55.382	ug/l	100
48) Methyl methacrylate	9.450	41	145204	53.338	ug/l	96
49) 1,4-Dioxane	9.456	88	24737	966.043	ug/l #	87
51) 4-Methyl-2-Pentanone	10.220	43	764770	284.106	ug/l	99
52) Toluene	10.403	92	563199	54.506	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	296585	54.426	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	342596	53.634	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	167057	56.107	ug/l	96
56) Ethyl methacrylate	10.655	69	210796	57.182	ug/l	98
57) 1,3-Dichloropropane	10.938	76	296269	55.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	485047	279.503	ug/l	98
59) 2-Hexanone	10.979	43	526321	269.389	ug/l	99
60) Dibromochloromethane	11.132	129	204838	55.712	ug/l	100
61) 1,2-Dibromoethane	11.238	107	153876	53.640	ug/l	98
64) Tetrachloroethene	10.873	164	175832	45.729	ug/l	90
65) Chlorobenzene	11.661	112	580473	50.476	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	217165	51.908	ug/l	97
67) Ethyl Benzene	11.738	91	1084436	51.248	ug/l	97
68) m/p-Xylenes	11.844	106	824305	102.415	ug/l	98
69) o-Xylene	12.173	106	380689	52.047	ug/l	100
70) Styrene	12.185	104	676928	53.693	ug/l	99
71) Bromoform	12.350	173	113576	50.845	ug/l #	99
73) Isopropylbenzene	12.473	105	1000421	46.909	ug/l	99
74) N-amyl acetate	12.279	43	262711	50.091	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	186378	47.225	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	133954m	46.151	ug/l	
77) Bromobenzene	12.749	156	223225	47.054	ug/l	99
78) n-propylbenzene	12.808	91	1275587	47.700	ug/l	99
79) 2-Chlorotoluene	12.897	91	724400	47.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	862457	48.756	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	55868	47.326	ug/l	98
82) 4-Chlorotoluene	12.997	91	759000	48.141	ug/l	100
83) tert-Butylbenzene	13.214	119	705242	48.106	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	855702	49.176	ug/l	99
85) sec-Butylbenzene	13.391	105	1087235	47.397	ug/l	99
86) p-Isopropyltoluene	13.508	119	903929	48.494	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	463139	48.077	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	454935	47.319	ug/l	100
89) n-Butylbenzene	13.832	91	870189	47.582	ug/l	99
90) Hexachloroethane	14.096	117	174023	46.968	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	398197	48.302	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30625	46.855	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	226599	47.053	ug/l	100
94) Hexachlorobutadiene	15.255	225	116689	44.437	ug/l	99
95) Naphthalene	15.385	128	422127	44.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	195497	47.360	ug/l	97

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

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