

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021378.D
 Acq On : 28 Feb 2025 11:55
 Operator : SY/MD
 Sample : VY0228SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/03/2025
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 22:19:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	161591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	254367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	224650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	113722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	95354	52.018	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.040%			
35) Dibromofluoromethane	7.634	113	86320	51.761	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.520%			
50) Toluene-d8	10.103	98	326831	50.711	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.407	95	108877	50.196	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	28814	18.807	ug/l	90
3) Chloromethane	2.068	50	37302	18.853	ug/l	99
4) Vinyl Chloride	2.202	62	39389	20.282	ug/l	98
5) Bromomethane	2.592	94	28843	22.349	ug/l	96
6) Chloroethane	2.732	64	26266	21.810	ug/l	99
7) Trichlorofluoromethane	3.055	101	61463	20.956	ug/l	93
8) Diethyl Ether	3.452	74	18568	21.093	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	33556	19.761	ug/l	98
10) Methyl Iodide	4.007	142	38121	21.339	ug/l	98
11) Tert butyl alcohol	4.866	59	14285	101.312	ug/l	98
12) 1,1-Dichloroethene	3.781	96	31875	19.605	ug/l	90
13) Acrolein	3.647	56	18050	167.054	ug/l	92
14) Allyl chloride	4.385	41	51494	17.863	ug/l	96
15) Acrylonitrile	5.061	53	41428	106.442	ug/l	99
16) Acetone	3.872	43	33758	96.003	ug/l	98
17) Carbon Disulfide	4.104	76	100353	18.587	ug/l	99
18) Methyl Acetate	4.385	43	17360	20.201	ug/l	93
19) Methyl tert-butyl Ether	5.116	73	91578	21.318	ug/l	98
20) Methylene Chloride	4.616	84	39772	20.916	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	36167	20.206	ug/l	95
22) Diisopropyl ether	6.018	45	119710	20.068	ug/l	98
23) Vinyl Acetate	5.957	43	358199	100.486	ug/l	99
24) 1,1-Dichloroethane	5.915	63	67848	20.180	ug/l	99
25) 2-Butanone	6.896	43	53048	99.959	ug/l	91
26) 2,2-Dichloropropane	6.884	77	59082	19.366	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	42835	20.957	ug/l	95
28) Bromochloromethane	7.244	49	28964	19.469	ug/l	95
29) Tetrahydrofuran	7.262	42	36075	103.996	ug/l	99
30) Chloroform	7.421	83	72949	21.413	ug/l	97
31) Cyclohexane	7.701	56	56798	17.574	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	63032	20.327	ug/l	99
36) 1,1-Dichloropropene	7.835	75	48989	19.556	ug/l	99
37) Ethyl Acetate	6.982	43	27404	21.993	ug/l	98
38) Carbon Tetrachloride	7.817	117	57088	20.271	ug/l	99
39) Methylcyclohexane	9.109	83	57350	18.101	ug/l	98
40) Benzene	8.079	78	152112	20.542	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	12479	17.912	ug/l	88
42) 1,2-Dichloroethane	8.158	62	46077	21.932	ug/l	100
43) Isopropyl Acetate	8.195	43	50020	20.739	ug/l	99
44) Trichloroethene	8.865	130	39180	21.133	ug/l	93
45) 1,2-Dichloropropane	9.140	63	35758	20.066	ug/l	99
46) Dibromomethane	9.231	93	21587	22.161	ug/l	98
47) Bromodichloromethane	9.420	83	55141	21.230	ug/l	99
48) Methyl methacrylate	9.219	41	22796	20.212	ug/l	95
49) 1,4-Dioxane	9.225	88	4654	429.690	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	130772	105.922	ug/l	99
52) Toluene	10.170	92	94620	20.569	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	49286	20.712	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	56761	20.205	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	28322	22.319	ug/l	98
56) Ethyl methacrylate	10.438	69	36060	20.566	ug/l	99
57) 1,3-Dichloropropane	10.719	76	48198	21.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	80853	96.070	ug/l	96
59) 2-Hexanone	10.761	43	86097	106.184	ug/l	100
60) Dibromochloromethane	10.908	129	37994	21.984	ug/l	99
61) 1,2-Dibromoethane	11.017	107	25584	21.296	ug/l	94
64) Tetrachloroethene	10.646	164	35766	21.064	ug/l	98
65) Chlorobenzene	11.444	112	104917	20.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	37477	21.224	ug/l	99
67) Ethyl Benzene	11.517	91	180004	20.152	ug/l	100
68) m/p-Xylenes	11.627	106	138760	41.301	ug/l	97
69) o-Xylene	11.956	106	64226	20.406	ug/l	99
70) Styrene	11.969	104	108635	20.745	ug/l	99
71) Bromoform	12.133	173	22766	22.537	ug/l #	99
73) Isopropylbenzene	12.255	105	168596	19.720	ug/l	100
74) N-amyl acetate	12.072	43	42086	19.367	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	31724	21.025	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	19664m	17.275	ug/l	
77) Bromobenzene	12.535	156	41959	21.100	ug/l	96
78) n-propylbenzene	12.596	91	204845	19.745	ug/l	99
79) 2-Chlorotoluene	12.682	91	119420	20.057	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	142974	20.390	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	9992	19.510	ug/l	97
82) 4-Chlorotoluene	12.779	91	122762	19.890	ug/l	98
83) tert-Butylbenzene	12.999	119	126402	19.956	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	141872	20.343	ug/l	99
85) sec-Butylbenzene	13.176	105	183161	19.797	ug/l	98
86) p-Isopropyltoluene	13.291	119	155959	20.188	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	82109	20.873	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	82645	21.267	ug/l	99
89) n-Butylbenzene	13.621	91	140075	19.267	ug/l	100
90) Hexachloroethane	13.883	117	31602	19.583	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	73160	21.228	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5075	21.262	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	42809	20.352	ug/l	99
94) Hexachlorobutadiene	15.023	225	26844	20.271	ug/l	99
95) Naphthalene	15.145	128	69596	19.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	37265	20.968	ug/l	99

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

