

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122222\
 Data File : VD075043.D
 Acq On : 22 Dec 2022 11:52
 Operator : KP/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 22 14:13:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 22 14:10:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	161217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	283312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	244539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	104314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	31526	19.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.940%#
35) Dibromofluoromethane	7.805	113	34370	20.721	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.440%#
50) Toluene-d8	10.269	98	137964	20.195	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	40.400%#
62) 4-Bromofluorobenzene	12.575	95	44606	20.173	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	40.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	20424	24.080	ug/l	94
3) Chloromethane	2.146	50	35527	23.399	ug/l	95
4) Vinyl Chloride	2.275	62	31119	24.879	ug/l	96
5) Bromomethane	2.675	94	14266	22.909	ug/l	96
6) Chloroethane	2.828	64	18192	23.574	ug/l	96
7) Trichlorofluoromethane	3.169	101	43460	21.659	ug/l	96
8) Diethyl Ether	3.587	74	16092	20.306	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.964	101	29038	20.183	ug/l	96
10) Methyl Iodide	4.158	142	25242	22.173	ug/l	98
11) Tert butyl alcohol	5.058	59	15257	102.761	ug/l	98
12) 1,1-Dichloroethene	3.928	96	30732	21.668	ug/l	94
13) Acrolein	3.793	56	21480	105.690	ug/l	97
14) Allyl chloride	4.558	41	50578	20.437	ug/l #	91
15) Acrylonitrile	5.252	53	40611	98.768	ug/l	100
16) Acetone	4.022	43	35014	86.685	ug/l	99
17) Carbon Disulfide	4.264	76	74300	25.340	ug/l #	95
18) Methyl Acetate	4.558	43	24265	20.726	ug/l #	86
19) Methyl tert-butyl Ether	5.311	73	73984	19.475	ug/l	94
20) Methylene Chloride	4.799	84	45338	17.804	ug/l #	78
21) trans-1,2-Dichloroethene	5.305	96	33774	21.596	ug/l	89
22) Diisopropyl ether	6.216	45	104306	19.517	ug/l #	91
23) Vinyl Acetate	6.158	43	217522	86.012	ug/l	93
24) 1,1-Dichloroethane	6.110	63	62274	20.191	ug/l	99
25) 2-Butanone	7.081	43	52828	94.237	ug/l #	84
26) 2,2-Dichloropropane	7.075	77	55972	20.024	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	39556	19.689	ug/l	87
28) Bromochloromethane	7.422	49	22602	20.756	ug/l #	74
29) Tetrahydrofuran	7.446	42	31831	97.256	ug/l #	83
30) Chloroform	7.599	83	60318	19.710	ug/l	97
31) Cyclohexane	7.875	56	56244	21.425	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	53706	20.823	ug/l	95
36) 1,1-Dichloropropene	8.010	75	46633	21.632	ug/l	98
37) Ethyl Acetate	7.169	43	22327	20.950	ug/l	97
38) Carbon Tetrachloride	7.993	117	39466	21.267	ug/l	91
39) Methylcyclohexane	9.269	83	58719	22.236	ug/l	92
40) Benzene	8.252	78	138919	20.897	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	13190	19.587	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	35035	20.924	ug/l	98
43) Isopropyl Acetate	8.363	43	44250	19.970	ug/l	92
44) Trichloroethene	9.022	130	38024	21.221	ug/l	95
45) 1,2-Dichloropropane	9.304	63	35764	19.913	ug/l	99
46) Dibromomethane	9.393	93	17947	20.456	ug/l	99
47) Bromodichloromethane	9.587	83	45742	19.895	ug/l	97
48) Methyl methacrylate	9.381	41	20897	20.593	ug/l #	83
49) 1,4-Dioxane	9.381	88	4491	391.120	ug/l #	80
51) 4-Methyl-2-Pentanone	10.157	43	109512	98.891	ug/l	91
52) Toluene	10.334	92	86273	20.363	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	44872	19.625	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	55643	20.215	ug/l #	83
55) 1,1,2-Trichloroethane	10.734	97	25918	19.885	ug/l	98
56) Ethyl methacrylate	10.598	69	34150	19.150	ug/l #	80
57) 1,3-Dichloropropane	10.881	76	43795	19.811	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	71216	100.880	ug/l	93
59) 2-Hexanone	10.922	43	78003	97.270	ug/l	92
60) Dibromochloromethane	11.075	129	29625	19.910	ug/l	99
61) 1,2-Dibromoethane	11.181	107	24587	20.826	ug/l	94
64) Tetrachloroethene	10.810	164	29928	20.764	ug/l	94
65) Chlorobenzene	11.610	112	92583	20.607	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	31217	20.080	ug/l	98
67) Ethyl Benzene	11.687	91	171435	20.910	ug/l	100
68) m/p-Xylenes	11.793	106	129050	41.494	ug/l	100
69) o-Xylene	12.122	106	61468	20.161	ug/l	98
70) Styrene	12.134	104	103442	20.356	ug/l	97
71) Bromoform	12.298	173	16944	20.288	ug/l #	99
73) Isopropylbenzene	12.422	105	162970	20.244	ug/l	99
74) N-amyl acetate	12.234	43	40725	19.776	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	28609	19.162	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	21340m	19.364	ug/l	
77) Bromobenzene	12.698	156	34305	20.094	ug/l	92
78) n-propylbenzene	12.763	91	198085	20.074	ug/l	99
79) 2-Chlorotoluene	12.851	91	107249	19.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	129708	19.971	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	8986	18.934	ug/l	94
82) 4-Chlorotoluene	12.945	91	110627	19.730	ug/l	95
83) tert-Butylbenzene	13.169	119	115621	20.127	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	126345	19.969	ug/l	100
85) sec-Butylbenzene	13.345	105	177185	20.173	ug/l	100
86) p-Isopropyltoluene	13.463	119	139150	19.955	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	67041	20.104	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	67549	20.229	ug/l	96
89) n-Butylbenzene	13.787	91	141349	20.229	ug/l	99
90) Hexachloroethane	14.057	117	25013	20.211	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	59811	20.204	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4098	19.347	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	36807	19.452	ug/l	97
94) Hexachlorobutadiene	15.204	225	18636	19.619	ug/l	97
95) Naphthalene	15.334	128	80257	19.877	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	32511	19.790	ug/l	98

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

