

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021135.D
 Acq On : 07 Feb 2025 13:07
 Operator : SY/MD
 Sample : Q1168-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL

Quant Time: Feb 08 02:39:42 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	169127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	271292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	230329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	109097	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	91640	52.884	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.760%	
35) Dibromofluoromethane	7.640	113	86458	49.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.460%	
50) Toluene-d8	10.109	98	320335	48.396	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.800%	
62) 4-Bromofluorobenzene	12.408	95	104484	48.318	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.640%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	4234	2.809	ug/l	86
3) Chloromethane	2.074	50	4636	3.117	ug/l	99
4) Vinyl Chloride	2.202	62	4680	3.126	ug/l	90
5) Bromomethane	2.599	94	3369	3.641	ug/l	98
6) Chloroethane	2.739	64	2720	3.052	ug/l	98
7) Trichlorofluoromethane	3.068	101	8071	2.959	ug/l	92
8) Diethyl Ether	3.458	74	2550	2.995	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.818	101	5301	3.097	ug/l	97
10) Methyl Iodide	4.013	142	4833	2.541	ug/l #	90
11) Tert butyl alcohol	4.854	59	2901m	24.705	ug/l	
12) 1,1-Dichloroethene	3.793	96	4604	2.855	ug/l #	90
13) Acrolein	3.653	56	2894	16.005	ug/l	97
14) Allyl chloride	4.391	41	7826	2.880	ug/l	97
15) Acrylonitrile	5.068	53	4868	13.729	ug/l	95
16) Acetone	3.879	43	4729	17.500	ug/l	94
17) Carbon Disulfide	4.110	76	14474	2.862	ug/l	98
18) Methyl Acetate	4.391	43	3028	3.192	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	11565	2.837	ug/l	100
20) Methylene Chloride	4.623	84	5631	3.352	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	4937	2.781	ug/l	86
22) Diisopropyl ether	6.025	45	14632	2.612	ug/l	90
23) Vinyl Acetate	5.976	43	40167	12.862	ug/l	98
24) 1,1-Dichloroethane	5.927	63	9242	2.816	ug/l	97
25) 2-Butanone	6.896	43	6576	14.809	ug/l	91
26) 2,2-Dichloropropane	6.890	77	9047	2.979	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	5680	2.780	ug/l	86
28) Bromochloromethane	7.256	49	3845	2.963	ug/l #	98
29) Tetrahydrofuran	7.274	42	4164	13.858	ug/l	95
30) Chloroform	7.427	83	9576	2.841	ug/l	100
31) Cyclohexane	7.701	56	11247	3.805	ug/l #	82
32) 1,1,1-Trichloroethane	7.622	97	8725	2.784	ug/l	96
36) 1,1-Dichloropropene	7.841	75	7121	2.765	ug/l	98
37) Ethyl Acetate	6.994	43	3559m	3.150	ug/l	
38) Carbon Tetrachloride	7.817	117	8587	2.854	ug/l	98
39) Methylcyclohexane	9.116	83	8284	2.630	ug/l	98
40) Benzene	8.079	78	21186	2.803	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021135.D
 Acq On : 07 Feb 2025 13:07
 Operator : SY/MD
 Sample : Q1168-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL

Quant Time: Feb 08 02:39:42 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)
41) Methacrylonitrile	7.226	41	1761	2.694	ug/l #	92
42) 1,2-Dichloroethane	8.165	62	6230	2.972	ug/l	97
43) Isopropyl Acetate	8.201	43	6116	2.725	ug/l #	85
44) Trichloroethene	8.872	130	5495	2.814	ug/l	96
45) 1,2-Dichloropropane	9.146	63	5044	2.812	ug/l	97
46) Dibromomethane	9.238	93	2734	2.753	ug/l	98
47) Bromodichloromethane	9.427	83	7376	2.769	ug/l #	98
48) Methyl methacrylate	9.225	41	2758	2.697	ug/l	93
49) 1,4-Dioxane	9.238	88	452	48.889	ug/l #	71
51) 4-Methyl-2-Pentanone	10.000	43	14915	13.213	ug/l	96
52) Toluene	10.176	92	13129	2.767	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	6223	2.602	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	7463	2.635	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	3575	2.780	ug/l	95
56) Ethyl methacrylate	10.445	69	4143	2.408	ug/l	94
57) 1,3-Dichloropropane	10.719	76	6103	2.742	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	8994	10.988	ug/l	100
59) 2-Hexanone	10.768	43	8988	12.366	ug/l	94
60) Dibromochloromethane	10.914	129	4829	2.674	ug/l	97
61) 1,2-Dibromoethane	11.018	107	3185	2.644	ug/l	99
64) Tetrachloroethene	10.646	164	4668	2.730	ug/l	93
65) Chlorobenzene	11.444	112	14048	2.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	5016	2.752	ug/l	97
67) Ethyl Benzene	11.524	91	23488	2.589	ug/l	98
68) m/p-Xylenes	11.633	106	16957	4.997	ug/l	95
69) o-Xylene	11.957	106	7789	2.462	ug/l	97
70) Styrene	11.975	104	12696	2.408	ug/l	95
71) Bromoform	12.133	173	2750	2.711	ug/l #	93
73) Isopropylbenzene	12.255	105	20650	2.423	ug/l	99
74) N-amyl acetate	12.072	43	4388	2.355	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	3921	2.766	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	2895m	2.925	ug/l	
77) Bromobenzene	12.536	156	5043	2.564	ug/l	99
78) n-propylbenzene	12.597	91	26376	2.598	ug/l	98
79) 2-Chlorotoluene	12.682	91	15265	2.625	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	17500	2.533	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	1397m	2.880	ug/l	
82) 4-Chlorotoluene	12.780	91	16058	2.711	ug/l	98
83) tert-Butylbenzene	12.999	119	15213	2.422	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	16515	2.445	ug/l	97
85) sec-Butylbenzene	13.182	105	21632	2.393	ug/l	97
86) p-Isopropyltoluene	13.298	119	17875	2.380	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	10562	2.782	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	10890	2.913	ug/l	89
89) n-Butylbenzene	13.621	91	16425	2.398	ug/l	99
90) Hexachloroethane	13.883	117	4079	2.604	ug/l	85
91) 1,2-Dichlorobenzene	13.664	146	9030	2.740	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	617	2.913	ug/l	78
93) 1,2,4-Trichlorobenzene	14.926	180	4425	2.412	ug/l	97
94) Hexachlorobutadiene	15.029	225	3141	2.584	ug/l	98
95) Naphthalene	15.151	128	6912	2.355	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	3683	2.412	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
Data File : VY021135.D
Acq On : 07 Feb 2025 13:07
Operator : SY/MD
Sample : Q1168-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL

Quant Time: Feb 08 02:39:42 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)
----------	------	------	----------	------	-------	----------

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

