

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091322\
 Data File : VD074261.D
 Acq On : 13 Sep 2022 11:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/14/2022
 Supervised By :Mahesh Dadoda 09/14/2022

Quant Time: Sep 13 13:10:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	109048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	177652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	159864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	76139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58621	52.728	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.460%			
35) Dibromofluoromethane	7.805	113	61231	51.610	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.220%			
50) Toluene-d8	10.263	98	236763	54.368	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.740%			
62) 4-Bromofluorobenzene	12.563	95	73546	48.093	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.180%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.929	85	43068	50.700	ug/l	98
3) Chloromethane	2.140	50	37864	46.449	ug/l	98
4) Vinyl Chloride	2.276	62	37978	54.690	ug/l	94
5) Bromomethane	2.676	94	22373	61.180	ug/l	95
6) Chloroethane	2.823	64	23922	57.850	ug/l	99
7) Trichlorofluoromethane	3.164	101	96661	50.030	ug/l	98
8) Diethyl Ether	3.587	74	32599	52.297	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.952	101	63663	51.214	ug/l	99
10) Methyl Iodide	4.152	142	75613	51.040	ug/l	99
11) Tert butyl alcohol	5.058	59	23376	257.807	ug/l	96
12) 1,1-Dichloroethene	3.928	96	60979	50.817	ug/l	94
13) Acrolein	3.793	56	29655	307.694	ug/l	96
14) Allyl chloride	4.558	41	94060	50.507	ug/l	99
15) Acrylonitrile	5.252	53	78419	269.827	ug/l	99
16) Acetone	4.017	43	64481	280.989	ug/l	100
17) Carbon Disulfide	4.264	76	164571	47.542	ug/l	99
18) Methyl Acetate	4.558	43	37912	49.381	ug/l	98
19) Methyl tert-butyl Ether	5.317	73	153096	52.668	ug/l	98
20) Methylene Chloride	4.799	84	74315	53.615	ug/l	94
21) trans-1,2-Dichloroethene	5.299	96	68838	50.852	ug/l	95
22) Diisopropyl ether	6.211	45	208142	52.667	ug/l	97
23) Vinyl Acetate	6.152	43	533950	286.117	ug/l	97
24) 1,1-Dichloroethane	6.105	63	126501	51.817	ug/l	95
25) 2-Butanone	7.081	43	102641	268.180	ug/l	100
26) 2,2-Dichloropropane	7.069	77	108511	50.875	ug/l	100
27) cis-1,2-Dichloroethene	7.069	96	77410	50.047	ug/l	97
28) Bromochloromethane	7.416	49	41628	55.521	ug/l	99
29) Tetrahydrofuran	7.440	42	63170	267.721	ug/l	98
30) Chloroform	7.593	83	125463	51.778	ug/l	92
31) Cyclohexane	7.869	56	107420	46.754	ug/l	96
32) 1,1,1-Trichloroethane	7.787	97	109979	51.729	ug/l	98
36) 1,1-Dichloropropene	8.005	75	98953	51.461	ug/l	99
37) Ethyl Acetate	7.164	43	44696	53.602	ug/l	98
38) Carbon Tetrachloride	7.981	117	91646	52.679	ug/l	95
39) Methylcyclohexane	9.269	83	116940	49.129	ug/l	99
40) Benzene	8.246	78	274959	51.670	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	24368	52.467	ug/l	90
42) 1,2-Dichloroethane	8.322	62	72863	51.812	ug/l	99
43) Isopropyl Acetate	8.358	43	85261	52.936	ug/l	97
44) Trichloroethene	9.022	130	75007	50.780	ug/l	96
45) 1,2-Dichloropropane	9.299	63	71534	51.723	ug/l	98
46) Dibromomethane	9.387	93	37912	52.798	ug/l	99
47) Bromodichloromethane	9.581	83	96000	53.140	ug/l	100
48) Methyl methacrylate	9.375	41	40348	53.039	ug/l	98
49) 1,4-Dioxane	9.375	88	10098	1187.537	ug/l	95
51) 4-Methyl-2-Pentanone	10.152	43	225673	277.220	ug/l	99
52) Toluene	10.328	92	175505	51.419	ug/l	98
53) t-1,3-Dichloropropene	10.546	75	90452	53.116	ug/l	97
54) cis-1,3-Dichloropropene	10.010	75	110438	52.636	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	52899	53.292	ug/l	95
56) Ethyl methacrylate	10.593	69	70747	53.642	ug/l	98
57) 1,3-Dichloropropane	10.869	76	92661	52.894	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.863	63	54044	220.615	ug/l	98
59) 2-Hexanone	10.916	43	158604	286.911	ug/l	100
60) Dibromochloromethane	11.069	129	64605	53.447	ug/l	99
61) 1,2-Dibromoethane	11.175	107	49459	52.351	ug/l	97
64) Tetrachloroethene	10.805	164	60382	49.400	ug/l	90
65) Chlorobenzene	11.599	112	185793	51.697	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	66982	52.039	ug/l	99
67) Ethyl Benzene	11.675	91	344644	51.338	ug/l	99
68) m/p-Xylenes	11.781	106	263922	103.585	ug/l	100
69) o-Xylene	12.110	106	125809	52.248	ug/l	100
70) Styrene	12.122	104	212569	52.930	ug/l	99
71) Bromoform	12.287	173	39284	54.820	ug/l #	100
73) Isopropylbenzene	12.410	105	336870	52.294	ug/l	99
74) N-amyl acetate	12.222	43	83549	55.074	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.663	83	64928	55.354	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	50898m	65.209	ug/l	
77) Bromobenzene	12.687	156	74012	52.356	ug/l	99
78) n-propylbenzene	12.751	91	411812	52.132	ug/l	100
79) 2-Chlorotoluene	12.840	91	222206	52.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.893	105	272837	51.120	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.457	75	17098	54.009	ug/l #	100
82) 4-Chlorotoluene	12.934	91	229384	52.728	ug/l	99
83) tert-Butylbenzene	13.151	119	248787	53.257	ug/l	98
84) 1,2,4-Trimethylbenzene	13.198	105	271339	52.369	ug/l	100
85) sec-Butylbenzene	13.334	105	364272	51.477	ug/l	100
86) p-Isopropyltoluene	13.446	119	302026	52.254	ug/l	99
87) 1,3-Dichlorobenzene	13.446	146	150176	52.088	ug/l	98
88) 1,4-Dichlorobenzene	13.528	146	146285	51.596	ug/l	99
89) n-Butylbenzene	13.775	91	295750	52.363	ug/l	99
90) Hexachloroethane	14.040	117	56192	53.145	ug/l	99
91) 1,2-Dichlorobenzene	13.816	146	129471	51.636	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.434	75	9373	56.867	ug/l	92
93) 1,2,4-Trichlorobenzene	15.081	180	90262	52.079	ug/l	99
94) Hexachlorobutadiene	15.187	225	50178	50.663	ug/l	99
95) Naphthalene	15.316	128	178421	55.093	ug/l	99
96) 1,2,3-Trichlorobenzene	15.504	180	78476	52.743	ug/l	99

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

