

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021504.D
 Acq On : 12 Mar 2025 12:49
 Operator : SY/MD
 Sample : VY0312SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS02

Quant Time: Mar 13 01:36:38 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	166594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	270940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	243681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126839	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93834	53.291	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.580%	
35) Dibromofluoromethane	7.634	113	88330	49.598	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.200%	
50) Toluene-d8	10.109	98	324414	48.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.220%	
62) 4-Bromofluorobenzene	12.407	95	112812	49.182	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	35510	23.228	ug/l	93
3) Chloromethane	2.068	50	54309	25.197	ug/l	98
4) Vinyl Chloride	2.202	62	59317	25.184	ug/l	93
5) Bromomethane	2.592	94	44176	25.950	ug/l	94
6) Chloroethane	2.732	64	43527	27.964	ug/l	98
7) Trichlorofluoromethane	3.056	101	80787	24.573	ug/l	99
8) Diethyl Ether	3.452	74	23063	25.314	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	45200	24.081	ug/l	98
10) Methyl Iodide	4.000	142	48406	25.370	ug/l	99
11) Tert butyl alcohol	4.854	59	16364	132.332	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	41976	24.529	ug/l	94
13) Acrolein	3.653	56	16012	178.783	ug/l	93
14) Allyl chloride	4.385	41	67434	24.384	ug/l	99
15) Acrylonitrile	5.055	53	53854	138.856	ug/l	98
16) Acetone	3.872	43	43669	113.708	ug/l	95
17) Carbon Disulfide	4.104	76	121177	22.595	ug/l	98
18) Methyl Acetate	4.391	43	23655	27.760	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	113032	26.060	ug/l	99
20) Methylene Chloride	4.616	84	50185	24.894	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	47442	24.755	ug/l	94
22) Diisopropyl ether	6.018	45	155555	26.100	ug/l	98
23) Vinyl Acetate	5.957	43	449380	132.117	ug/l	99
24) 1,1-Dichloroethane	5.915	63	88930	25.282	ug/l	100
25) 2-Butanone	6.896	43	66180	124.574	ug/l	97
26) 2,2-Dichloropropane	6.884	77	77385	23.910	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	54489	25.027	ug/l	99
28) Bromochloromethane	7.244	49	37457	25.400	ug/l	99
29) Tetrahydrofuran	7.262	42	44689	136.260	ug/l	99
30) Chloroform	7.421	83	94130	25.771	ug/l	98
31) Cyclohexane	7.695	56	73644	22.332	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	81848	24.473	ug/l	99
36) 1,1-Dichloropropene	7.835	75	63359	22.728	ug/l	99
37) Ethyl Acetate	6.982	43	32299	26.214	ug/l	99
38) Carbon Tetrachloride	7.817	117	74101	23.113	ug/l	97
39) Methylcyclohexane	9.109	83	72029	21.064	ug/l	96
40) Benzene	8.079	78	195655	23.826	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	15869	23.653	ug/l	93
42) 1,2-Dichloroethane	8.158	62	57268	24.928	ug/l	99
43) Isopropyl Acetate	8.195	43	61325	25.639	ug/l #	89
44) Trichloroethene	8.865	130	49328	23.771	ug/l	98
45) 1,2-Dichloropropane	9.140	63	49174	25.160	ug/l	94
46) Dibromomethane	9.231	93	27046	24.870	ug/l	98
47) Bromodichloromethane	9.420	83	71581	24.786	ug/l	97
48) Methyl methacrylate	9.219	41	26740	24.346	ug/l	97
49) 1,4-Dioxane	9.231	88	6249	585.444	ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	162568	131.727	ug/l	100
52) Toluene	10.170	92	124579	24.062	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	63019	24.768	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	72864	24.120	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	35914	25.247	ug/l	97
56) Ethyl methacrylate	10.438	69	45260	24.947	ug/l	98
57) 1,3-Dichloropropane	10.719	76	61240	24.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	109516	130.766	ug/l	98
59) 2-Hexanone	10.761	43	104940	128.597	ug/l	98
60) Dibromochloromethane	10.908	129	48095	24.662	ug/l	99
61) 1,2-Dibromoethane	11.018	107	33701	25.102	ug/l	99
64) Tetrachloroethene	10.646	164	51793	26.138	ug/l	98
65) Chlorobenzene	11.444	112	134760	23.419	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	49250	24.208	ug/l	99
67) Ethyl Benzene	11.517	91	226613	22.437	ug/l	99
68) m/p-Xylenes	11.627	106	177473	46.283	ug/l	99
69) o-Xylene	11.956	106	81170	22.968	ug/l	97
70) Styrene	11.969	104	139521	23.798	ug/l	99
71) Bromoform	12.133	173	28538	25.093	ug/l #	99
73) Isopropylbenzene	12.255	105	217811	21.800	ug/l	100
74) N-amyl acetate	12.072	43	52356	24.129	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	41779	23.696	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	30383m	23.771	ug/l	
77) Bromobenzene	12.529	156	53255	22.783	ug/l	99
78) n-propylbenzene	12.596	91	268666	22.141	ug/l	99
79) 2-Chlorotoluene	12.682	91	157470	22.696	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	184539	22.727	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12497	22.227	ug/l	96
82) 4-Chlorotoluene	12.779	91	164432	22.886	ug/l	100
83) tert-Butylbenzene	12.999	119	161924	22.354	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	185186	22.971	ug/l	99
85) sec-Butylbenzene	13.176	105	241405	22.399	ug/l	99
86) p-Isopropyltoluene	13.291	119	199339	22.451	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	107266	23.054	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	105506	23.186	ug/l	99
89) n-Butylbenzene	13.621	91	181762	22.170	ug/l	100
90) Hexachloroethane	13.883	117	43582	23.009	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	92739	23.255	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6616	25.050	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	51459	23.624	ug/l	97
94) Hexachlorobutadiene	15.023	225	32132	23.533	ug/l	98
95) Naphthalene	15.145	128	84045	24.766	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	44927	24.524	ug/l	98

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

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