

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074982.D
 Acq On : 17 Nov 2022 20:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 17 22:37:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	123591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	210199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	193047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	92102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	43722	53.676	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.360%			
35) Dibromofluoromethane	7.810	113	56841	43.868	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.740%			
50) Toluene-d8	10.269	98	205493	48.145	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.300%			
62) 4-Bromofluorobenzene	12.575	95	66718	50.906	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	40531	49.009	ug/l	98
3) Chloromethane	2.152	50	67434	52.224	ug/l	92
4) Vinyl Chloride	2.287	62	83327	48.083	ug/l	100
5) Bromomethane	2.693	94	68509	52.696	ug/l	96
6) Chloroethane	2.840	64	63768	50.108	ug/l	98
7) Trichlorofluoromethane	3.181	101	104019	52.680	ug/l	94
8) Diethyl Ether	3.599	74	30360	53.628	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	68585	54.431	ug/l	98
10) Methyl Iodide	4.169	142	78930	52.418	ug/l	99
11) Tert butyl alcohol	5.058	59	14283	238.885	ug/l #	89
12) 1,1-Dichloroethene	3.946	96	65688	53.519	ug/l	95
13) Acrolein	3.799	56	9675	285.254	ug/l	99
14) Allyl chloride	4.563	41	67591	51.485	ug/l	97
15) Acrylonitrile	5.258	53	62633	283.107	ug/l	98
16) Acetone	4.028	43	45904	224.989	ug/l	99
17) Carbon Disulfide	4.275	76	169520	48.551	ug/l	99
18) Methyl Acetate	4.563	43	28730	54.119	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	134061	54.557	ug/l	98
20) Methylene Chloride	4.805	84	83305	47.404	ug/l	93
21) trans-1,2-Dichloroethene	5.316	96	74698	53.669	ug/l	95
22) Diisopropyl ether	6.222	45	162220	55.438	ug/l	96
23) Vinyl Acetate	6.158	43	277510m	220.964	ug/l	
24) 1,1-Dichloroethane	6.122	63	117506	53.773	ug/l	98
25) 2-Butanone	7.087	43	57809	216.674	ug/l	97
26) 2,2-Dichloropropane	7.081	77	88111	42.906	ug/l	97
27) cis-1,2-Dichloroethene	7.087	96	72049	46.661	ug/l	98
28) Bromochloromethane	7.428	49	34534	48.985	ug/l	97
29) Tetrahydrofuran	7.446	42	35074	237.498	ug/l	98
30) Chloroform	7.599	83	113290	47.339	ug/l	100
31) Cyclohexane	7.881	56	77933	43.252	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	96608	46.841	ug/l	97
36) 1,1-Dichloropropene	8.016	75	81514	42.805	ug/l	99
37) Ethyl Acetate	7.169	43	26879	42.064	ug/l	96
38) Carbon Tetrachloride	7.999	117	75411	42.070	ug/l	95
39) Methylcyclohexane	9.275	83	95796	46.957	ug/l	96
40) Benzene	8.252	78	247884	45.269	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	17245	50.884	ug/l #	84
42) 1,2-Dichloroethane	8.328	62	59732	45.581	ug/l	100
43) Isopropyl Acetate	8.363	43	49530	44.009	ug/l	99
44) Trichloroethene	9.028	130	70849	48.975	ug/l	96
45) 1,2-Dichloropropane	9.310	63	59173	48.094	ug/l	97
46) Dibromomethane	9.399	93	34031	49.389	ug/l	94
47) Bromodichloromethane	9.587	83	86427	50.540	ug/l	99
48) Methyl methacrylate	9.381	41	21963	44.054	ug/l	94
49) 1,4-Dioxane	9.387	88	6643	982.509	ug/l #	93
51) 4-Methyl-2-Pentanone	10.163	43	133809	249.394	ug/l	98
52) Toluene	10.334	92	168231	51.384	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	73145	48.420	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	90528	48.866	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	49096	51.243	ug/l	97
56) Ethyl methacrylate	10.598	69	53783	46.644	ug/l	97
57) 1,3-Dichloropropane	10.881	76	77296	50.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	83280	209.133	ug/l	99
59) 2-Hexanone	10.922	43	88665	237.054	ug/l	99
60) Dibromochloromethane	11.075	129	58490	51.462	ug/l	99
61) 1,2-Dibromoethane	11.187	107	44833	50.035	ug/l	99
64) Tetrachloroethene	10.810	164	60903	47.053	ug/l	96
65) Chlorobenzene	11.610	112	180083	47.685	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.687	131	63568	48.042	ug/l	97
67) Ethyl Benzene	11.687	91	322290	48.985	ug/l	98
68) m/p-Xylenes	11.798	106	256316	97.709	ug/l	98
69) o-Xylene	12.122	106	119490	49.510	ug/l	96
70) Styrene	12.140	104	206772	49.980	ug/l	98
71) Bromoform	12.304	173	33596	49.059	ug/l #	96
73) Isopropylbenzene	12.422	105	318177	50.191	ug/l	100
74) N-amyl acetate	12.234	43	47707	45.740	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	53090	47.345	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	31808m	41.291	ug/l	
77) Bromobenzene	12.704	156	71481	48.184	ug/l	94
78) n-propylbenzene	12.769	91	391236	50.207	ug/l	98
79) 2-Chlorotoluene	12.851	91	205774	49.009	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	262913	49.774	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	13203	42.163	ug/l	96
82) 4-Chlorotoluene	12.951	91	213769	48.891	ug/l	100
83) tert-Butylbenzene	13.169	119	228147	49.778	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	264361	50.604	ug/l	99
85) sec-Butylbenzene	13.345	105	352667	50.586	ug/l	99
86) p-Isopropyltoluene	13.463	119	295458	50.967	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	149943	48.589	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	144992	47.340	ug/l	99
89) n-Butylbenzene	13.792	91	273354	50.790	ug/l	98
90) Hexachloroethane	14.057	117	50809	48.937	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	129047	49.175	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7320	47.347	ug/l	89
93) 1,2,4-Trichlorobenzene	15.104	180	77962	48.806	ug/l	99
94) Hexachlorobutadiene	15.204	225	39933	48.464	ug/l	98
95) Naphthalene	15.334	128	145909	49.213	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	67634	48.961	ug/l	100

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

