

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023831.D
 Acq On : 01 Dec 2025 09:37
 Operator : SY/MD
 Sample : VY1201SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1201SBS01

Quant Time: Dec 02 03:12:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	535284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	821167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	693280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	360194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	248830	47.734	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.460%		
35) Dibromofluoromethane	7.640	113	245782	50.526	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.060%		
50) Toluene-d8	10.109	98	970281	50.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.440%		
62) 4-Bromofluorobenzene	12.408	95	312712	49.188	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	89977	22.304	ug/l	98
3) Chloromethane	2.074	50	113977	18.468	ug/l	98
4) Vinyl Chloride	2.214	62	132305	19.818	ug/l	97
5) Bromomethane	2.598	94	91332	19.393	ug/l	98
6) Chloroethane	2.739	64	88723	20.392	ug/l	99
7) Trichlorofluoromethane	3.068	101	197869	21.922	ug/l	97
8) Diethyl Ether	3.458	74	57657	20.282	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	121248	23.016	ug/l	100
10) Methyl Iodide	4.013	142	111306	19.282	ug/l	100
11) Tert butyl alcohol	4.872	59	34349	80.230	ug/l	99
12) 1,1-Dichloroethene	3.793	96	109976	21.220	ug/l	98
13) Acrolein	3.659	56	58063	94.341	ug/l	99
14) Allyl chloride	4.391	41	175485	21.374	ug/l	100
15) Acrylonitrile	5.074	53	130380	106.262	ug/l	99
16) Acetone	3.879	43	178820	119.062	ug/l	99
17) Carbon Disulfide	4.110	76	302314	18.075	ug/l	99
18) Methyl Acetate	4.391	43	53409	18.414	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	272508	20.576	ug/l	98
20) Methylene Chloride	4.629	84	119171	18.768	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	121125	21.109	ug/l	99
22) Diisopropyl ether	6.025	45	393709	22.177	ug/l	99
23) Vinyl Acetate	5.970	43	1063545	107.732	ug/l	100
24) 1,1-Dichloroethane	5.927	63	226397	21.678	ug/l	97
25) 2-Butanone	6.903	43	202591	110.530	ug/l	98
26) 2,2-Dichloropropane	6.890	77	197627	21.349	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	140195	21.039	ug/l	99
28) Bromochloromethane	7.250	49	83277	19.170	ug/l	99
29) Tetrahydrofuran	7.268	42	103454	101.198	ug/l	99
30) Chloroform	7.427	83	230773	21.975	ug/l	100
31) Cyclohexane	7.707	56	210277	20.982	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	208075	22.322	ug/l	99
36) 1,1-Dichloropropene	7.841	75	170161	22.814	ug/l	98
37) Ethyl Acetate	6.988	43	76926	21.927	ug/l	98
38) Carbon Tetrachloride	7.823	117	189158	23.105	ug/l	99
39) Methylcyclohexane	9.110	83	216857	22.015	ug/l	98
40) Benzene	8.085	78	505947	22.043	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	36625	20.911	ug/l	96
42) 1,2-Dichloroethane	8.165	62	131688	22.255	ug/l	99
43) Isopropyl Acetate	8.201	43	135465	20.662	ug/l	98
44) Trichloroethene	8.866	130	133143	22.609	ug/l	99
45) 1,2-Dichloropropane	9.146	63	122233	22.587	ug/l	99
46) Dibromomethane	9.238	93	63760	21.713	ug/l	98
47) Bromodichloromethane	9.427	83	170078	22.162	ug/l	98
48) Methyl methacrylate	9.225	41	65192	21.120	ug/l	99
49) 1,4-Dioxane	9.231	88	13950	423.887	ug/l #	89
51) 4-Methyl-2-Pentanone	10.000	43	369864	107.166	ug/l	99
52) Toluene	10.170	92	320816	22.547	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	150627	21.427	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	185024	21.988	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	86396	21.964	ug/l	95
56) Ethyl methacrylate	10.439	69	105292	20.386	ug/l	98
57) 1,3-Dichloropropane	10.719	76	149278	21.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	212318	85.570	ug/l	99
59) 2-Hexanone	10.762	43	291270	114.126	ug/l	98
60) Dibromochloromethane	10.914	129	116254	22.024	ug/l	99
61) 1,2-Dibromoethane	11.018	107	77457	21.214	ug/l	100
64) Tetrachloroethene	10.652	164	153349	23.317	ug/l	96
65) Chlorobenzene	11.444	112	344594	22.644	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	118503	22.922	ug/l	99
67) Ethyl Benzene	11.524	91	594212	22.860	ug/l	97
68) m/p-Xylenes	11.627	106	462889	46.213	ug/l	99
69) o-Xylene	11.957	106	211631	22.537	ug/l	99
70) Styrene	11.969	104	350904	22.684	ug/l	100
71) Bromoform	12.133	173	66096	21.918	ug/l	99
73) Isopropylbenzene	12.255	105	577632	22.596	ug/l	100
74) N-amyl acetate	12.072	43	113778	19.922	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	87761	20.852	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	61026m	19.483	ug/l	
77) Bromobenzene	12.530	156	130000	21.620	ug/l	98
78) n-propylbenzene	12.597	91	707533	22.988	ug/l	99
79) 2-Chlorotoluene	12.682	91	391060	22.077	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	470287	22.535	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30845	20.814	ug/l	97
82) 4-Chlorotoluene	12.780	91	404596	22.240	ug/l	100
83) tert-Butylbenzene	12.999	119	423201	22.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	466685	22.376	ug/l	100
85) sec-Butylbenzene	13.176	105	637239	23.027	ug/l	99
86) p-Isopropyltoluene	13.292	119	528395	22.843	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	260011	21.576	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	259834	21.601	ug/l	99
89) n-Butylbenzene	13.615	91	482726	22.760	ug/l	99
90) Hexachloroethane	13.877	117	108829	22.393	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	231193	21.939	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13788	19.572	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	130560	20.779	ug/l	99
94) Hexachlorobutadiene	15.023	225	88094	22.514	ug/l	97
95) Naphthalene	15.145	128	208532	19.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	113544	21.218	ug/l	97

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

