

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022115.D
 Acq On : 01 May 2025 18:23
 Operator : SY/MD
 Sample : Q1914-10MS
 Misc : 6.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-8MS

Quant Time: May 02 04:30:52 2025
 Quant Title :
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	342721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	536963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	334367	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.328	152	378955	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	130239	41.141	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.280%
35) Dibromofluoromethane	7.634	113	168638	47.538	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.080%
50) Toluene-d8	10.109	98	1507509	112.720	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	225.440%#
62) 4-Bromofluorobenzene	12.407	95	1166955	259.196	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	518.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.860	85	123173	42.178	ug/l	99
3) Chloromethane	2.068	50	170368	40.971	ug/l	98
4) Vinyl Chloride	2.202	62	196001	38.357	ug/l	95
5) Bromomethane	2.598	94	160708	36.505	ug/l	99
6) Chloroethane	2.732	64	141950	40.790	ug/l	100
7) Trichlorofluoromethane	3.055	101	278916	41.394	ug/l	95
8) Diethyl Ether	3.451	74	79093	45.099	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.817	101	134240	36.726	ug/l	95
10) Methyl Iodide	4.006	142	243135	57.451	ug/l	97
11) Tert butyl alcohol	4.854	59	34418	198.042	ug/l	# 70
12) 1,1-Dichloroethene	3.787	96	164673	48.333	ug/l	97
13) Acrolein	3.653	56	19797	63.468	ug/l	85
14) Allyl chloride	4.384	41	183947	46.368	ug/l	98
15) Acrylonitrile	5.055	53	122512	190.816	ug/l	94
16) Acetone	3.860	43	119634	292.338	ug/l	96
17) Carbon Disulfide	4.104	76	407950	37.553	ug/l	99
18) Methyl Acetate	4.384	43	73336	49.593	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	355767	46.654	ug/l	# 24
20) Methylene Chloride	4.610	84	189209	47.268	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	173495	45.470	ug/l	99
22) Diisopropyl ether	6.018	45	400258	45.338	ug/l	97
23) Vinyl Acetate	5.963	43	515455m	108.337	ug/l	
24) 1,1-Dichloroethane	5.914	63	296805	48.502	ug/l	97
25) 2-Butanone	6.890	43	145573	201.737	ug/l	99
26) 2,2-Dichloropropane	6.884	77	241113	44.955	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	207137	48.550	ug/l	96
28) Bromochloromethane	7.243	49	91016	38.292	ug/l	86
29) Tetrahydrofuran	7.256	42	80262	171.257	ug/l	93
30) Chloroform	7.420	83	318290	46.891	ug/l	98
31) Cyclohexane	7.701	56	1616282	308.861	ug/l	94
32) 1,1,1-Trichloroethane	7.615	97	274119	44.637	ug/l	98
36) 1,1-Dichloropropene	7.835	75	190732	40.026	ug/l	98
37) Ethyl Acetate	6.981	43	55988	32.714	ug/l	97
38) Carbon Tetrachloride	7.817	117	229351	40.279	ug/l	98
39) Methylcyclohexane	9.109	83	9359573	1560.780	ug/l	95
40) Benzene	8.079	78	1099147	73.789	ug/l	98
41) Methacrylonitrile	7.213	41	30549	32.653	ug/l	# 82

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42) 1,2-Dichloroethane	8.158	62	149815	40.622	ug/l #	71
43) Isopropyl Acetate	8.195	43	294470	89.596	ug/l #	76
44) Trichloroethene	8.865	130	164474	39.864	ug/l	98
45) 1,2-Dichloropropane	9.139	63	218054	66.195	ug/l #	84
46) Dibromomethane	9.231	93	72082	34.956	ug/l	93
47) Bromodichloromethane	9.426	83	280762	54.502	ug/l	99
48) Methyl methacrylate	9.219	41	61910m	40.747	ug/l	
49) 1,4-Dioxane	9.231	88	14836	675.021	ug/l #	68
51) 4-Methyl-2-Pentanone	9.999	43	342007	198.506	ug/l	93
52) Toluene	10.176	92	9951143	1032.042	ug/l	87
53) t-1,3-Dichloropropene	10.395	75	154125	34.881	ug/l	90
54) cis-1,3-Dichloropropene	9.859	75	202257	38.507	ug/l #	54
55) 1,1,2-Trichloroethane	10.548	97	6047033	2195.343	ug/l #	21
56) Ethyl methacrylate	10.450	69	1203382	382.036	ug/l #	1
57) 1,3-Dichloropropane	10.718	76	160521	36.352	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	312436	202.868	ug/l	100
59) 2-Hexanone	10.737	43	4726398	4159.107	ug/l #	27
60) Dibromochloromethane	10.914	129	129750m	34.023	ug/l	
61) 1,2-Dibromoethane	11.017	107	96322	37.041	ug/l #	65
64) Tetrachloroethene	10.651	164	104128	33.011	ug/l	97
65) Chlorobenzene	11.444	112	347618	46.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.523	131	131547	49.972	ug/l	100
67) Ethyl Benzene	11.511	91	21823530m	1784.183	ug/l	
68) m/p-Xylenes	11.621	106	25119489m	5160.919	ug/l	
69) o-Xylene	11.950	106	20242260m	4512.240	ug/l	
70) Styrene	11.968	104	2123732	281.951	ug/l #	1
71) Bromoform	12.133	173	69078	45.135	ug/l #	99
73) Isopropylbenzene	12.261	105	12793315	505.302	ug/l	95
74) N-amyl acetate	12.060	43	9596496	2206.136	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.468	83	1839931	431.042	ug/l #	63
76) 1,2,3-Trichloropropane	12.560	75	111473	34.342	ug/l #	100
77) Bromobenzene	12.535	156	119288	18.646	ug/l #	17
78) n-propylbenzene	12.590	91	21576462m	715.612	ug/l	
79) 2-Chlorotoluene	12.669	91	14561795	830.455	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.736	105	19800878m	949.189	ug/l	
81) trans-1,4-Dichloro-2-b...	12.304	75	30447	22.589	ug/l #	1
82) 4-Chlorotoluene	12.755	91	2549489	139.868	ug/l #	47
83) tert-Butylbenzene	13.023	119	331982m	17.745	ug/l	
84) 1,2,4-Trimethylbenzene	13.035	105	26922328m	1290.272	ug/l	
85) sec-Butylbenzene	13.181	105	12829043	468.607	ug/l	80
86) p-Isopropyltoluene	13.297	119	7035572	302.642	ug/l	97
87) 1,3-Dichlorobenzene	13.291	146	111954	8.616	ug/l #	1
88) 1,4-Dichlorobenzene	13.377	146	117831	9.156	ug/l #	1
89) n-Butylbenzene	13.626	91	10374698	499.285	ug/l #	66
90) Hexachloroethane	13.901	117	2293377	449.011	ug/l #	12
91) 1,2-Dichlorobenzene	13.663	146	98090	8.655	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.261	75	64701	95.272	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.925	180	10917	1.700	ug/l #	64
95) Naphthalene	15.144	128	2278114	213.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.297	180	19658	3.546	ug/l #	1

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

