

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020872.D
 Acq On : 20 Jan 2025 11:06
 Operator : SY/MD
 Sample : VY0120SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0120SBS01

Quant Time: Jan 21 00:38:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	206075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	301119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	252265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	123034	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	86504	49.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.780%
35) Dibromofluoromethane	7.646	113	94286	49.980	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.960%
50) Toluene-d8	10.115	98	361187	54.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.840%
62) 4-Bromofluorobenzene	12.413	95	120519	49.627	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	99.260%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	26891	17.781	ug/l	98
3) Chloromethane	2.074	50	14214	17.850	ug/l	96
4) Vinyl Chloride	2.214	62	18190	20.548	ug/l	99
5) Bromomethane	2.610	94	11245	17.835	ug/l	98
6) Chloroethane	2.750	64	11514	21.090	ug/l	97
7) Trichlorofluoromethane	3.067	101	50644	18.640	ug/l	94
8) Diethyl Ether	3.464	74	15508	18.253	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.836	101	37030	20.183	ug/l	97
10) Methyl Iodide	4.019	142	36396	18.511	ug/l	96
11) Tert butyl alcohol	4.884	59	13367	100.995	ug/l #	94
12) 1,1-Dichloroethene	3.805	96	30099	18.730	ug/l	96
13) Acrolein	3.665	56	87451	2352.810	ug/l	97
14) Allyl chloride	4.403	41	44529	19.206	ug/l	94
15) Acrylonitrile	5.079	53	32406	89.744	ug/l	99
16) Acetone	3.884	43	22854	91.755	ug/l	93
17) Carbon Disulfide	4.122	76	58408	16.754	ug/l	100
18) Methyl Acetate	4.396	43	15787	18.772	ug/l	96
19) Methyl tert-butyl Ether	5.134	73	79970	17.633	ug/l	97
20) Methylene Chloride	4.628	84	32762	19.046	ug/l	95
21) trans-1,2-Dichloroethene	5.134	96	32067	18.120	ug/l	95
22) Diisopropyl ether	6.036	45	101543	20.560	ug/l	99
23) Vinyl Acetate	5.975	43	257145	94.429	ug/l	100
24) 1,1-Dichloroethane	5.933	63	63137	19.376	ug/l	98
25) 2-Butanone	6.908	43	37514	91.688	ug/l	97
26) 2,2-Dichloropropane	6.902	77	63043	18.634	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	41318	18.505	ug/l	97
28) Bromochloromethane	7.262	49	14732	16.755	ug/l	92
29) Tetrahydrofuran	7.274	42	24362	93.211	ug/l	94
30) Chloroform	7.433	83	71169	19.152	ug/l	94
31) Cyclohexane	7.713	56	49098	19.264	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	66883	18.452	ug/l	99
36) 1,1-Dichloropropene	7.847	75	46134	19.173	ug/l	99
37) Ethyl Acetate	7.000	43	17780	18.568	ug/l	99
38) Carbon Tetrachloride	7.829	117	61836	18.462	ug/l	96
39) Methylcyclohexane	9.121	83	56457	19.120	ug/l	100
40) Benzene	8.091	78	143697	19.458	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	11493	20.958	ug/l	91
42) 1,2-Dichloroethane	8.170	62	36703	18.199	ug/l	98
43) Isopropyl Acetate	8.207	43	36939	18.966	ug/l	97
44) Trichloroethene	8.871	130	40174	19.514	ug/l	99
45) 1,2-Dichloropropane	9.146	63	34383	20.537	ug/l	98
46) Dibromomethane	9.243	93	18424	19.164	ug/l	99
47) Bromodichloromethane	9.432	83	52990	19.246	ug/l	98
48) Methyl methacrylate	9.231	41	16105	18.445	ug/l	99
49) 1,4-Dioxane	9.243	88	3679	360.428	ug/l #	77
51) 4-Methyl-2-Pentanone	10.005	43	94841	97.472	ug/l	98
52) Toluene	10.182	92	95310	19.490	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	45750	18.682	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	54488	19.159	ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	27234	19.829	ug/l	94
56) Ethyl methacrylate	10.450	69	32046	18.475	ug/l	98
57) 1,3-Dichloropropane	10.725	76	44113	19.704	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	58553	85.092	ug/l	98
59) 2-Hexanone	10.767	43	59552	95.401	ug/l	96
60) Dibromochloromethane	10.920	129	37373	18.762	ug/l	100
61) 1,2-Dibromoethane	11.023	107	23498	19.057	ug/l	99
64) Tetrachloroethene	10.658	164	35520	19.151	ug/l	95
65) Chlorobenzene	11.450	112	107448	19.264	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.523	131	40081	18.877	ug/l	96
67) Ethyl Benzene	11.529	91	186812	19.346	ug/l	100
68) m/p-Xylenes	11.633	106	142512	38.331	ug/l	98
69) o-Xylene	11.962	106	68260	19.364	ug/l	96
70) Styrene	11.974	104	113584	19.141	ug/l	99
71) Bromoform	12.139	173	22509	18.648	ug/l #	100
73) Isopropylbenzene	12.261	105	188217	19.283	ug/l	99
74) N-ethyl acetate	12.078	43	30804	19.294	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	28862	19.510	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	22512m	20.912	ug/l	
77) Bromobenzene	12.541	156	43250	19.219	ug/l	99
78) n-propylbenzene	12.602	91	218712	19.742	ug/l	99
79) 2-Chlorotoluene	12.688	91	125157	19.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	152915	19.332	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	9402	18.415	ug/l	98
82) 4-Chlorotoluene	12.785	91	128248	19.479	ug/l	98
83) tert-Butylbenzene	13.005	119	141748	19.160	ug/l	99
84) 1,2,4-Trimethylbenzene	13.053	105	151308	19.588	ug/l	99
85) sec-Butylbenzene	13.182	105	203449	19.688	ug/l	100
86) p-Isopropyltoluene	13.297	119	169116	19.184	ug/l	99
87) 1,3-Dichlorobenzene	13.297	146	86592	19.804	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	83373	19.370	ug/l	99
89) n-Butylbenzene	13.627	91	148627	19.434	ug/l	98
90) Hexachloroethane	13.889	117	33592	18.977	ug/l	98
91) 1,2-Dichlorobenzene	13.669	146	74014	19.360	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4253	17.780	ug/l	95
93) 1,2,4-Trichlorobenzene	14.931	180	41973	19.077	ug/l	99
94) Hexachlorobutadiene	15.035	225	28903	18.634	ug/l	99
95) Naphthalene	15.157	128	63420	17.514	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	34405	18.665	ug/l	98

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

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

