

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031323\
 Data File : VD075506.D
 Acq On : 13 Mar 2023 13:25
 Operator : KP/SY
 Sample : VD0313SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Quant Time: Mar 14 05:56:33 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	7.875	168	109778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	185892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	167353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	83216	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52678	52.884	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.760%	
35) Dibromofluoromethane	7.805	113	67085	52.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.380%	
50) Toluene-d8	10.269	98	273985	54.475	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.940%	
62) 4-Bromofluorobenzene	12.575	95	74663	51.351	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.700%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	23418	21.392	ug/l	96
3) Chloromethane	2.146	50	38076	20.755	ug/l	97
4) Vinyl Chloride	2.287	62	54230	20.584	ug/l	98
5) Bromomethane	2.687	94	40660	19.700	ug/l	99
6) Chloroethane	2.840	64	38213	21.655	ug/l	92
7) Trichlorofluoromethane	3.175	101	43469	20.472	ug/l	98
8) Diethyl Ether	3.593	74	11504	20.295	ug/l	62
9) 1,1,2-Trichlorotrifluo...	3.964	101	27511	19.912	ug/l	95
10) Methyl Iodide	4.164	142	31999	19.414	ug/l	90
11) Tert butyl alcohol	5.058	59	4405	95.767	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	26670	19.546	ug/l	85
13) Acrolein	3.799	56	9033	98.693	ug/l	98
14) Allyl chloride	4.558	41	22084	18.812	ug/l #	82
15) Acrylonitrile	5.258	53	19889	95.687	ug/l	96
16) Acetone	4.022	43	17406	92.565	ug/l #	85
17) Carbon Disulfide	4.275	76	84290	20.475	ug/l	100
18) Methyl Acetate	4.569	43	10221	19.382	ug/l #	76
19) Methyl tert-butyl Ether	5.322	73	44290	18.718	ug/l	95
20) Methylene Chloride	4.805	84	36664	22.731	ug/l #	73
21) trans-1,2-Dichloroethene	5.316	96	31352	20.213	ug/l #	75
22) Diisopropyl ether	6.216	45	50392	19.804	ug/l #	90
23) Vinyl Acetate	6.158	43	117933	95.503	ug/l #	84
24) 1,1-Dichloroethane	6.111	63	44076	19.998	ug/l	98
25) 2-Butanone	7.087	43	22011	94.764	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	41382	20.414	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	33527	20.171	ug/l	81
28) Bromochloromethane	7.428	49	14993	21.101	ug/l #	50
29) Tetrahydrofuran	7.446	42	11900	94.134	ug/l #	51
30) Chloroform	7.593	83	50141	20.484	ug/l	96
31) Cyclohexane	7.881	56	35244	19.864	ug/l #	67
32) 1,1,1-Trichloroethane	7.793	97	43888	20.448	ug/l	95
36) 1,1-Dichloropropene	8.010	75	37804	20.036	ug/l	92
37) Ethyl Acetate	7.169	43	9426	19.174	ug/l #	83
38) Carbon Tetrachloride	7.993	117	36180	20.013	ug/l	99
39) Methylcyclohexane	9.275	83	46083	19.372	ug/l #	88
40) Benzene	8.252	78	114072	20.174	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	4858m	18.753	ug/l	
42) 1,2-Dichloroethane	8.322	62	25144	20.201	ug/l	92
43) Isopropyl Acetate	8.357	43	17158	18.862	ug/l #	74
44) Trichloroethene	9.034	130	33104	19.920	ug/l	94
45) 1,2-Dichloropropane	9.304	63	24654	20.282	ug/l	92
46) Dibromomethane	9.399	93	15260	20.369	ug/l	100
47) Bromodichloromethane	9.581	83	35737	19.699	ug/l	95
48) Methyl methacrylate	9.381	41	8522	19.942	ug/l #	59
49) 1,4-Dioxane	9.387	88	2343	344.749	ug/l #	72
51) 4-Methyl-2-Pentanone	10.163	43	44176	93.379	ug/l #	79
52) Toluene	10.334	92	73652	20.101	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	31065	19.035	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	39462	19.690	ug/l #	78
55) 1,1,2-Trichloroethane	10.734	97	20975	19.777	ug/l	94
56) Ethyl methacrylate	10.599	69	19417	19.228	ug/l #	65
57) 1,3-Dichloropropane	10.881	76	31321	19.189	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.875	63	47151	95.407	ug/l #	87
59) 2-Hexanone	10.922	43	31236	93.365	ug/l	76
60) Dibromochloromethane	11.075	129	24585	19.620	ug/l	99
61) 1,2-Dibromoethane	11.181	107	19418	19.440	ug/l	97
64) Tetrachloroethene	10.810	164	27097	20.517	ug/l	98
65) Chlorobenzene	11.610	112	77027	19.407	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	26905	19.787	ug/l	95
67) Ethyl Benzene	11.687	91	132293	19.354	ug/l	98
68) m/p-Xylenes	11.793	106	109443	39.837	ug/l	91
69) o-Xylene	12.122	106	48547	19.028	ug/l	95
70) Styrene	12.140	104	82131	19.352	ug/l	95
71) Bromoform	12.304	173	13479	19.414	ug/l #	96
73) Isopropylbenzene	12.428	105	127051	19.065	ug/l	98
74) N-amyl acetate	12.240	43	15159	18.363	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	12.675	83	21382	18.919	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	12832m	18.802	ug/l	
77) Bromobenzene	12.704	156	30522	19.265	ug/l	88
78) n-propylbenzene	12.769	91	160009	19.761	ug/l	98
79) 2-Chlorotoluene	12.851	91	86167	19.638	ug/l	93
80) 1,3,5-Trimethylbenzene	12.910	105	105151	19.242	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.475	75	5997	18.483	ug/l #	78
82) 4-Chlorotoluene	12.951	91	87898	19.413	ug/l	94
83) tert-Butylbenzene	13.169	119	87546	18.433	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	105040	19.889	ug/l	95
85) sec-Butylbenzene	13.351	105	141199	19.203	ug/l	98
86) p-Isopropyltoluene	13.463	119	116733	19.429	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	61924	18.909	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	61826	19.084	ug/l	98
89) n-Butylbenzene	13.792	91	107537	19.516	ug/l	99
90) Hexachloroethane	14.057	117	22488	19.383	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	52813	19.057	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	2408	16.930	ug/l	68
93) 1,2,4-Trichlorobenzene	15.104	180	29509	18.259	ug/l	97
94) Hexachlorobutadiene	15.210	225	15240	19.771	ug/l	97
95) Naphthalene	15.339	128	51978	17.520	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	24935	17.880	ug/l	99

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

