

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023681.D
 Acq On : 05 Nov 2025 10:27
 Operator : SY/MD
 Sample : VY1105SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1105SBS01

Quant Time: Nov 06 03:26:11 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

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
 Supervised By :Mahesh Dadoda 11/06/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	549402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	815577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	711939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	362731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	236173	50.395	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.780%			
35) Dibromofluoromethane	7.634	113	255886	50.205	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.420%			
50) Toluene-d8	10.109	98	983394	51.796	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.600%			
62) 4-Bromofluorobenzene	12.407	95	316262	51.509	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	77357	21.450	ug/l	100
3) Chloromethane	2.074	50	107933	21.387	ug/l	99
4) Vinyl Chloride	2.208	62	133661	20.353	ug/l	99
5) Bromomethane	2.592	94	117095	21.198	ug/l	98
6) Chloroethane	2.738	64	92972	20.484	ug/l	98
7) Trichlorofluoromethane	3.055	101	190082	20.552	ug/l	99
8) Diethyl Ether	3.452	74	48496	19.553	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	105760	20.755	ug/l	99
10) Methyl Iodide	4.007	142	106040	17.622	ug/l	99
11) Tert butyl alcohol	4.854	59	39585	130.996	ug/l	99
12) 1,1-Dichloroethene	3.793	96	98296	20.025	ug/l	98
13) Acrolein	3.653	56	40917	105.346	ug/l	99
14) Allyl chloride	4.385	41	121652	20.361	ug/l	99
15) Acrylonitrile	5.061	53	96116	101.406	ug/l	97
16) Acetone	3.872	43	125223	107.496	ug/l	98
17) Carbon Disulfide	4.110	76	311893	20.702	ug/l	99
18) Methyl Acetate	4.385	43	48174	18.749	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	226044	19.859	ug/l	96
20) Methylene Chloride	4.616	84	117278	20.855	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	113785	20.559	ug/l	97
22) Diisopropyl ether	6.018	45	278093	20.888	ug/l	96
23) Vinyl Acetate	5.964	43	727385	102.383	ug/l	100
24) 1,1-Dichloroethane	5.915	63	179911	20.285	ug/l	98
25) 2-Butanone	6.896	43	140533	104.342	ug/l	100
26) 2,2-Dichloropropane	6.884	77	170977	20.957	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125484	19.852	ug/l	96
28) Bromochloromethane	7.244	49	69828	20.562	ug/l	95
29) Tetrahydrofuran	7.268	42	68984	96.173	ug/l	98
30) Chloroform	7.421	83	199947	20.205	ug/l	97
31) Cyclohexane	7.707	56	156864	20.309	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	180320	20.388	ug/l	100
36) 1,1-Dichloropropene	7.841	75	139037	20.415	ug/l	99
37) Ethyl Acetate	6.988	43	51597	19.570	ug/l	99
38) Carbon Tetrachloride	7.817	117	164725	20.528	ug/l	97
39) Methylcyclohexane	9.109	83	172959	19.875	ug/l	98
40) Benzene	8.079	78	444791	20.719	ug/l	98

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41) Methacrylonitrile	7.244	41	32286m	22.434	ug/l	
42) 1,2-Dichloroethane	8.158	62	110115	20.274	ug/l	99
43) Isopropyl Acetate	8.201	43	98865	19.957	ug/l	99
44) Trichloroethene	8.865	130	122824	19.920	ug/l	96
45) 1,2-Dichloropropane	9.140	63	95258	20.105	ug/l	96
46) Dibromomethane	9.231	93	58881	20.057	ug/l	99
47) Bromodichloromethane	9.426	83	149347	20.178	ug/l	99
48) Methyl methacrylate	9.219	41	45204	19.314	ug/l	99
49) 1,4-Dioxane	9.231	88	12188	405.683	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	261601	99.299	ug/l	100
52) Toluene	10.170	92	284696	20.772	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	123037	19.646	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	151848	20.237	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	79773	20.334	ug/l	94
56) Ethyl methacrylate	10.438	69	82311	19.042	ug/l	100
57) 1,3-Dichloropropane	10.719	76	124412	19.993	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	189252	95.413	ug/l	100
59) 2-Hexanone	10.761	43	196007	101.978	ug/l	98
60) Dibromochloromethane	10.914	129	106694	19.793	ug/l	100
61) 1,2-Dibromoethane	11.017	107	73733	20.026	ug/l	98
64) Tetrachloroethene	10.646	164	147519	19.908	ug/l	98
65) Chlorobenzene	11.444	112	314880	20.316	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	107849	19.679	ug/l	97
67) Ethyl Benzene	11.517	91	508281	20.263	ug/l	97
68) m/p-Xylenes	11.627	106	408721	40.782	ug/l	98
69) o-Xylene	11.956	106	182822	19.734	ug/l	96
70) Styrene	11.969	104	309154	20.225	ug/l	99
71) Bromoform	12.133	173	63326	19.784	ug/l #	99
73) Isopropylbenzene	12.255	105	484187	19.958	ug/l	100
74) N-amyl acetate	12.072	43	76109	18.530	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	76032	19.623	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	59716m	20.342	ug/l	
77) Bromobenzene	12.536	156	125138	19.886	ug/l	97
78) n-propylbenzene	12.596	91	583608	20.452	ug/l	99
79) 2-Chlorotoluene	12.682	91	334508	20.201	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	402719	20.431	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	24549	18.899	ug/l	97
82) 4-Chlorotoluene	12.779	91	349743	20.480	ug/l	99
83) tert-Butylbenzene	12.999	119	355623	19.809	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	399396	20.458	ug/l	100
85) sec-Butylbenzene	13.176	105	527047	20.354	ug/l	100
86) p-Isopropyltoluene	13.291	119	440628	20.102	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	244964	19.778	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	239016	19.645	ug/l	98
89) n-Butylbenzene	13.615	91	379118	19.890	ug/l	99
90) Hexachloroethane	13.877	117	91984	19.527	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	211063	19.774	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11300	18.941	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	111597	18.279	ug/l	99
94) Hexachlorobutadiene	15.023	225	77450	19.361	ug/l	97
95) Naphthalene	15.145	128	155447	18.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	93740	18.377	ug/l	99

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

