

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
 Data File : VY022202.D
 Acq On : 08 May 2025 10:46
 Operator : SY/MD
 Sample : VY0508SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/09/2025
 Supervised By :Semsettin Yesilyurt 05/09/2025

Quant Time: May 09 05:05:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	219469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	303164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	165648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102738	50.680	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.360%	
35) Dibromofluoromethane	7.634	113	111426	50.071	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.140%	
50) Toluene-d8	10.109	98	423719	50.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.000%	
62) 4-Bromofluorobenzene	12.408	95	140380	49.704	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	37110	19.844	ug/l	95
3) Chloromethane	2.068	50	56234	21.118	ug/l	95
4) Vinyl Chloride	2.202	62	68385	20.899	ug/l	99
5) Bromomethane	2.592	94	60803	21.568	ug/l	95
6) Chloroethane	2.732	64	48804	21.900	ug/l	98
7) Trichlorofluoromethane	3.056	101	86685	20.090	ug/l	97
8) Diethyl Ether	3.458	74	21545	19.184	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	48828	20.860	ug/l	96
10) Methyl Iodide	4.007	142	52270	19.287	ug/l	99
11) Tert butyl alcohol	4.854	59	11533	103.629	ug/l #	70
12) 1,1-Dichloroethene	3.793	96	44043	20.187	ug/l	96
13) Acrolein	3.653	56	10272	51.425	ug/l	100
14) Allyl chloride	4.385	41	51637	20.326	ug/l	98
15) Acrylonitrile	5.061	53	43355	105.449	ug/l	99
16) Acetone	3.872	43	41550	147.863	ug/l	98
17) Carbon Disulfide	4.104	76	135856	19.529	ug/l	97
18) Methyl Acetate	4.385	43	19169	20.243	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	96164	19.693	ug/l	95
20) Methylene Chloride	4.610	84	54108	21.108	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	49974	20.452	ug/l	97
22) Diisopropyl ether	6.024	45	123436	21.834	ug/l	98
23) Vinyl Acetate	5.957	43	326713	107.231	ug/l	98
24) 1,1-Dichloroethane	5.909	63	82667	21.095	ug/l	98
25) 2-Butanone	6.896	43	53055	114.815	ug/l	96
26) 2,2-Dichloropropane	6.884	77	74472	21.683	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55229	20.215	ug/l	97
28) Bromochloromethane	7.244	49	32716	21.494	ug/l	96
29) Tetrahydrofuran	7.262	42	32050	106.791	ug/l	97
30) Chloroform	7.421	83	91756	21.109	ug/l	96
31) Cyclohexane	7.701	56	68554	20.457	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	82001	20.852	ug/l	99
36) 1,1-Dichloropropene	7.835	75	65424	21.886	ug/l	97
37) Ethyl Acetate	6.982	43	24937	23.227	ug/l	95
38) Carbon Tetrachloride	7.817	117	76491	21.414	ug/l	97
39) Methylcyclohexane	9.109	83	75264	20.007	ug/l	95
40) Benzene	8.079	78	195421	20.913	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	11433	19.481	ug/l	91
42) 1,2-Dichloroethane	8.158	62	50237	21.714	ug/l	99
43) Isopropyl Acetate	8.195	43	45333	21.987	ug/l	97
44) Trichloroethene	8.865	130	53646	20.727	ug/l	88
45) 1,2-Dichloropropane	9.140	63	45113	21.831	ug/l	98
46) Dibromomethane	9.231	93	26943	20.828	ug/l	98
47) Bromodichloromethane	9.420	83	69237	21.425	ug/l	97
48) Methyl methacrylate	9.219	41	20176	21.168	ug/l	99
49) 1,4-Dioxane	9.231	88	6083	441.197	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	119042	110.142	ug/l	97
52) Toluene	10.170	92	126816	20.966	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	58088	20.956	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	69728	21.162	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	37499	21.702	ug/l	98
56) Ethyl methacrylate	10.438	69	39142	19.809	ug/l	97
57) 1,3-Dichloropropane	10.719	76	59958	21.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	98454	101.906	ug/l	99
59) 2-Hexanone	10.761	43	81301	114.046	ug/l	96
60) Dibromochloromethane	10.908	129	51436	21.501	ug/l	98
61) 1,2-Dibromoethane	11.011	107	34858	21.369	ug/l	98
64) Tetrachloroethene	10.646	164	60053	20.998	ug/l	97
65) Chlorobenzene	11.438	112	140819	20.771	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	51290	21.489	ug/l	99
67) Ethyl Benzene	11.517	91	224660	20.258	ug/l	99
68) m/p-Xylenes	11.627	106	183313	41.539	ug/l	98
69) o-Xylene	11.956	106	81737	20.095	ug/l	97
70) Styrene	11.969	104	142065	20.802	ug/l	99
71) Bromoform	12.133	173	30041	21.649	ug/l #	98
73) Isopropylbenzene	12.255	105	217899	19.689	ug/l	100
74) N-amyl acetate	12.072	43	38784	20.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	39572	21.208	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28948m	20.402	ug/l	
77) Bromobenzene	12.529	156	56639	20.254	ug/l	97
78) n-propylbenzene	12.596	91	271979	20.636	ug/l	99
79) 2-Chlorotoluene	12.682	91	156708	20.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	188508	20.673	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12525	21.258	ug/l	98
82) 4-Chlorotoluene	12.779	91	169019	21.213	ug/l	98
83) tert-Butylbenzene	12.999	119	163309	19.969	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	186308	20.427	ug/l	100
85) sec-Butylbenzene	13.176	105	247113	20.650	ug/l	99
86) p-Isopropyltoluene	13.291	119	204325	20.107	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	115391	20.316	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	114101	20.284	ug/l	100
89) n-Butylbenzene	13.615	91	182180	20.057	ug/l	99
90) Hexachloroethane	13.877	117	46773	20.950	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	102666	20.724	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6033	20.323	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	54239	19.321	ug/l	99
94) Hexachlorobutadiene	15.023	225	34969	20.246	ug/l	100
95) Naphthalene	15.145	128	81740	17.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	46098	19.024	ug/l	99

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

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