

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074886.D
 Acq On : 11 Nov 2022 12:47
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 14 00:29:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:27:22 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 11/14/2022
 Supervised By :Mahesh Dadoda 11/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	175100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	253276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	233496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	109721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	110742	81.372	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 162.740%			
35) Dibromofluoromethane	7.805	113	154438	98.918	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.840%#			
50) Toluene-d8	10.269	98	496712	96.582	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 193.160%#			
62) 4-Bromofluorobenzene	12.575	95	158185	100.167	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 200.340%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	115488	88.292	ug/l	97
3) Chloromethane	2.146	50	179934	87.238	ug/l	95
4) Vinyl Chloride	2.281	62	235216	95.802	ug/l	97
5) Bromomethane	2.675	94	180675	89.978	ug/l	100
6) Chloroethane	2.828	64	172365	95.600	ug/l	96
7) Trichlorofluoromethane	3.170	101	268758	96.072	ug/l	98
8) Diethyl Ether	3.593	74	83011	103.496	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.958	101	173231	97.038	ug/l	98
10) Methyl Iodide	4.164	142	223556	121.722	ug/l	99
11) Tert butyl alcohol	5.064	59	39191	397.665	ug/l #	90
12) 1,1-Dichloroethene	3.940	96	176435	101.463	ug/l	93
13) Acrolein	3.799	56	23155	409.355	ug/l	100
14) Allyl chloride	4.564	41	190378	102.354	ug/l	99
15) Acrylonitrile	5.258	53	161406	514.954	ug/l	100
16) Acetone	4.022	43	139735	483.412	ug/l	98
17) Carbon Disulfide	4.264	76	482125	97.463	ug/l	99
18) Methyl Acetate	4.564	43	74196	87.216	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	365887	105.098	ug/l	98
20) Methylene Chloride	4.799	84	217710	56.548	ug/l	89
21) trans-1,2-Dichloroethene	5.311	96	198813	100.823	ug/l	93
22) Diisopropyl ether	6.222	45	430935	103.948	ug/l	98
23) Vinyl Acetate	6.158	43	1000036	597.989	ug/l	99
24) 1,1-Dichloroethane	6.111	63	302916	97.842	ug/l	97
25) 2-Butanone	7.081	43	181981	481.435	ug/l	98
26) 2,2-Dichloropropane	7.075	77	278841	95.839	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	222108	101.529	ug/l	100
28) Bromochloromethane	7.422	49	94648	94.761	ug/l	96
29) Tetrahydrofuran	7.446	42	110146	526.433	ug/l	98
30) Chloroform	7.599	83	332067	97.939	ug/l	97
31) Cyclohexane	7.875	56	245020	95.982	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	293465	100.431	ug/l	98
36) 1,1-Dichloropropene	8.010	75	246945	107.622	ug/l	99
37) Ethyl Acetate	7.169	43	83443	108.375	ug/l	99
38) Carbon Tetrachloride	7.993	117	235615	109.088	ug/l	95
39) Methylcyclohexane	9.275	83	274900	111.832	ug/l	97
40) Benzene	8.252	78	657114	99.594	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	44867	111.620	ug/l #	94
42) 1,2-Dichloroethane	8.328	62	150314	95.196	ug/l	100
43) Isopropyl Acetate	8.357	43	140412	103.541	ug/l	98
44) Trichloroethene	9.028	130	179315	102.870	ug/l	98
45) 1,2-Dichloropropane	9.304	63	153445	103.505	ug/l	96
46) Dibromomethane	9.393	93	88258	106.304	ug/l	92
47) Bromodichloromethane	9.587	83	216421	105.033	ug/l	96
48) Methyl methacrylate	9.381	41	66669	110.981	ug/l	94
49) 1,4-Dioxane	9.387	88	17247	2117.008	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	362672	560.986	ug/l	98
52) Toluene	10.334	92	428845	108.708	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	205201	112.734	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	246928	110.618	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	122524	106.133	ug/l	99
56) Ethyl methacrylate	10.599	69	147259	117.999	ug/l	96
57) 1,3-Dichloropropane	10.881	76	200183	107.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	258124	600.310	ug/l	97
59) 2-Hexanone	10.922	43	253161	561.732	ug/l	98
60) Dibromochloromethane	11.075	129	149127	108.891	ug/l	98
61) 1,2-Dibromoethane	11.181	107	114542	106.090	ug/l	98
64) Tetrachloroethene	10.810	164	151645	96.864	ug/l	95
65) Chlorobenzene	11.610	112	448433	98.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	161228	100.741	ug/l	97
67) Ethyl Benzene	11.681	91	837096	105.190	ug/l	97
68) m/p-Xylenes	11.793	106	667619	210.412	ug/l	98
69) o-Xylene	12.122	106	309985	106.190	ug/l	96
70) Styrene	12.134	104	529276	105.772	ug/l	99
71) Bromoform	12.298	173	84122	101.561	ug/l #	97
73) Isopropylbenzene	12.422	105	810636	107.340	ug/l	100
74) N-amyl acetate	12.234	43	133518	107.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	134955	101.025	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	88983m	100.345	ug/l	
77) Bromobenzene	12.698	156	180741	102.270	ug/l	94
78) n-propylbenzene	12.763	91	972583	104.770	ug/l	100
79) 2-Chlorotoluene	12.851	91	518767	103.714	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	661323	105.096	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	38292	102.646	ug/l	95
82) 4-Chlorotoluene	12.945	91	535309	102.770	ug/l	98
83) tert-Butylbenzene	13.169	119	583784	106.919	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	668010	107.336	ug/l	100
85) sec-Butylbenzene	13.345	105	878283	105.750	ug/l	100
86) p-Isopropyltoluene	13.457	119	750434	108.664	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	381585	103.796	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	360338	98.757	ug/l	99
89) n-Butylbenzene	13.787	91	683902	106.665	ug/l	99
90) Hexachloroethane	14.051	117	128038	103.517	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	317684	101.618	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	18935	102.809	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	200455	105.338	ug/l	98
94) Hexachlorobutadiene	15.204	225	102432	104.353	ug/l	97
95) Naphthalene	15.334	128	385421	109.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	171114	103.980	ug/l	97

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

