

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021513.D
 Acq On : 12 Mar 2025 16:43
 Operator : SY/MD
 Sample : VY0312SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0312SBS01

Quant Time: Mar 13 01:38:31 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	193371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	302147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	274186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143307	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111823	54.713	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.420%	
35) Dibromofluoromethane	7.634	113	106896	53.823	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.640%	
50) Toluene-d8	10.103	98	394505	52.462	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.920%	
62) 4-Bromofluorobenzene	12.408	95	137978	53.941	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.880%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	32423	18.272	ug/l	98
3) Chloromethane	2.068	50	46963	18.772	ug/l	97
4) Vinyl Chloride	2.202	62	54435	19.911	ug/l	100
5) Bromomethane	2.586	94	39696	20.090	ug/l	94
6) Chloroethane	2.732	64	40151	22.223	ug/l	98
7) Trichlorofluoromethane	3.056	101	83705	21.935	ug/l	99
8) Diethyl Ether	3.452	74	20216	19.116	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	41203	18.912	ug/l	97
10) Methyl Iodide	4.007	142	40184	18.144	ug/l	98
11) Tert butyl alcohol	4.854	59	13594	87.667	ug/l	98
12) 1,1-Dichloroethene	3.787	96	37877	19.069	ug/l	98
13) Acrolein	3.653	56	13034	125.380	ug/l	93
14) Allyl chloride	4.379	41	59357	18.491	ug/l	100
15) Acrylonitrile	5.061	53	45187	100.376	ug/l	98
16) Acetone	3.873	43	37805	84.807	ug/l	100
17) Carbon Disulfide	4.104	76	110999	17.831	ug/l	98
18) Methyl Acetate	4.379	43	19422	19.636	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	92242	18.322	ug/l	96
20) Methylene Chloride	4.616	84	48544	20.746	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	41076	18.465	ug/l	93
22) Diisopropyl ether	6.018	45	139292	20.135	ug/l	97
23) Vinyl Acetate	5.958	43	375333	95.067	ug/l	98
24) 1,1-Dichloroethane	5.915	63	80725	19.771	ug/l	97
25) 2-Butanone	6.890	43	56022	90.850	ug/l	99
26) 2,2-Dichloropropane	6.884	77	69475	18.493	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	48009	18.997	ug/l	100
28) Bromochloromethane	7.244	49	34475	20.141	ug/l	98
29) Tetrahydrofuran	7.256	42	36345	95.473	ug/l	98
30) Chloroform	7.421	83	86771	20.466	ug/l	99
31) Cyclohexane	7.701	56	67078	17.524	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	74735	19.252	ug/l	98
36) 1,1-Dichloropropene	7.835	75	58486	18.813	ug/l	99
37) Ethyl Acetate	6.982	43	26271	19.119	ug/l	99
38) Carbon Tetrachloride	7.817	117	67365	18.841	ug/l	96
39) Methylcyclohexane	9.109	83	64588	16.938	ug/l	97
40) Benzene	8.079	78	178809	19.525	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	13093	17.500	ug/l	94
42) 1,2-Dichloroethane	8.158	62	51737	20.194	ug/l	98
43) Isopropyl Acetate	8.195	43	51174	19.185	ug/l #	86
44) Trichloroethene	8.866	130	45118	19.496	ug/l	98
45) 1,2-Dichloropropane	9.140	63	43782	20.087	ug/l	97
46) Dibromomethane	9.231	93	24532	20.229	ug/l	98
47) Bromodichloromethane	9.420	83	64904	20.153	ug/l	99
48) Methyl methacrylate	9.219	41	23068	18.833	ug/l	97
49) 1,4-Dioxane	9.231	88	5153	432.902	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	133550	97.037	ug/l	98
52) Toluene	10.170	92	112172	19.428	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	54957	19.368	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	63999	18.998	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	32123	20.249	ug/l	98
56) Ethyl methacrylate	10.438	69	38686	19.121	ug/l	97
57) 1,3-Dichloropropane	10.719	76	55337	20.126	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	94361	101.034	ug/l	99
59) 2-Hexanone	10.762	43	85133	93.550	ug/l	98
60) Dibromochloromethane	10.908	129	42949	19.748	ug/l	100
61) 1,2-Dibromoethane	11.018	107	29651	19.804	ug/l	96
64) Tetrachloroethene	10.646	164	48040	21.547	ug/l	98
65) Chlorobenzene	11.444	112	121430	18.754	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	44398	19.395	ug/l	99
67) Ethyl Benzene	11.517	91	204139	17.963	ug/l	99
68) m/p-Xylenes	11.627	106	159029	36.859	ug/l	99
69) o-Xylene	11.956	106	72895	18.332	ug/l	100
70) Styrene	11.969	104	123962	18.791	ug/l	100
71) Bromoform	12.133	173	25097	19.612	ug/l #	98
73) Isopropylbenzene	12.255	105	193661	17.155	ug/l	100
74) N-amyl acetate	12.072	43	41240	16.822	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	36428	18.287	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	26936m	18.653	ug/l	
77) Bromobenzene	12.530	156	48274	18.279	ug/l	99
78) n-propylbenzene	12.597	91	241112	17.587	ug/l	100
79) 2-Chlorotoluene	12.682	91	140149	17.878	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	162223	17.683	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10507	16.540	ug/l	94
82) 4-Chlorotoluene	12.779	91	145561	17.931	ug/l	100
83) tert-Butylbenzene	12.999	119	142436	17.404	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	162346	17.824	ug/l	100
85) sec-Butylbenzene	13.176	105	213575	17.540	ug/l	99
86) p-Isopropyltoluene	13.292	119	174868	17.432	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	94907	18.053	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	93396	18.166	ug/l	99
89) n-Butylbenzene	13.615	91	161039	17.385	ug/l	99
90) Hexachloroethane	13.877	117	38640	18.056	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	83638	18.563	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5067	16.980	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	42181	17.140	ug/l	99
94) Hexachlorobutadiene	15.023	225	27746	17.986	ug/l	99
95) Naphthalene	15.145	128	64719	17.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	36181	17.480	ug/l	98

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

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