

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031323\
 Data File : VD075507.D
 Acq On : 13 Mar 2023 13:54
 Operator : KP/SY
 Sample : VD0313SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Quant Time: Mar 14 05:57:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	116286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	192170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	171195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	83737	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	53762	50.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.900%	
35) Dibromofluoromethane	7.804	113	68466	52.019	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.040%	
50) Toluene-d8	10.269	98	280572	53.962	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.920%	
62) 4-Bromofluorobenzene	12.575	95	77053	51.264	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.520%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	24244	20.907	ug/l	95
3) Chloromethane	2.152	50	39282	20.114	ug/l	95
4) Vinyl Chloride	2.287	62	56543	20.261	ug/l	99
5) Bromomethane	2.693	94	41082	18.791	ug/l	99
6) Chloroethane	2.840	64	37046	19.819	ug/l	99
7) Trichlorofluoromethane	3.181	101	45433	20.199	ug/l	95
8) Diethyl Ether	3.593	74	11052	18.407	ug/l	66
9) 1,1,2-Trichlorotrifluo...	3.969	101	29455	20.126	ug/l	92
10) Methyl Iodide	4.169	142	33966	19.454	ug/l	91
11) Tert butyl alcohol	5.058	59	4008	82.259	ug/l #	100
12) 1,1-Dichloroethene	3.946	96	27267	18.866	ug/l #	78
13) Acrolein	3.793	56	9556	98.564	ug/l	98
14) Allyl chloride	4.563	41	22546	18.130	ug/l #	81
15) Acrylonitrile	5.258	53	19663	89.306	ug/l	98
16) Acetone	4.028	43	15960	77.729	ug/l	92
17) Carbon Disulfide	4.275	76	85265	19.553	ug/l	99
18) Methyl Acetate	4.563	43	10501	18.798	ug/l #	73
19) Methyl tert-butyl Ether	5.322	73	45190	18.030	ug/l	99
20) Methylene Chloride	4.805	84	36762	21.170	ug/l #	68
21) trans-1,2-Dichloroethene	5.316	96	31033	18.887	ug/l #	75
22) Diisopropyl ether	6.216	45	50380	18.691	ug/l #	90
23) Vinyl Acetate	6.157	43	116759	89.261	ug/l #	84
24) 1,1-Dichloroethane	6.116	63	43907	18.807	ug/l	95
25) 2-Butanone	7.081	43	21205	86.185	ug/l #	64
26) 2,2-Dichloropropane	7.081	77	41149	19.163	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	33638	19.105	ug/l	80
28) Bromochloromethane	7.428	49	14697	19.527	ug/l #	45
29) Tetrahydrofuran	7.446	42	11540	86.178	ug/l #	56
30) Chloroform	7.599	83	49871	19.234	ug/l	99
31) Cyclohexane	7.881	56	35871	19.086	ug/l #	70
32) 1,1,1-Trichloroethane	7.793	97	44000	19.353	ug/l	95
36) 1,1-Dichloropropene	8.010	75	39527	20.265	ug/l	95
37) Ethyl Acetate	7.169	43	9225	18.152	ug/l #	81
38) Carbon Tetrachloride	7.993	117	36747	19.662	ug/l	93
39) Methylcyclohexane	9.281	83	46014	18.711	ug/l	90
40) Benzene	8.252	78	114324	19.558	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	5152	19.238	ug/l #	68
42) 1,2-Dichloroethane	8.328	62	25342	19.695	ug/l	90
43) Isopropyl Acetate	8.363	43	17601	18.717	ug/l #	78
44) Trichloroethene	9.028	130	32932	19.169	ug/l	98
45) 1,2-Dichloropropane	9.310	63	23934	19.047	ug/l	92
46) Dibromomethane	9.399	93	15352	19.822	ug/l	98
47) Bromodichloromethane	9.587	83	36154	19.278	ug/l	99
48) Methyl methacrylate	9.381	41	8245	18.663	ug/l #	63
49) 1,4-Dioxane	9.381	88	2530	360.103	ug/l #	72
51) 4-Methyl-2-Pentanone	10.163	43	43683	89.320	ug/l #	77
52) Toluene	10.334	92	72685	19.189	ug/l	92
53) t-1,3-Dichloropropene	10.557	75	31854	18.881	ug/l	96
54) cis-1,3-Dichloropropene	10.022	75	39879	19.248	ug/l #	77
55) 1,1,2-Trichloroethane	10.740	97	20232	18.453	ug/l	89
56) Ethyl methacrylate	10.598	69	19107	18.303	ug/l #	65
57) 1,3-Dichloropropane	10.881	76	32070	19.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	48839	95.594	ug/l #	85
59) 2-Hexanone	10.922	43	28663	82.876	ug/l	66
60) Dibromochloromethane	11.075	129	24011	18.536	ug/l	98
61) 1,2-Dibromoethane	11.181	107	19938	19.309	ug/l	98
64) Tetrachloroethene	10.810	164	27611	20.437	ug/l	96
65) Chlorobenzene	11.610	112	79266	19.523	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.687	131	26611	19.132	ug/l	95
67) Ethyl Benzene	11.687	91	135519	19.381	ug/l	97
68) m/p-Xylenes	11.798	106	109831	39.081	ug/l	93
69) o-Xylene	12.122	106	47477	18.191	ug/l	97
70) Styrene	12.140	104	83030	19.125	ug/l	93
71) Bromoform	12.304	173	13244	18.647	ug/l #	93
73) Isopropylbenzene	12.428	105	130027	19.390	ug/l	99
74) N-amyl acetate	12.234	43	14818	17.838	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.675	83	21761	19.134	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	13793m	20.084	ug/l	
77) Bromobenzene	12.704	156	29628	18.585	ug/l	91
78) n-propylbenzene	12.769	91	158099	19.403	ug/l	98
79) 2-Chlorotoluene	12.851	91	85178	19.292	ug/l	94
80) 1,3,5-Trimethylbenzene	12.910	105	107663	19.579	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	6116	18.732	ug/l #	70
82) 4-Chlorotoluene	12.951	91	90220	19.802	ug/l	95
83) tert-Butylbenzene	13.169	119	93705	19.607	ug/l	93
84) 1,2,4-Trimethylbenzene	13.216	105	104945	19.747	ug/l	95
85) sec-Butylbenzene	13.351	105	144758	19.565	ug/l	99
86) p-Isopropyltoluene	13.463	119	116908	19.337	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	62738	19.038	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	61341	18.817	ug/l	98
89) n-Butylbenzene	13.792	91	107858	19.452	ug/l	99
90) Hexachloroethane	14.057	117	22803	19.533	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	52040	18.661	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2799	19.557	ug/l	86
93) 1,2,4-Trichlorobenzene	15.104	180	28882	17.760	ug/l	96
94) Hexachlorobutadiene	15.210	225	14746	19.011	ug/l	95
95) Naphthalene	15.339	128	50026	16.757	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	24483	17.447	ug/l	98

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

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