

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
 Data File : VY023638.D
 Acq On : 31 Oct 2025 09:52
 Operator : SY/MD
 Sample : VY1031SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBS01

Quant Time: Nov 01 03:20:33 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 11/03/2025
 Supervised By :Semsettin Yesilyurt 11/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	467893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	690374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	612649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	323331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	184560	47.171	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.340%		
35) Dibromofluoromethane	7.640	113	200163	47.186	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.380%		
50) Toluene-d8	10.109	98	739843	46.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.660%		
62) 4-Bromofluorobenzene	12.407	95	244490	46.877	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	66190	19.654	ug/l	97
3) Chloromethane	2.074	50	85843	18.711	ug/l	100
4) Vinyl Chloride	2.208	62	113732	19.032	ug/l	99
5) Bromomethane	2.598	94	100071	19.955	ug/l	97
6) Chloroethane	2.738	64	82921	20.357	ug/l	99
7) Trichlorofluoromethane	3.061	101	164794	19.862	ug/l	99
8) Diethyl Ether	3.464	74	44837	20.681	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.817	101	94180	21.874	ug/l	99
10) Methyl Iodide	4.006	142	97945	20.434	ug/l	98
11) Tert butyl alcohol	4.866	59	27871	95.752	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	86882	20.816	ug/l	92
13) Acrolein	3.653	56	17208	41.839	ug/l	100
14) Allyl chloride	4.390	41	107987	21.230	ug/l	99
15) Acrylonitrile	5.061	53	87108	104.986	ug/l	99
16) Acetone	3.866	43	137879	148.024	ug/l	99
17) Carbon Disulfide	4.110	76	233183	19.520	ug/l	99
18) Methyl Acetate	4.390	43	44187	18.084	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	207790	20.714	ug/l	96
20) Methylene Chloride	4.616	84	102049	20.261	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	96761	21.057	ug/l	96
22) Diisopropyl ether	6.024	45	251774	22.377	ug/l	96
23) Vinyl Acetate	5.963	43	662123	108.721	ug/l	99
24) 1,1-Dichloroethane	5.921	63	167100	22.421	ug/l	97
25) 2-Butanone	6.896	43	139091	122.313	ug/l	97
26) 2,2-Dichloropropane	6.890	77	152325	22.274	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	113586	21.399	ug/l	98
28) Bromochloromethane	7.250	49	62367	22.416	ug/l	95
29) Tetrahydrofuran	7.268	42	64278	99.678	ug/l	98
30) Chloroform	7.426	83	185093	22.604	ug/l	100
31) Cyclohexane	7.707	56	131933	20.270	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	164939	22.165	ug/l	99
36) 1,1-Dichloropropene	7.841	75	123635	22.015	ug/l	98
37) Ethyl Acetate	6.987	43	47702	21.440	ug/l	96
38) Carbon Tetrachloride	7.823	117	147683	21.687	ug/l	100
39) Methylcyclohexane	9.109	83	146600	20.049	ug/l	98
40) Benzene	8.085	78	395616	22.244	ug/l	99

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41) Methacrylonitrile	7.225	41	24048	19.985	ug/l	98
42) 1,2-Dichloroethane	8.158	62	100791	21.974	ug/l	100
43) Isopropyl Acetate	8.201	43	89236	20.114	ug/l	98
44) Trichloroethene	8.865	130	112485	21.609	ug/l	98
45) 1,2-Dichloropropane	9.146	63	89144	22.692	ug/l	100
46) Dibromomethane	9.231	93	54863	22.086	ug/l	96
47) Bromodichloromethane	9.426	83	141757	22.659	ug/l	99
48) Methyl methacrylate	9.225	41	41606	19.962	ug/l	98
49) 1,4-Dioxane	9.225	88	10662	370.203	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	242932	105.983	ug/l	98
52) Toluene	10.170	92	255988	22.168	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	116639	21.442	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	137966	21.489	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	74623	22.340	ug/l	93
56) Ethyl methacrylate	10.444	69	76719	19.911	ug/l	99
57) 1,3-Dichloropropane	10.719	76	116105	21.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	169006	97.911	ug/l	98
59) 2-Hexanone	10.761	43	193432	118.083	ug/l	99
60) Dibromochloromethane	10.914	129	100967	21.559	ug/l	100
61) 1,2-Dibromoethane	11.017	107	69028	21.668	ug/l	98
64) Tetrachloroethene	10.651	164	137838	21.790	ug/l	99
65) Chlorobenzene	11.444	112	288514	21.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	104277	21.961	ug/l	98
67) Ethyl Benzene	11.517	91	460808	21.365	ug/l	100
68) m/p-Xylenes	11.627	106	372354	43.041	ug/l	97
69) o-Xylene	11.956	106	170265	20.983	ug/l	99
70) Styrene	11.968	104	282962	21.205	ug/l	99
71) Bromoform	12.133	173	60761	20.629	ug/l	99
73) Isopropylbenzene	12.255	105	450424	21.139	ug/l	98
74) N-amyl acetate	12.072	43	73162	19.116	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	71768	20.593	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	56130m	19.676	ug/l	
77) Bromobenzene	12.529	156	118477	20.915	ug/l	98
78) n-propylbenzene	12.596	91	535939	21.735	ug/l	99
79) 2-Chlorotoluene	12.682	91	313032	21.679	ug/l	98
80) 1,3,5-Trimethylbenzene	12.736	105	370493	21.517	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	22664	19.482	ug/l	95
82) 4-Chlorotoluene	12.779	91	326325	21.944	ug/l	100
83) tert-Butylbenzene	12.999	119	331211	20.834	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	374862	21.815	ug/l	98
85) sec-Butylbenzene	13.175	105	492285	21.586	ug/l	98
86) p-Isopropyltoluene	13.291	119	415848	21.417	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	232670	21.092	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	226181	20.761	ug/l	99
89) n-Butylbenzene	13.620	91	355932	21.038	ug/l	99
90) Hexachloroethane	13.883	117	88584	21.211	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	200653	20.748	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11211	19.605	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	116786	19.370	ug/l	98
94) Hexachlorobutadiene	15.023	225	76689	20.405	ug/l	99
95) Naphthalene	15.145	128	164105	17.093	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	98921	18.942	ug/l	99

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

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