

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091222\
 Data File : VD074259.D
 Acq On : 12 Sep 2022 18:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

Quant Time: Sep 13 04:43:26 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	108101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	177266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	159358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	78893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	56690	51.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.880%			
35) Dibromofluoromethane	7.799	113	59974	50.596	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.200%			
50) Toluene-d8	10.263	98	228690	52.629	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.260%			
62) 4-Bromofluorobenzene	12.563	95	72800	47.645	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	40987	48.535	ug/l	97
3) Chloromethane	2.140	50	37431	46.320	ug/l	96
4) Vinyl Chloride	2.269	62	35212	51.151	ug/l	100
5) Bromomethane	2.669	94	15855	43.736	ug/l	98
6) Chloroethane	2.816	64	22772	55.551	ug/l	100
7) Trichlorofluoromethane	3.158	101	69889	36.490	ug/l	96
8) Diethyl Ether	3.587	74	32375	52.392	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.946	101	59911	48.618	ug/l	99
10) Methyl Iodide	4.146	142	66768	45.464	ug/l	99
11) Tert butyl alcohol	5.069	59	22818	253.858	ug/l	98
12) 1,1-Dichloroethene	3.922	96	58055	48.804	ug/l	97
13) Acrolein	3.787	56	21841	228.603	ug/l	99
14) Allyl chloride	4.546	41	87752	47.533	ug/l	98
15) Acrylonitrile	5.252	53	77956	270.584	ug/l	99
16) Acetone	4.022	43	61078	268.491	ug/l	97
17) Carbon Disulfide	4.246	76	161218	46.981	ug/l	99
18) Methyl Acetate	4.558	43	37877	49.767	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	152359	52.873	ug/l	96
20) Methylene Chloride	4.793	84	84131	62.210	ug/l	96
21) trans-1,2-Dichloroethene	5.293	96	67052	49.967	ug/l	96
22) Diisopropyl ether	6.210	45	206296	52.657	ug/l	99
23) Vinyl Acetate	6.146	43	534664	289.010	ug/l	99
24) 1,1-Dichloroethane	6.099	63	124595	51.483	ug/l	96
25) 2-Butanone	7.081	43	98034	258.387	ug/l	97
26) 2,2-Dichloropropane	7.069	77	101757	48.126	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	78457	51.168	ug/l	98
28) Bromochloromethane	7.416	49	40108	53.963	ug/l	98
29) Tetrahydrofuran	7.440	42	64350	275.111	ug/l	99
30) Chloroform	7.587	83	126464	52.649	ug/l	87
31) Cyclohexane	7.869	56	104720	45.978	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	108035	51.260	ug/l	99
36) 1,1-Dichloropropene	7.999	75	95344	49.693	ug/l	100
37) Ethyl Acetate	7.169	43	45562	54.759	ug/l	99
38) Carbon Tetrachloride	7.981	117	91763	52.861	ug/l	96
39) Methylcyclohexane	9.263	83	115643	48.690	ug/l	97
40) Benzene	8.246	78	270596	50.961	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	26290	56.728	ug/l	95
42) 1,2-Dichloroethane	8.322	62	74021	52.750	ug/l	99
43) Isopropyl Acetate	8.357	43	85651	53.294	ug/l	99
44) Trichloroethene	9.022	130	73983	50.196	ug/l	93
45) 1,2-Dichloropropane	9.299	63	71454	51.777	ug/l	98
46) Dibromomethane	9.387	93	37124	51.813	ug/l	100
47) Bromodichloromethane	9.575	83	96482	53.523	ug/l	93
48) Methyl methacrylate	9.375	41	41027	54.049	ug/l	99
49) 1,4-Dioxane	9.375	88	10401	1225.834	ug/l	97
51) 4-Methyl-2-Pentanone	10.151	43	226193	278.463	ug/l	99
52) Toluene	10.328	92	173678	50.994	ug/l	99
53) t-1,3-Dichloropropene	10.545	75	92427	54.394	ug/l	99
54) cis-1,3-Dichloropropene	10.010	75	109748	52.421	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	53118	53.629	ug/l	96
56) Ethyl methacrylate	10.593	69	72734	55.269	ug/l	99
57) 1,3-Dichloropropane	10.869	76	92579	52.962	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.863	63	57752	236.944	ug/l	100
59) 2-Hexanone	10.916	43	155428	281.778	ug/l	100
60) Dibromochloromethane	11.063	129	65234	54.085	ug/l	99
61) 1,2-Dibromoethane	11.169	107	50892	53.985	ug/l	99
64) Tetrachloroethene	10.798	164	58739	48.208	ug/l	91
65) Chlorobenzene	11.598	112	185132	51.677	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.669	131	67947	52.956	ug/l	100
67) Ethyl Benzene	11.675	91	345772	51.670	ug/l	99
68) m/p-Xylenes	11.781	106	263614	103.792	ug/l	99
69) o-Xylene	12.110	106	124347	51.805	ug/l	97
70) Styrene	12.122	104	213666	53.372	ug/l	100
71) Bromoform	12.287	173	39757	55.656	ug/l #	99
73) Isopropylbenzene	12.410	105	334218	50.071	ug/l	100
74) N-amyl acetate	12.222	43	84238	53.590	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.657	83	63650	52.370	ug/l	100
76) 1,2,3-Trichloropropane	12.710	75	40234m	49.747	ug/l	
77) Bromobenzene	12.687	156	75819	51.762	ug/l	97
78) n-propylbenzene	12.751	91	410048	50.097	ug/l	99
79) 2-Chlorotoluene	12.834	91	220702	49.847	ug/l	100
80) 1,3,5-Trimethylbenzene	12.892	105	272901	49.347	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.457	75	17552	53.508	ug/l #	100
82) 4-Chlorotoluene	12.934	91	224488	49.801	ug/l	98
83) tert-Butylbenzene	13.151	119	239465	49.472	ug/l	99
84) 1,2,4-Trimethylbenzene	13.198	105	270837	50.448	ug/l	100
85) sec-Butylbenzene	13.328	105	363644	49.594	ug/l	99
86) p-Isopropyltoluene	13.445	119	305358	50.986	ug/l	99
87) 1,3-Dichlorobenzene	13.445	146	150598	50.411	ug/l	98
88) 1,4-Dichlorobenzene	13.522	146	148218	50.453	ug/l	99
89) n-Butylbenzene	13.769	91	298505	51.006	ug/l	99
90) Hexachloroethane	14.039	117	56655	51.712	ug/l	99
91) 1,2-Dichlorobenzene	13.816	146	131337	50.552	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.428	75	9424	55.181	ug/l	95
93) 1,2,4-Trichlorobenzene	15.081	180	91146	50.754	ug/l	99
94) Hexachlorobutadiene	15.186	225	51997	50.667	ug/l	98
95) Naphthalene	15.310	128	181623	54.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.504	180	80819	52.422	ug/l	99

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

