

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023695.D
 Acq On : 06 Nov 2025 10:07
 Operator : SY/MD
 Sample : VY1106SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:13:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	530734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	804208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	708727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	361529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	234984	51.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.800%			
35) Dibromofluoromethane	7.634	113	253337	50.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.820%			
50) Toluene-d8	10.109	98	964970	51.544	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.080%			
62) 4-Bromofluorobenzene	12.402	95	312769	51.661	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78458	22.520	ug/l	98
3) Chloromethane	2.074	50	109141	22.387	ug/l	100
4) Vinyl Chloride	2.208	62	135422	21.347	ug/l	100
5) Bromomethane	2.592	94	112682	21.116	ug/l	97
6) Chloroethane	2.733	64	93765	21.385	ug/l	99
7) Trichlorofluoromethane	3.056	101	185249	20.734	ug/l	97
8) Diethyl Ether	3.458	74	51931	21.675	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	102854	20.894	ug/l	99
10) Methyl Iodide	4.007	142	113826	19.582	ug/l	99
11) Tert butyl alcohol	4.860	59	40479	138.666	ug/l	95
12) 1,1-Dichloroethene	3.793	96	97751	20.614	ug/l	97
13) Acrolein	3.653	56	42259	112.629	ug/l	97
14) Allyl chloride	4.391	41	127122	22.025	ug/l	97
15) Acrylonitrile	5.061	53	103876	113.448	ug/l	98
16) Acetone	3.867	43	134251	119.299	ug/l	98
17) Carbon Disulfide	4.110	76	312454	21.469	ug/l	99
18) Methyl Acetate	4.385	43	52814	21.278	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	235388	21.408	ug/l	100
20) Methylene Chloride	4.616	84	126676	23.318	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	110973	20.756	ug/l	97
22) Diisopropyl ether	6.019	45	289564	22.515	ug/l	95
23) Vinyl Acetate	5.964	43	782248	113.978	ug/l	99
24) 1,1-Dichloroethane	5.921	63	182165	21.262	ug/l	99
25) 2-Butanone	6.896	43	154418	118.684	ug/l	99
26) 2,2-Dichloropropane	6.884	77	169719	21.535	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	129935	21.279	ug/l	98
28) Bromochloromethane	7.244	49	73608	22.438	ug/l	93
29) Tetrahydrofuran	7.268	42	78433	113.192	ug/l	97
30) Chloroform	7.421	83	203557	21.294	ug/l	98
31) Cyclohexane	7.707	56	157653	21.129	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	179510	21.010	ug/l	100
36) 1,1-Dichloropropene	7.835	75	138622	20.641	ug/l	98
37) Ethyl Acetate	6.988	43	55918	21.509	ug/l	99
38) Carbon Tetrachloride	7.823	117	159996	20.220	ug/l	98
39) Methylcyclohexane	9.110	83	172371	20.088	ug/l	96
40) Benzene	8.079	78	449187	21.220	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	25249	17.792	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	114582	21.395	ug/l	100
43) Isopropyl Acetate	8.201	43	105103	21.516	ug/l	97
44) Trichloroethene	8.866	130	125077	20.572	ug/l	97
45) 1,2-Dichloropropane	9.140	63	99344	21.264	ug/l	100
46) Dibromomethane	9.231	93	60952	21.056	ug/l	98
47) Bromodichloromethane	9.427	83	155359	21.287	ug/l	96
48) Methyl methacrylate	9.225	41	47946	20.775	ug/l	97
49) 1,4-Dioxane	9.231	88	12557	423.874	ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	285374	109.854	ug/l	100
52) Toluene	10.170	92	284543	21.054	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	131571	21.306	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	155558	21.025	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	82465	21.317	ug/l	98
56) Ethyl methacrylate	10.439	69	87872	20.616	ug/l	99
57) 1,3-Dichloropropane	10.719	76	131721	21.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	199771	102.140	ug/l	98
59) 2-Hexanone	10.762	43	217163	114.583	ug/l	98
60) Dibromochloromethane	10.908	129	109270	20.558	ug/l	99
61) 1,2-Dibromoethane	11.012	107	77170	21.256	ug/l	98
64) Tetrachloroethene	10.646	164	147935	20.054	ug/l	98
65) Chlorobenzene	11.444	112	314254	20.368	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	111820	20.496	ug/l	99
67) Ethyl Benzene	11.518	91	512468	20.522	ug/l	98
68) m/p-Xylenes	11.627	106	411043	41.199	ug/l	98
69) o-Xylene	11.957	106	185795	20.146	ug/l	96
70) Styrene	11.969	104	313455	20.599	ug/l	99
71) Bromoform	12.133	173	66762	20.952	ug/l #	99
73) Isopropylbenzene	12.255	105	492540	20.370	ug/l	99
74) N-amyl acetate	12.066	43	84670	20.683	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	83292	21.568	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	60991m	20.845	ug/l	
77) Bromobenzene	12.530	156	128267	20.451	ug/l	97
78) n-propylbenzene	12.591	91	593032	20.851	ug/l	100
79) 2-Chlorotoluene	12.676	91	341687	20.703	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	411072	20.924	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	27099	20.931	ug/l	99
82) 4-Chlorotoluene	12.773	91	354923	20.852	ug/l	99
83) tert-Butylbenzene	12.993	119	355748	19.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	409701	21.055	ug/l	100
85) sec-Butylbenzene	13.176	105	526700	20.409	ug/l	100
86) p-Isopropyltoluene	13.292	119	446213	20.424	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	253116	20.504	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	247228	20.388	ug/l	98
89) n-Butylbenzene	13.615	91	387010	20.371	ug/l	100
90) Hexachloroethane	13.877	117	96893	20.638	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	218487	20.537	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12395	20.846	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	124045	20.385	ug/l	99
94) Hexachlorobutadiene	15.023	225	79566	19.956	ug/l	99
95) Naphthalene	15.145	128	181092	20.493	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	105148	20.682	ug/l	100

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

