

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021423\
 Data File : VD075333.D
 Acq On : 14 Feb 2023 09:56
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 15 04:18:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	47235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	75850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	71860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	36275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	28091	50.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.440%
35) Dibromofluoromethane	7.810	113	28668	53.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.800%
50) Toluene-d8	10.269	98	103464	51.296	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.600%
62) 4-Bromofluorobenzene	12.575	95	34674	52.135	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.280%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	18197	47.715	ug/l	98
3) Chloromethane	2.146	50	33881	52.020	ug/l	96
4) Vinyl Chloride	2.281	62	36421	46.347	ug/l	99
5) Bromomethane	2.687	94	23013	45.771	ug/l	100
6) Chloroethane	2.834	64	26224	48.373	ug/l	96
7) Trichlorofluoromethane	3.175	101	46957	48.058	ug/l	96
8) Diethyl Ether	3.593	74	13181	50.183	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.969	101	28578	51.542	ug/l	99
10) Methyl Iodide	4.163	142	32710	48.729	ug/l	93
11) Tert butyl alcohol	5.052	59	7559	230.253	ug/l #	97
12) 1,1-Dichloroethene	3.940	96	26533	50.188	ug/l	97
13) Acrolein	3.793	56	3558	200.236	ug/l	85
14) Allyl chloride	4.563	41	44478	50.566	ug/l	93
15) Acrylonitrile	5.252	53	31539	259.481	ug/l	99
16) Acetone	4.022	43	39582	270.268	ug/l	99
17) Carbon Disulfide	4.269	76	78399	48.068	ug/l	100
18) Methyl Acetate	4.563	43	19231	49.355	ug/l	96
19) Methyl tert-butyl Ether	5.322	73	62978	51.886	ug/l	95
20) Methylene Chloride	4.805	84	31673	51.514	ug/l	95
21) trans-1,2-Dichloroethene	5.316	96	30629	51.198	ug/l	99
22) Diisopropyl ether	6.216	45	92969	53.138	ug/l	98
23) Vinyl Acetate	6.157	43	183175m	305.599	ug/l	
24) 1,1-Dichloroethane	6.110	63	55916	51.262	ug/l	98
25) 2-Butanone	7.081	43	45771	252.226	ug/l	97
26) 2,2-Dichloropropane	7.075	77	50398	52.198	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	34601	51.697	ug/l	97
28) Bromochloromethane	7.428	49	15096	55.934	ug/l	94
29) Tetrahydrofuran	7.446	42	25191	257.792	ug/l	94
30) Chloroform	7.599	83	58991	52.543	ug/l	91
31) Cyclohexane	7.875	56	45891	46.661	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	50855	50.639	ug/l	96
36) 1,1-Dichloropropene	8.010	75	43104	52.026	ug/l	99
37) Ethyl Acetate	7.163	43	18572	51.398	ug/l #	93
38) Carbon Tetrachloride	7.993	117	44872	58.448	ug/l	99
39) Methylcyclohexane	9.275	83	48639	50.719	ug/l	98
40) Benzene	8.252	78	122341	52.540	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	10360	48.063	ug/l	92
42) 1,2-Dichloroethane	8.328	62	36200	53.697	ug/l	99
43) Isopropyl Acetate	8.357	43	35208	50.994	ug/l	97
44) Trichloroethene	9.028	130	32733	50.996	ug/l	96
45) 1,2-Dichloropropane	9.304	63	33012	55.823	ug/l	96
46) Dibromomethane	9.393	93	17340	52.911	ug/l	96
47) Bromodichloromethane	9.587	83	44731	54.843	ug/l	99
48) Methyl methacrylate	9.381	41	17476	53.298	ug/l	95
49) 1,4-Dioxane	9.381	88	3183	1018.185	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	92462	264.895	ug/l	95
52) Toluene	10.334	92	79690	54.334	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	38248	54.138	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	45804	54.227	ug/l	91
55) 1,1,2-Trichloroethane	10.734	97	22729	54.331	ug/l	98
56) Ethyl methacrylate	10.598	69	26342	54.163	ug/l	93
57) 1,3-Dichloropropane	10.881	76	38406	53.891	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	28363	202.996	ug/l	98
59) 2-Hexanone	10.922	43	67381	264.226	ug/l	96
60) Dibromochloromethane	11.075	129	28704	55.380	ug/l	100
61) 1,2-Dibromoethane	11.181	107	21278	52.749	ug/l	97
64) Tetrachloroethene	10.810	164	27421	49.545	ug/l	93
65) Chlorobenzene	11.610	112	83488	51.518	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	31849	53.980	ug/l	95
67) Ethyl Benzene	11.687	91	155284	51.902	ug/l	99
68) m/p-Xylenes	11.793	106	120100	105.529	ug/l	98
69) o-Xylene	12.122	106	55752	52.445	ug/l	95
70) Styrene	12.140	104	95121	52.823	ug/l	97
71) Bromoform	12.304	173	16343	51.568	ug/l #	96
73) Isopropylbenzene	12.422	105	152038	51.737	ug/l	98
74) N-amyl acetate	12.240	43	32670	49.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	27020	52.849	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	21120m	51.258	ug/l	
77) Bromobenzene	12.704	156	33199	49.890	ug/l	96
78) n-propylbenzene	12.763	91	190448	52.083	ug/l	98
79) 2-Chlorotoluene	12.851	91	103494	51.599	ug/l	99
80) 1,3,5-Trimethylbenzene	12.910	105	129060	52.745	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	5993	47.330	ug/l	95
82) 4-Chlorotoluene	12.951	91	108037	51.636	ug/l	99
83) tert-Butylbenzene	13.169	119	109106	51.722	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	129242	52.884	ug/l	97
85) sec-Butylbenzene	13.351	105	168651	52.115	ug/l	99
86) p-Isopropyltoluene	13.463	119	140832	53.200	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	71181	52.923	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	70598	52.457	ug/l	99
89) n-Butylbenzene	13.792	91	134481	52.036	ug/l	99
90) Hexachloroethane	14.057	117	27024	51.781	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	60197	51.582	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4105	51.766	ug/l	99
93) 1,2,4-Trichlorobenzene	15.104	180	36608	50.086	ug/l	96
94) Hexachlorobutadiene	15.210	225	19400	50.309	ug/l	96
95) Naphthalene	15.339	128	68279	50.190	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	33204	52.652	ug/l	99

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

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