

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023694.D
 Acq On : 06 Nov 2025 09:44
 Operator : SY/MD
 Sample : VY1106SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 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 04:12:38 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	7.707	168	546965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	822052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	728273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	370507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	242468	51.968	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.940%			
35) Dibromofluoromethane	7.634	113	259210	50.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.920%			
50) Toluene-d8	10.109	98	985886	51.518	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.040%			
62) 4-Bromofluorobenzene	12.408	95	319171	51.574	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78967	21.994	ug/l	99
3) Chloromethane	2.074	50	107661	21.428	ug/l	97
4) Vinyl Chloride	2.208	62	134392	20.556	ug/l	97
5) Bromomethane	2.592	94	117581	21.380	ug/l	95
6) Chloroethane	2.739	64	91753	20.305	ug/l	98
7) Trichlorofluoromethane	3.062	101	189562	20.587	ug/l	99
8) Diethyl Ether	3.452	74	50370	20.399	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	104966	20.691	ug/l	99
10) Methyl Iodide	4.007	142	108530	18.117	ug/l	99
11) Tert butyl alcohol	4.866	59	38479	127.903	ug/l	99
12) 1,1-Dichloroethene	3.793	96	99690	20.399	ug/l	99
13) Acrolein	3.653	56	41937	108.454	ug/l	100
14) Allyl chloride	4.385	41	123982	20.843	ug/l	99
15) Acrylonitrile	5.061	53	101471	107.532	ug/l	100
16) Acetone	3.867	43	134180	115.698	ug/l	95
17) Carbon Disulfide	4.110	76	315546	21.038	ug/l	98
18) Methyl Acetate	4.385	43	54558	21.328	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	231620	20.440	ug/l	100
20) Methylene Chloride	4.616	84	123256	22.015	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	115227	20.912	ug/l	98
22) Diisopropyl ether	6.019	45	284548	21.468	ug/l	95
23) Vinyl Acetate	5.964	43	754551	106.680	ug/l	98
24) 1,1-Dichloroethane	5.915	63	184976	20.949	ug/l	99
25) 2-Butanone	6.896	43	153816	114.713	ug/l	98
26) 2,2-Dichloropropane	6.890	77	170334	20.971	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	127356	20.238	ug/l	97
28) Bromochloromethane	7.250	49	72254	21.371	ug/l	96
29) Tetrahydrofuran	7.262	42	75848	106.214	ug/l	98
30) Chloroform	7.421	83	203045	20.610	ug/l	100
31) Cyclohexane	7.707	56	160093	20.819	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	179418	20.376	ug/l	99
36) 1,1-Dichloropropene	7.835	75	140152	20.416	ug/l	98
37) Ethyl Acetate	6.988	43	56444	21.240	ug/l	100
38) Carbon Tetrachloride	7.817	117	165543	20.467	ug/l	98
39) Methylcyclohexane	9.109	83	172882	19.710	ug/l	94
40) Benzene	8.079	78	444410	20.538	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	24395	16.817	ug/l #	70
42) 1,2-Dichloroethane	8.158	62	113361	20.708	ug/l	100
43) Isopropyl Acetate	8.201	43	102806	20.589	ug/l	99
44) Trichloroethene	8.866	130	124443	20.023	ug/l	99
45) 1,2-Dichloropropane	9.140	63	99224	20.778	ug/l	98
46) Dibromomethane	9.231	93	61277	20.709	ug/l	96
47) Bromodichloromethane	9.420	83	154311	20.684	ug/l	97
48) Methyl methacrylate	9.219	41	48437	20.532	ug/l	99
49) 1,4-Dioxane	9.225	88	12521	413.484	ug/l #	96
51) 4-Methyl-2-Pentanone	10.000	43	281999	106.199	ug/l	98
52) Toluene	10.170	92	286343	20.728	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	128491	20.355	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	155449	20.554	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	82212	20.790	ug/l	97
56) Ethyl methacrylate	10.438	69	84068	19.296	ug/l	98
57) 1,3-Dichloropropane	10.719	76	129138	20.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	197363	98.718	ug/l	97
59) 2-Hexanone	10.762	43	210576	108.695	ug/l	99
60) Dibromochloromethane	10.914	129	109268	20.111	ug/l	100
61) 1,2-Dibromoethane	11.018	107	77104	20.777	ug/l	98
64) Tetrachloroethene	10.646	164	150279	19.825	ug/l	97
65) Chlorobenzene	11.444	112	315324	19.889	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	110820	19.767	ug/l	99
67) Ethyl Benzene	11.518	91	510207	19.883	ug/l	95
68) m/p-Xylenes	11.627	106	411539	40.142	ug/l	99
69) o-Xylene	11.957	106	185778	19.603	ug/l	97
70) Styrene	11.969	104	309544	19.796	ug/l	100
71) Bromoform	12.133	173	65110	19.885	ug/l #	99
73) Isopropylbenzene	12.255	105	486116	19.617	ug/l	100
74) N-amyl acetate	12.072	43	80659	19.225	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	80993	20.465	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61459m	20.496	ug/l	
77) Bromobenzene	12.536	156	124256	19.331	ug/l	95
78) n-propylbenzene	12.597	91	587824	20.167	ug/l	98
79) 2-Chlorotoluene	12.676	91	336096	19.871	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	406541	20.192	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25406	19.148	ug/l	94
82) 4-Chlorotoluene	12.780	91	356437	20.434	ug/l	98
83) tert-Butylbenzene	12.999	119	357699	19.507	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	400981	20.108	ug/l	100
85) sec-Butylbenzene	13.176	105	527410	19.941	ug/l	100
86) p-Isopropyltoluene	13.292	119	441370	19.713	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	246260	19.465	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	241645	19.444	ug/l	98
89) n-Butylbenzene	13.615	91	380306	19.533	ug/l	99
90) Hexachloroethane	13.877	117	92548	19.234	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	214611	19.684	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12163	19.960	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	117937	18.912	ug/l	99
94) Hexachlorobutadiene	15.023	225	77357	18.932	ug/l	98
95) Naphthalene	15.145	128	170346	19.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	101868	19.551	ug/l	99

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

