

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023622.D
 Acq On : 30 Oct 2025 10:36
 Operator : SY/MD
 Sample : VY1030SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1030SBS01

Quant Time: Oct 31 02:35:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/31/2025
 Supervised By :Mahesh Dadoda 10/31/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	459671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	679981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	588601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	307493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	187438	48.763	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.520%		
35) Dibromofluoromethane	7.634	113	215074	51.476	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.960%		
50) Toluene-d8	10.109	98	784064	50.390	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.780%		
62) 4-Bromofluorobenzene	12.401	95	256116	49.856	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	69638	21.047	ug/l	98
3) Chloromethane	2.074	50	91679	20.340	ug/l	100
4) Vinyl Chloride	2.208	62	118744	20.227	ug/l	97
5) Bromomethane	2.598	94	101139	20.529	ug/l	97
6) Chloroethane	2.739	64	84963	21.231	ug/l	98
7) Trichlorofluoromethane	3.062	101	169829	20.835	ug/l	99
8) Diethyl Ether	3.458	74	43940	20.629	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	97149	22.967	ug/l	99
10) Methyl Iodide	4.007	142	103415	21.961	ug/l	100
11) Tert butyl alcohol	4.866	59	24403	85.337	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	90723	22.126	ug/l	94
13) Acrolein	3.659	56	17727	43.871	ug/l	98
14) Allyl chloride	4.391	41	109658	21.944	ug/l	98
15) Acrylonitrile	5.061	53	84535	103.707	ug/l	99
16) Acetone	3.873	43	125341	136.970	ug/l	98
17) Carbon Disulfide	4.110	76	244039	20.795	ug/l	100
18) Methyl Acetate	4.391	43	44209	18.417	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	200607	20.356	ug/l	98
20) Methylene Chloride	4.622	84	104585	21.136	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	98902	21.908	ug/l	95
22) Diisopropyl ether	6.018	45	255018	23.071	ug/l	93
23) Vinyl Acetate	5.970	43	641109	107.153	ug/l	99
24) 1,1-Dichloroethane	5.921	63	169305	23.123	ug/l	96
25) 2-Butanone	6.896	43	130303	116.635	ug/l	95
26) 2,2-Dichloropropane	6.890	77	156784	23.336	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	117449	22.523	ug/l	99
28) Bromochloromethane	7.250	49	61199	22.389	ug/l	97
29) Tetrahydrofuran	7.268	42	60118	94.895	ug/l	99
30) Chloroform	7.427	83	186695	23.207	ug/l	99
31) Cyclohexane	7.707	56	139846	21.870	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	170215	23.283	ug/l	99
36) 1,1-Dichloropropene	7.841	75	126319	22.837	ug/l	98
37) Ethyl Acetate	6.988	43	44397	20.260	ug/l	97
38) Carbon Tetrachloride	7.823	117	155145	23.131	ug/l	98
39) Methylcyclohexane	9.109	83	155883	21.644	ug/l	95
40) Benzene	8.085	78	407587	23.267	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	22212	18.741	ug/l	92
42) 1,2-Dichloroethane	8.158	62	99637	22.054	ug/l	100
43) Isopropyl Acetate	8.201	43	86806	19.865	ug/l	99
44) Trichloroethene	8.866	130	115895	22.604	ug/l	95
45) 1,2-Dichloropropane	9.146	63	90028	23.268	ug/l	99
46) Dibromomethane	9.231	93	54135	22.126	ug/l	97
47) Bromodichloromethane	9.426	83	139891	22.702	ug/l	98
48) Methyl methacrylate	9.225	41	40241	19.603	ug/l	99
49) 1,4-Dioxane	9.231	88	10102	356.120	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	225713	99.976	ug/l	98
52) Toluene	10.170	92	261425	22.985	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	114172	21.309	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	139983	22.137	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	72889	22.154	ug/l	95
56) Ethyl methacrylate	10.438	69	73151	19.275	ug/l	99
57) 1,3-Dichloropropane	10.719	76	114330	21.929	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	167064	98.265	ug/l	99
59) 2-Hexanone	10.762	43	177538	110.037	ug/l	98
60) Dibromochloromethane	10.914	129	99923	21.662	ug/l	100
61) 1,2-Dibromoethane	11.018	107	65766	20.960	ug/l	99
64) Tetrachloroethene	10.646	164	136363	22.437	ug/l	96
65) Chlorobenzene	11.444	112	289053	22.579	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	103496	22.687	ug/l	99
67) Ethyl Benzene	11.518	91	469846	22.674	ug/l	100
68) m/p-Xylenes	11.627	106	381976	45.957	ug/l	98
69) o-Xylene	11.956	106	173592	22.267	ug/l	100
70) Styrene	11.969	104	290263	22.641	ug/l	100
71) Bromoform	12.133	173	59960	21.189	ug/l	99
73) Isopropylbenzene	12.255	105	461059	22.752	ug/l	99
74) N-amyl acetate	12.072	43	70102	19.260	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	70253	21.197	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	52478m	19.344	ug/l	
77) Bromobenzene	12.530	156	118552	22.006	ug/l	98
78) n-propylbenzene	12.597	91	549817	23.447	ug/l	99
79) 2-Chlorotoluene	12.676	91	316917	23.078	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	375738	22.946	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	22289	20.147	ug/l	96
82) 4-Chlorotoluene	12.773	91	326170	23.063	ug/l	100
83) tert-Butylbenzene	12.999	119	343249	22.703	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	377228	23.083	ug/l	98
85) sec-Butylbenzene	13.176	105	506562	23.357	ug/l	99
86) p-Isopropyltoluene	13.292	119	424544	22.991	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	234716	22.374	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	231425	22.336	ug/l	99
89) n-Butylbenzene	13.615	91	366275	22.764	ug/l	98
90) Hexachloroethane	13.877	117	91854	23.127	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	204092	22.190	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10894	20.032	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	117924	20.566	ug/l	100
94) Hexachlorobutadiene	15.023	225	81151	22.704	ug/l	99
95) Naphthalene	15.145	128	166148	18.197	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	98543	19.841	ug/l	99

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

