

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031323\
 Data File : VD075504.D
 Acq On : 13 Mar 2023 11:24
 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: Mar 14 05:55:14 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	133087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	218583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	197072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	97828	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58629	48.550	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.100%
35) Dibromofluoromethane	7.804	113	73867	49.341	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.680%
50) Toluene-d8	10.269	98	303776	51.365	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.720%
62) 4-Bromofluorobenzene	12.575	95	84861	49.636	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	55943	42.152	ug/l	99
3) Chloromethane	2.146	50	91934	45.744	ug/l	97
4) Vinyl Chloride	2.287	62	138961	43.508	ug/l	97
5) Bromomethane	2.693	94	106958	42.746	ug/l	97
6) Chloroethane	2.840	64	91912	42.963	ug/l	98
7) Trichlorofluoromethane	3.181	101	111982	43.501	ug/l	99
8) Diethyl Ether	3.599	74	30941	45.026	ug/l	64
9) 1,1,2-Trichlorotrifluo...	3.969	101	72717	43.414	ug/l	96
10) Methyl Iodide	4.163	142	91755	45.918	ug/l	92
11) Tert butyl alcohol	5.052	59	13073	234.436	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	72397	43.767	ug/l	86
13) Acrolein	3.799	56	23563	212.357	ug/l	100
14) Allyl chloride	4.563	41	61633	43.305	ug/l #	81
15) Acrylonitrile	5.258	53	56494	224.193	ug/l	97
16) Acetone	4.022	43	60189	297.052	ug/l #	77
17) Carbon Disulfide	4.269	76	212195	42.517	ug/l	98
18) Methyl Acetate	4.563	43	28722	44.926	ug/l #	69
19) Methyl tert-butyl Ether	5.316	73	131012	45.672	ug/l	95
20) Methylene Chloride	4.805	84	82682	47.858	ug/l #	74
21) trans-1,2-Dichloroethene	5.310	96	82048	43.632	ug/l #	76
22) Diisopropyl ether	6.216	45	138922	45.035	ug/l #	86
23) Vinyl Acetate	6.157	43	340224	227.262	ug/l #	84
24) 1,1-Dichloroethane	6.110	63	115988	43.409	ug/l	95
25) 2-Butanone	7.081	43	71262	253.072	ug/l #	66
26) 2,2-Dichloropropane	7.081	77	108830	44.284	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	90314	44.820	ug/l	78
28) Bromochloromethane	7.428	49	39216	45.526	ug/l #	39
29) Tetrahydrofuran	7.446	42	35140	229.289	ug/l #	55
30) Chloroform	7.599	83	129947	43.790	ug/l	94
31) Cyclohexane	7.881	56	89648	41.678	ug/l #	74
32) 1,1,1-Trichloroethane	7.793	97	115853	44.524	ug/l	94
36) 1,1-Dichloropropene	8.010	75	100799	45.434	ug/l	93
37) Ethyl Acetate	7.169	43	25944	44.881	ug/l #	77
38) Carbon Tetrachloride	7.993	117	96721	45.499	ug/l	95
39) Methylcyclohexane	9.275	83	123675	44.213	ug/l #	86
40) Benzene	8.251	78	297532	44.749	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	13750	45.140	ug/l #	65
42) 1,2-Dichloroethane	8.328	62	65443	44.715	ug/l	91
43) Isopropyl Acetate	8.363	43	48691	45.521	ug/l #	77
44) Trichloroethene	9.034	130	86495	44.263	ug/l	90
45) 1,2-Dichloropropane	9.304	63	65011	45.484	ug/l	98
46) Dibromomethane	9.398	93	40456	45.923	ug/l	95
47) Bromodichloromethane	9.587	83	95502	44.770	ug/l	97
48) Methyl methacrylate	9.381	41	23475	46.716	ug/l #	59
49) 1,4-Dioxane	9.381	88	7607	951.894	ug/l #	73
51) 4-Methyl-2-Pentanone	10.163	43	132706	238.560	ug/l #	78
52) Toluene	10.334	92	197212	45.772	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	87488	45.591	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	107545	45.634	ug/l #	77
55) 1,1,2-Trichloroethane	10.740	97	56867	45.599	ug/l #	87
56) Ethyl methacrylate	10.598	69	56664	47.721	ug/l #	68
57) 1,3-Dichloropropane	10.881	76	87213	45.441	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	139862	240.675	ug/l #	84
59) 2-Hexanone	10.922	43	104833	266.485	ug/l	71
60) Dibromochloromethane	11.081	129	68092	46.213	ug/l	98
61) 1,2-Dibromoethane	11.181	107	53945	45.930	ug/l	98
64) Tetrachloroethene	10.810	164	72522	46.630	ug/l	97
65) Chlorobenzene	11.610	112	207769	44.454	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	73265	45.757	ug/l	94
67) Ethyl Benzene	11.687	91	370151	45.986	ug/l	96
68) m/p-Xylenes	11.798	106	305266	94.359	ug/l	91
69) o-Xylene	12.122	106	140058	46.616	ug/l	92
70) Styrene	12.140	104	240795	48.181	ug/l	93
71) Bromoform	12.304	173	38363	46.921	ug/l #	95
73) Isopropylbenzene	12.422	105	364014	46.464	ug/l	99
74) N-amyl acetate	12.240	43	45421	46.803	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.675	83	59345	44.665	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	36560m	45.567	ug/l	
77) Bromobenzene	12.704	156	83634	44.904	ug/l	88
78) n-propylbenzene	12.769	91	439794	46.200	ug/l	97
79) 2-Chlorotoluene	12.851	91	230976	44.778	ug/l	93
80) 1,3,5-Trimethylbenzene	12.910	105	295736	46.034	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.475	75	17303	45.362	ug/l #	76
82) 4-Chlorotoluene	12.951	91	238217	44.755	ug/l	91
83) tert-Butylbenzene	13.169	119	262565	47.025	ug/l	92
84) 1,2,4-Trimethylbenzene	13.216	105	295707	47.627	ug/l	94
85) sec-Butylbenzene	13.351	105	396900	45.917	ug/l	98
86) p-Isopropyltoluene	13.463	119	333696	47.244	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	177668	46.148	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	170117	44.668	ug/l	97
89) n-Butylbenzene	13.792	91	302100	46.636	ug/l	98
90) Hexachloroethane	14.057	117	61972	45.438	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	148309	45.522	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7184	42.965	ug/l	63
93) 1,2,4-Trichlorobenzene	15.104	180	84516	44.484	ug/l	98
94) Hexachlorobutadiene	15.210	225	41086	45.341	ug/l	98
95) Naphthalene	15.333	128	160515	46.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	73042	44.554	ug/l	99

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

