

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077316.D
 Acq On : 12 Oct 2023 12:38
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Quant Time: Oct 13 02:29:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 14:39:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	292981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	511211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	446155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	206150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	115071	49.958	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.920%		
35) Dibromofluoromethane	7.804	113	140111	52.633	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.260%		
50) Toluene-d8	10.269	98	466850	52.301	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.600%		
62) 4-Bromofluorobenzene	12.575	95	149174	49.758	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.520%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	130916	48.749	ug/l	96
3) Chloromethane	2.146	50	220750	52.090	ug/l	99
4) Vinyl Chloride	2.281	62	224692	47.888	ug/l	98
5) Bromomethane	2.693	94	146520	43.324	ug/l	99
6) Chloroethane	2.834	64	155598	48.991	ug/l	100
7) Trichlorofluoromethane	3.175	101	239249	47.420	ug/l	98
8) Diethyl Ether	3.593	74	86583	49.587	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.963	101	178581	51.365	ug/l	95
10) Methyl Iodide	4.163	142	206075	46.753	ug/l #	90
11) Tert butyl alcohol	5.052	59	41987	238.335	ug/l	99
12) 1,1-Dichloroethene	3.934	96	175730	51.823	ug/l	88
13) Acrolein	3.799	56	53287	238.785	ug/l	100
14) Allyl chloride	4.563	41	238794	51.270	ug/l	91
15) Acrylonitrile	5.252	53	194597	233.926	ug/l	99
16) Acetone	4.016	43	171892	238.832	ug/l	93
17) Carbon Disulfide	4.269	76	544409	52.746	ug/l	99
18) Methyl Acetate	4.558	43	140021	48.021	ug/l	89
19) Methyl tert-butyl Ether	5.310	73	372681	48.847	ug/l	96
20) Methylene Chloride	4.805	84	217068	41.520	ug/l #	88
21) trans-1,2-Dichloroethene	5.310	96	203219	50.080	ug/l	91
22) Diisopropyl ether	6.210	45	530144	50.007	ug/l	96
23) Vinyl Acetate	6.152	43	1241739	248.809	ug/l #	91
24) 1,1-Dichloroethane	6.110	63	348406	49.953	ug/l	96
25) 2-Butanone	7.081	43	239726	248.372	ug/l #	83
26) 2,2-Dichloropropane	7.069	77	291044	51.924	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	222970	49.465	ug/l	93
28) Bromochloromethane	7.428	49	134771	48.844	ug/l #	76
29) Tetrahydrofuran	7.446	42	138045	236.155	ug/l	88
30) Chloroform	7.593	83	348769	48.940	ug/l	100
31) Cyclohexane	7.881	56	284952	50.966	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	298485	52.001	ug/l	98
36) 1,1-Dichloropropene	8.010	75	271815	54.645	ug/l	96
37) Ethyl Acetate	7.169	43	97381	46.940	ug/l	96
38) Carbon Tetrachloride	7.993	117	255407	57.023	ug/l	94
39) Methylcyclohexane	9.275	83	308057	54.030	ug/l #	88
40) Benzene	8.252	78	808599	53.337	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	56739	52.581	ug/l	90
42) 1,2-Dichloroethane	8.322	62	183943	50.898	ug/l	99
43) Isopropyl Acetate	8.363	43	189092	51.474	ug/l	92
44) Trichloroethene	9.028	130	201398	53.749	ug/l	90
45) 1,2-Dichloropropane	9.304	63	197258	50.806	ug/l	98
46) Dibromomethane	9.393	93	100956	48.884	ug/l	89
47) Bromodichloromethane	9.581	83	248596	49.734	ug/l	98
48) Methyl methacrylate	9.381	41	87074	49.794	ug/l #	80
49) 1,4-Dioxane	9.393	88	20141	940.748	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	484048	251.849	ug/l	92
52) Toluene	10.334	92	494645	52.730	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	237953	49.948	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	298622	50.725	ug/l #	95
55) 1,1,2-Trichloroethane	10.734	97	137641	49.328	ug/l	93
56) Ethyl methacrylate	10.598	69	168150	47.340	ug/l	93
57) 1,3-Dichloropropane	10.881	76	236223	49.308	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	377996	215.844	ug/l	93
59) 2-Hexanone	10.922	43	350382	256.712	ug/l	91
60) Dibromochloromethane	11.075	129	157922	49.451	ug/l	96
61) 1,2-Dibromoethane	11.181	107	126100	49.000	ug/l	99
64) Tetrachloroethene	10.810	164	151038	53.508	ug/l	89
65) Chlorobenzene	11.610	112	489304	53.007	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	171398	52.370	ug/l	98
67) Ethyl Benzene	11.687	91	927493	55.149	ug/l	96
68) m/p-Xylenes	11.792	106	715023	111.389	ug/l	90
69) o-Xylene	12.122	106	329207	54.879	ug/l	92
70) Styrene	12.134	104	566630	54.635	ug/l	96
71) Bromoform	12.304	173	84564	51.243	ug/l #	99
73) Isopropylbenzene	12.422	105	870850	56.122	ug/l	95
74) N-amyl acetate	12.234	43	169997	52.698	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	153569	50.504	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	102039m	47.785	ug/l	
77) Bromobenzene	12.704	156	180340	51.742	ug/l	82
78) n-propylbenzene	12.763	91	1097941	56.072	ug/l	94
79) 2-Chlorotoluene	12.851	91	573403	54.546	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	709971	55.351	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	51091	53.474	ug/l	96
82) 4-Chlorotoluene	12.945	91	598470	54.168	ug/l	94
83) tert-Butylbenzene	13.169	119	604343	56.150	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	711679	54.979	ug/l	93
85) sec-Butylbenzene	13.345	105	944412	56.233	ug/l	94
86) p-Isopropyltoluene	13.463	119	774561	56.081	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	381765	52.021	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	371565	51.575	ug/l	98
89) n-Butylbenzene	13.787	91	767700	56.749	ug/l	97
90) Hexachloroethane	14.057	117	143996	53.534	ug/l	84
91) 1,2-Dichlorobenzene	13.834	146	326352	51.674	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	20480	51.020	ug/l	91
93) 1,2,4-Trichlorobenzene	15.104	180	203230	52.581	ug/l	98
94) Hexachlorobutadiene	15.210	225	100828	52.725	ug/l	98
95) Naphthalene	15.333	128	390577	52.094	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	175770	51.609	ug/l	99

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

