

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021136.D
 Acq On : 07 Feb 2025 13:30
 Operator : SY/MD
 Sample : Q1168-03 4PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 08 02:40:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	175549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	275701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	233055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	109875	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	81400	45.256	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.520%
35) Dibromofluoromethane	7.640	113	78830	44.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.240%
50) Toluene-d8	10.109	98	299175	44.476	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.960%
62) 4-Bromofluorobenzene	12.408	95	94551	43.026	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	5751	3.676	ug/l	95
3) Chloromethane	2.074	50	6196	4.013	ug/l	99
4) Vinyl Chloride	2.208	62	5818	3.744	ug/l	99
5) Bromomethane	2.598	94	4111	4.280	ug/l	98
6) Chloroethane	2.739	64	3723	4.025	ug/l	98
7) Trichlorofluoromethane	3.062	101	10845	3.831	ug/l	96
8) Diethyl Ether	3.458	74	3412	3.860	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	6988	3.933	ug/l	98
10) Methyl Iodide	4.013	142	6608	3.347	ug/l	93
11) Tert butyl alcohol	4.860	59	3449	28.297	ug/l #	82
12) 1,1-Dichloroethene	3.793	96	6362	3.801	ug/l #	81
13) Acrolein	3.647	56	3274	17.444	ug/l	98
14) Allyl chloride	4.391	41	10252	3.634	ug/l	95
15) Acrylonitrile	5.068	53	6509	17.686	ug/l	96
16) Acetone	3.867	43	5397	19.241	ug/l #	80
17) Carbon Disulfide	4.110	76	19369	3.690	ug/l	98
18) Methyl Acetate	4.397	43	3750	3.808	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	14845	3.509	ug/l	93
20) Methylene Chloride	4.622	84	7054	4.045	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	6452	3.502	ug/l #	93
22) Diisopropyl ether	6.025	45	20209	3.476	ug/l	94
23) Vinyl Acetate	5.964	43	51862	16.000	ug/l	100
24) 1,1-Dichloroethane	5.921	63	12779	3.751	ug/l	97
25) 2-Butanone	6.896	43	8120	17.617	ug/l	95
26) 2,2-Dichloropropane	6.890	77	12106	3.840	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	7508	3.540	ug/l	89
28) Bromochloromethane	7.244	49	6375	4.732	ug/l	99
29) Tetrahydrofuran	7.268	42	5342	17.128	ug/l	93
30) Chloroform	7.427	83	13497	3.857	ug/l	97
31) Cyclohexane	7.707	56	14314	4.666	ug/l #	73
32) 1,1,1-Trichloroethane	7.622	97	12372	3.803	ug/l	97
36) 1,1-Dichloropropene	7.835	75	9410	3.596	ug/l	99
37) Ethyl Acetate	6.988	43	4405	3.837	ug/l #	93
38) Carbon Tetrachloride	7.817	117	11716	3.831	ug/l	90
39) Methylcyclohexane	9.109	83	11579	3.617	ug/l	94
40) Benzene	8.085	78	28054	3.653	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	1553	2.338	ug/l #	61
42) 1,2-Dichloroethane	8.165	62	7680	3.605	ug/l	98
43) Isopropyl Acetate	8.207	43	7704	3.377	ug/l #	87
44) Trichloroethene	8.866	130	7140	3.598	ug/l	98
45) 1,2-Dichloropropane	9.146	63	6439	3.532	ug/l	99
46) Dibromomethane	9.231	93	3432	3.400	ug/l	95
47) Bromodichloromethane	9.427	83	9391	3.469	ug/l	99
48) Methyl methacrylate	9.225	41	3370m	3.243	ug/l	
49) 1,4-Dioxane	9.238	88	576	61.304	ug/l #	84
51) 4-Methyl-2-Pentanone	10.000	43	18432	16.067	ug/l	93
52) Toluene	10.176	92	17564	3.642	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	7774	3.198	ug/l	90
54) cis-1,3-Dichloropropene	9.859	75	9936	3.453	ug/l #	87
55) 1,1,2-Trichloroethane	10.579	97	4962	3.797	ug/l	95
56) Ethyl methacrylate	10.439	69	5215	2.983	ug/l	87
57) 1,3-Dichloropropane	10.719	76	7947	3.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	15518	18.656	ug/l	100
59) 2-Hexanone	10.762	43	10636	14.400	ug/l	95
60) Dibromochloromethane	10.914	129	6290	3.427	ug/l	98
61) 1,2-Dibromoethane	11.018	107	4099	3.348	ug/l	95
64) Tetrachloroethene	10.646	164	6605	3.818	ug/l	93
65) Chlorobenzene	11.444	112	18356	3.537	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	6729	3.649	ug/l	99
67) Ethyl Benzene	11.524	91	31318	3.412	ug/l	100
68) m/p-Xylenes	11.633	106	23260	6.774	ug/l	96
69) o-Xylene	11.957	106	10746	3.357	ug/l	97
70) Styrene	11.969	104	16836	3.155	ug/l	97
71) Bromoform	12.133	173	3519	3.428	ug/l #	97
73) Isopropylbenzene	12.255	105	28300	3.297	ug/l	100
74) N-amyl acetate	12.072	43	5573	2.970	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	4685	3.282	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	4085m	4.099	ug/l	
77) Bromobenzene	12.536	156	7022	3.545	ug/l	95
78) n-propylbenzene	12.597	91	35888	3.510	ug/l	99
79) 2-Chlorotoluene	12.682	91	20880	3.566	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	23120	3.322	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	1592	3.259	ug/l	98
82) 4-Chlorotoluene	12.780	91	21827	3.658	ug/l	97
83) tert-Butylbenzene	12.999	119	20478	3.238	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	22801	3.351	ug/l	97
85) sec-Butylbenzene	13.176	105	29479	3.238	ug/l	96
86) p-Isopropyltoluene	13.292	119	24578	3.250	ug/l	96
87) 1,3-Dichlorobenzene	13.292	146	13484	3.526	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	13400	3.559	ug/l	88
89) n-Butylbenzene	13.621	91	22636	3.281	ug/l	99
90) Hexachloroethane	13.883	117	5631	3.569	ug/l	92
91) 1,2-Dichlorobenzene	13.664	146	11519	3.470	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.273	75	724	3.394	ug/l	83
93) 1,2,4-Trichlorobenzene	14.926	180	5536	2.996	ug/l	97
94) Hexachlorobutadiene	15.029	225	4069	3.323	ug/l	95
95) Naphthalene	15.151	128	8099	2.740	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	4868	3.166	ug/l	96

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

