

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021503.D
 Acq On : 12 Mar 2025 12:27
 Operator : SY/MD
 Sample : VY0312SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Quant Time: Mar 13 01:36:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	211934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	339487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154973	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	112133	50.059	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.120%	
35) Dibromofluoromethane	7.628	113	109044	48.866	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.740%	
50) Toluene-d8	10.109	98	400619	47.415	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.840%	
62) 4-Bromofluorobenzene	12.407	95	137838	47.959	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.920%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.860	85	35420	18.212	ug/l	99
3) Chloromethane	2.068	50	55570	20.267	ug/l	99
4) Vinyl Chloride	2.202	62	60514	20.195	ug/l	99
5) Bromomethane	2.592	94	45055	20.805	ug/l	93
6) Chloroethane	2.732	64	45038	22.745	ug/l	96
7) Trichlorofluoromethane	3.055	101	85369	20.412	ug/l	100
8) Diethyl Ether	3.445	74	23178	19.998	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.805	101	45759	19.163	ug/l	98
10) Methyl Iodide	4.000	142	45907	18.913	ug/l	100
11) Tert butyl alcohol	4.860	59	14780	86.770	ug/l	95
12) 1,1-Dichloroethene	3.787	96	40855	18.767	ug/l	97
13) Acrolein	3.647	56	14700	129.020	ug/l	93
14) Allyl chloride	4.384	41	67166	19.091	ug/l	100
15) Acrylonitrile	5.061	53	49511	100.348	ug/l	99
16) Acetone	3.872	43	40211	82.304	ug/l	93
17) Carbon Disulfide	4.104	76	121684	17.835	ug/l	98
18) Methyl Acetate	4.378	43	21896	20.198	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	107495	19.481	ug/l	99
20) Methylene Chloride	4.616	84	50362	19.637	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	45945	18.845	ug/l	95
22) Diisopropyl ether	6.018	45	152496	20.113	ug/l	94
23) Vinyl Acetate	5.957	43	425364	98.303	ug/l	100
24) 1,1-Dichloroethane	5.914	63	89392	19.976	ug/l	99
25) 2-Butanone	6.890	43	62054	91.818	ug/l	100
26) 2,2-Dichloropropane	6.878	77	77502	18.823	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	54275	19.596	ug/l	98
28) Bromochloromethane	7.244	49	39517	21.064	ug/l	100
29) Tetrahydrofuran	7.262	42	40987	98.237	ug/l	99
30) Chloroform	7.414	83	93287	20.076	ug/l	97
31) Cyclohexane	7.701	56	74561	17.773	ug/l	95
32) 1,1,1-Trichloroethane	7.615	97	83345	19.589	ug/l	98
36) 1,1-Dichloropropene	7.829	75	63714	18.240	ug/l	99
37) Ethyl Acetate	6.981	43	28051	18.169	ug/l	99
38) Carbon Tetrachloride	7.817	117	75047	18.681	ug/l	97
39) Methylcyclohexane	9.109	83	73774	17.219	ug/l	99
40) Benzene	8.079	78	194153	18.869	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	15148	18.020	ug/l #	87
42) 1,2-Dichloroethane	8.158	62	57056	19.821	ug/l	99
43) Isopropyl Acetate	8.195	43	55438	18.498	ug/l #	87
44) Trichloroethene	8.859	130	49167	18.909	ug/l	99
45) 1,2-Dichloropropane	9.140	63	47371	19.344	ug/l	98
46) Dibromomethane	9.231	93	27081	19.874	ug/l	98
47) Bromodichloromethane	9.420	83	71329	19.712	ug/l	99
48) Methyl methacrylate	9.219	41	25919	18.834	ug/l	99
49) 1,4-Dioxane	9.225	88	5660	423.195	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	148282	95.891	ug/l	98
52) Toluene	10.170	92	123397	19.022	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	61649	19.337	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	71924	19.002	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	34679	19.456	ug/l	96
56) Ethyl methacrylate	10.438	69	42039	18.493	ug/l	100
57) 1,3-Dichloropropane	10.719	76	60638	19.629	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	83244	79.327	ug/l	99
59) 2-Hexanone	10.761	43	95646	93.542	ug/l	99
60) Dibromochloromethane	10.914	129	47230	19.328	ug/l	100
61) 1,2-Dibromoethane	11.017	107	32026	19.038	ug/l	96
64) Tetrachloroethene	10.645	164	52526	21.644	ug/l	96
65) Chlorobenzene	11.444	112	134258	19.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47112	18.908	ug/l	98
67) Ethyl Benzene	11.517	91	228402	18.465	ug/l	99
68) m/p-Xylenes	11.627	106	177080	37.707	ug/l	99
69) o-Xylene	11.956	106	81079	18.733	ug/l	98
70) Styrene	11.968	104	137753	19.185	ug/l	99
71) Bromoform	12.133	173	27238	19.556	ug/l #	98
73) Isopropylbenzene	12.255	105	218065	17.863	ug/l	99
74) N-amyl acetate	12.072	43	48096	18.141	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39058	18.131	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	30328m	19.421	ug/l	
77) Bromobenzene	12.529	156	52366	18.336	ug/l	99
78) n-propylbenzene	12.596	91	268787	18.130	ug/l	100
79) 2-Chlorotoluene	12.682	91	156166	18.422	ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	183532	18.500	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	11654	16.965	ug/l	97
82) 4-Chlorotoluene	12.779	91	163002	18.568	ug/l	100
83) tert-Butylbenzene	12.999	119	157634	17.811	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	183158	18.595	ug/l	99
85) sec-Butylbenzene	13.175	105	239424	18.183	ug/l	99
86) p-Isopropyltoluene	13.291	119	199547	18.394	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	104273	18.342	ug/l	98
88) 1,4-Dichlorobenzene	13.370	146	103649	18.643	ug/l	98
89) n-Butylbenzene	13.620	91	181908	18.159	ug/l	99
90) Hexachloroethane	13.883	117	42842	18.512	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	91467	18.772	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6019	18.652	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	49841	18.728	ug/l	99
94) Hexachlorobutadiene	15.029	225	31721	19.014	ug/l	99
95) Naphthalene	15.145	128	75925	18.900	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	42020	18.773	ug/l	98

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

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