

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
 Data File : VY020892.D
 Acq On : 22 Jan 2025 10:21
 Operator : SY/MD
 Sample : VY0122SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Quant Time: Jan 23 00:42:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.731	168	218027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.640	114	318757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.438	117	264694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.365	152	130028	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.091	65	92371	49.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.700%
35) Dibromofluoromethane	7.658	113	102774	51.465	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.920%
50) Toluene-d8	10.127	98	379416	54.502	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.000%
62) 4-Bromofluorobenzene	12.426	95	126699	49.284	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	98.560%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.879	85	26306	16.440	ug/l	98
3) Chloromethane	2.086	50	17578	20.864	ug/l	98
4) Vinyl Chloride	2.226	62	20507	21.896	ug/l #	87
5) Bromomethane	2.623	94	11939	17.898	ug/l	99
6) Chloroethane	2.757	64	12844	22.237	ug/l	93
7) Trichlorofluoromethane	3.092	101	53585	18.642	ug/l	96
8) Diethyl Ether	3.482	74	15930	17.722	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.848	101	38426	19.795	ug/l	98
10) Methyl Iodide	4.037	142	47034	22.610	ug/l	94
11) Tert butyl alcohol	4.909	59	12947m	92.459	ug/l	
12) 1,1-Dichloroethene	3.824	96	31183	18.340	ug/l	96
13) Acrolein	3.690	56	102993	2619.057	ug/l	97
14) Allyl chloride	4.421	41	46712	19.043	ug/l	94
15) Acrylonitrile	5.104	53	35448	92.787	ug/l	98
16) Acetone	3.909	43	23432	88.918	ug/l	99
17) Carbon Disulfide	4.147	76	59621	16.164	ug/l	99
18) Methyl Acetate	4.421	43	16895	18.988	ug/l	93
19) Methyl tert-butyl Ether	5.153	73	83290	17.358	ug/l	97
20) Methylene Chloride	4.653	84	33952	18.656	ug/l	96
21) trans-1,2-Dichloroethene	5.153	96	33384	17.830	ug/l	96
22) Diisopropyl ether	6.055	45	107731	20.617	ug/l	97
23) Vinyl Acetate	5.994	43	275920	95.770	ug/l	96
24) 1,1-Dichloroethane	5.951	63	66356	19.248	ug/l	98
25) 2-Butanone	6.927	43	39567	91.404	ug/l	98
26) 2,2-Dichloropropane	6.921	77	65997	18.438	ug/l	98
27) cis-1,2-Dichloroethene	6.927	96	43497	18.413	ug/l	97
28) Bromochloromethane	7.280	49	15150	16.286	ug/l	95
29) Tetrahydrofuran	7.299	42	26305	95.127	ug/l	93
30) Chloroform	7.451	83	73237	18.628	ug/l	99
31) Cyclohexane	7.731	56	51684	19.167	ug/l	97
32) 1,1,1-Trichloroethane	7.646	97	69898	18.227	ug/l	99
36) 1,1-Dichloropropene	7.866	75	47593	18.685	ug/l	99
37) Ethyl Acetate	7.012	43	19474	19.212	ug/l	97
38) Carbon Tetrachloride	7.847	117	65596	18.500	ug/l	99
39) Methylcyclohexane	9.134	83	57584	18.423	ug/l	99
40) Benzene	8.109	78	150777	19.287	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.250	41	12527	21.580	ug/l	93
42) 1,2-Dichloroethane	8.183	62	39260	18.390	ug/l	100
43) Isopropyl Acetate	8.219	43	38528	18.687	ug/l	98
44) Trichloroethene	8.890	130	41127	18.872	ug/l	92
45) 1,2-Dichloropropane	9.164	63	35611	20.094	ug/l	96
46) Dibromomethane	9.256	93	19385	19.048	ug/l	99
47) Bromodichloromethane	9.445	83	55237	18.952	ug/l	99
48) Methyl methacrylate	9.243	41	16637	18.000	ug/l	98
49) 1,4-Dioxane	9.268	88	3489	322.900	ug/l #	73
51) 4-Methyl-2-Pentanone	10.018	43	97400	94.563	ug/l	98
52) Toluene	10.188	92	99044	19.132	ug/l	100
53) t-1,3-Dichloropropene	10.414	75	47346	18.264	ug/l	99
54) cis-1,3-Dichloropropene	9.877	75	56091	18.631	ug/l	97
55) 1,1,2-Trichloroethane	10.591	97	28281	19.452	ug/l	93
56) Ethyl methacrylate	10.457	69	33104	18.029	ug/l	98
57) 1,3-Dichloropropane	10.737	76	45785	19.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.731	63	58665	80.537	ug/l	98
59) 2-Hexanone	10.780	43	59979	90.768	ug/l	96
60) Dibromochloromethane	10.932	129	39891	18.918	ug/l	100
61) 1,2-Dibromoethane	11.036	107	24468	18.746	ug/l	98
64) Tetrachloroethene	10.670	164	36522	18.767	ug/l	98
65) Chlorobenzene	11.463	112	110175	18.826	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.536	131	41942	18.826	ug/l	98
67) Ethyl Benzene	11.536	91	188645	18.618	ug/l	99
68) m/p-Xylenes	11.652	106	144619	37.071	ug/l	100
69) o-Xylene	11.975	106	68470	18.511	ug/l	97
70) Styrene	11.987	104	115385	18.532	ug/l	99
71) Bromoform	12.151	173	22775	17.982	ug/l #	96
73) Isopropylbenzene	12.273	105	189963	18.415	ug/l	100
74) N-amyl acetate	12.090	43	29697	17.600	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.523	83	30656	19.608	ug/l	98
76) 1,2,3-Trichloropropane	12.572	75	22088m	19.414	ug/l	
77) Bromobenzene	12.554	156	43282	18.199	ug/l	96
78) n-propylbenzene	12.615	91	224498	19.174	ug/l	99
79) 2-Chlorotoluene	12.700	91	127046	18.843	ug/l	99
80) 1,3,5-Trimethylbenzene	12.755	105	156687	18.743	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.322	75	9693	17.964	ug/l	98
82) 4-Chlorotoluene	12.798	91	130103	18.698	ug/l	99
83) tert-Butylbenzene	13.017	119	145596	18.621	ug/l	95
84) 1,2,4-Trimethylbenzene	13.060	105	150180	18.396	ug/l	98
85) sec-Butylbenzene	13.194	105	208524	19.093	ug/l	99
86) p-Isopropyltoluene	13.310	119	173499	18.623	ug/l	99
87) 1,3-Dichlorobenzene	13.310	146	86002	18.611	ug/l	99
88) 1,4-Dichlorobenzene	13.389	146	83415	18.338	ug/l	100
89) n-Butylbenzene	13.639	91	152669	18.889	ug/l	99
90) Hexachloroethane	13.901	117	34946	18.680	ug/l	96
91) 1,2-Dichlorobenzene	13.682	146	73274	18.135	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.297	75	3853	15.242	ug/l	92
93) 1,2,4-Trichlorobenzene	14.944	180	36597	15.739	ug/l	98
94) Hexachlorobutadiene	15.041	225	28169	17.184	ug/l	100
95) Naphthalene	15.163	128	56765	14.833	ug/l	99
96) 1,2,3-Trichlorobenzene	15.352	180	30666	15.741	ug/l	98

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

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