

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076786.D
 Acq On : 19 Jul 2023 13:07
 Operator : KP/SY
 Sample : VD0719SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0719SBS01

Quant Time: Jul 20 04:58:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	176737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	318314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	286980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81955	46.556	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.120%
35) Dibromofluoromethane	7.805	113	97617	48.801	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.600%
50) Toluene-d8	10.269	98	332433	46.456	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.920%
62) 4-Bromofluorobenzene	12.575	95	107269	46.338	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	31011	22.438	ug/l	100
3) Chloromethane	2.146	50	45122	18.926	ug/l	96
4) Vinyl Chloride	2.281	62	67071	21.104	ug/l	97
5) Bromomethane	2.675	94	53724	20.546	ug/l	100
6) Chloroethane	2.828	64	49321	20.555	ug/l	96
7) Trichlorofluoromethane	3.164	101	64480	22.802	ug/l	89
8) Diethyl Ether	3.587	74	18665	19.171	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.958	101	42702	22.972	ug/l	97
10) Methyl Iodide	4.158	142	43710	20.860	ug/l	93
11) Tert butyl alcohol	5.064	59	14186	107.993	ug/l	97
12) 1,1-Dichloroethene	3.928	96	35837	20.520	ug/l	95
13) Acrolein	3.799	56	11026	123.172	ug/l	99
14) Allyl chloride	4.558	41	44900	19.571	ug/l	91
15) Acrylonitrile	5.252	53	48354	101.117	ug/l	97
16) Acetone	4.022	43	38399	91.337	ug/l #	85
17) Carbon Disulfide	4.270	76	79035	19.376	ug/l	100
18) Methyl Acetate	4.564	43	31988	20.252	ug/l	92
19) Methyl tert-butyl Ether	5.317	73	90321	19.285	ug/l	99
20) Methylene Chloride	4.799	84	74935	24.728	ug/l	90
21) trans-1,2-Dichloroethene	5.311	96	41097	20.244	ug/l	98
22) Diisopropyl ether	6.222	45	109668	20.187	ug/l	94
23) Vinyl Acetate	6.152	43	252623m	93.982	ug/l	
24) 1,1-Dichloroethane	6.111	63	75508	20.614	ug/l	97
25) 2-Butanone	7.075	43	56889	101.108	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	68631	21.736	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	51594	20.616	ug/l	94
28) Bromochloromethane	7.422	49	22053	24.082	ug/l	89
29) Tetrahydrofuran	7.446	42	32495	97.748	ug/l	90
30) Chloroform	7.593	83	80245	20.002	ug/l	98
31) Cyclohexane	7.875	56	53805	20.769	ug/l	91
32) 1,1,1-Trichloroethane	7.787	97	70051	21.642	ug/l	97
36) 1,1-Dichloropropene	8.005	75	55856	21.369	ug/l	99
37) Ethyl Acetate	7.169	43	24917	21.316	ug/l	96
38) Carbon Tetrachloride	7.987	117	54741	21.872	ug/l	94
39) Methylcyclohexane	9.275	83	63331	20.984	ug/l	94
40) Benzene	8.252	78	172974	20.973	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	13074	18.315	ug/l #	92
42) 1,2-Dichloroethane	8.328	62	44264	20.656	ug/l	98
43) Isopropyl Acetate	8.363	43	44194	19.372	ug/l	95
44) Trichloroethene	9.028	130	45837	20.395	ug/l	90
45) 1,2-Dichloropropane	9.305	63	46377	21.784	ug/l	92
46) Dibromomethane	9.393	93	25324	20.322	ug/l	91
47) Bromodichloromethane	9.587	83	65895	21.072	ug/l	96
48) Methyl methacrylate	9.381	41	18928	18.230	ug/l	85
49) 1,4-Dioxane	9.381	88	5726	358.641	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	117799	96.983	ug/l	95
52) Toluene	10.334	92	109969	20.302	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	57361	19.762	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	66543	19.452	ug/l #	87
55) 1,1,2-Trichloroethane	10.734	97	36565	20.094	ug/l	93
56) Ethyl methacrylate	10.599	69	39493	18.804	ug/l #	88
57) 1,3-Dichloropropane	10.881	76	60573	20.440	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	80836	99.432	ug/l	99
59) 2-Hexanone	10.922	43	80226	92.565	ug/l	91
60) Dibromochloromethane	11.075	129	44338	20.974	ug/l	99
61) 1,2-Dibromoethane	11.181	107	33427	19.814	ug/l	100
64) Tetrachloroethene	10.810	164	34623	21.158	ug/l	91
65) Chlorobenzene	11.610	112	119905	20.774	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	46062	21.436	ug/l	94
67) Ethyl Benzene	11.687	91	210868	20.803	ug/l	96
68) m/p-Xylenes	11.793	106	157624	40.490	ug/l	87
69) o-Xylene	12.122	106	76879	20.422	ug/l	92
70) Styrene	12.134	104	131695	19.984	ug/l	95
71) Bromoform	12.304	173	23011	19.552	ug/l #	94
73) Isopropylbenzene	12.422	105	204580	21.060	ug/l	95
74) N-amyl acetate	12.234	43	40970	20.020	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	43018	20.626	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	21996m	17.275	ug/l	
77) Bromobenzene	12.704	156	46603	20.784	ug/l	87
78) n-propylbenzene	12.763	91	256821	21.808	ug/l	95
79) 2-Chlorotoluene	12.851	91	135732	21.021	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	169147	21.535	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	12304	20.566	ug/l	97
82) 4-Chlorotoluene	12.946	91	144527	21.425	ug/l	94
83) tert-Butylbenzene	13.169	119	147134	21.275	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	166011	20.682	ug/l	96
85) sec-Butylbenzene	13.346	105	230220	21.788	ug/l	94
86) p-Isopropyltoluene	13.463	119	186366	21.357	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	92941	20.153	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	96067	21.261	ug/l	96
89) n-Butylbenzene	13.787	91	184869	21.650	ug/l	96
90) Hexachloroethane	14.051	117	37314	23.129	ug/l	85
91) 1,2-Dichlorobenzene	13.828	146	86853	21.372	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5968	20.069	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	48905	19.712	ug/l	98
94) Hexachlorobutadiene	15.204	225	24647	20.656	ug/l	97
95) Naphthalene	15.328	128	98591	18.353	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	44774	20.110	ug/l	96

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

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