

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023879.D
 Acq On : 04 Dec 2025 09:04
 Operator : SY/MD
 Sample : VY1204SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1204SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/05/2025
 Supervised By : Mahesh Dadoda 12/08/2025

Quant Time: Dec 05 01:41:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	494998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	762810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	650156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	339898	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	241797	48.830	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.660%
35) Dibromofluoromethane	7.640	113	240840	49.227	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.460%
50) Toluene-d8	10.109	98	930197	48.859	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.720%
62) 4-Bromofluorobenzene	12.408	95	300344	46.252	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	73163	19.541	ug/l	98
3) Chloromethane	2.074	50	99439	18.619	ug/l	94
4) Vinyl Chloride	2.214	62	114041	18.719	ug/l	99
5) Bromomethane	2.598	94	88493	20.118	ug/l	100
6) Chloroethane	2.745	64	80539	19.499	ug/l	96
7) Trichlorofluoromethane	3.068	101	168684	19.803	ug/l	98
8) Diethyl Ether	3.458	74	50973	19.974	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.830	101	102210	20.027	ug/l	97
10) Methyl Iodide	4.013	142	90018	17.570	ug/l	98
11) Tert butyl alcohol	4.878	59	37924m	98.974	ug/l	
12) 1,1-Dichloroethene	3.805	96	92891	19.480	ug/l	94
13) Acrolein	3.659	56	43302	140.073	ug/l	99
14) Allyl chloride	4.397	41	149606	19.623	ug/l	98
15) Acrylonitrile	5.074	53	114340	102.945	ug/l	99
16) Acetone	3.879	43	171493	115.576	ug/l	99
17) Carbon Disulfide	4.116	76	247128	17.540	ug/l	100
18) Methyl Acetate	4.397	43	53033	21.071	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	243870	20.359	ug/l	95
20) Methylene Chloride	4.629	84	105233	18.513	ug/l	98
21) trans-1,2-Dichloroethene	5.128	96	102275	19.439	ug/l	94
22) Diisopropyl ether	6.025	45	343295	20.450	ug/l	96
23) Vinyl Acetate	5.970	43	923319	99.225	ug/l	100
24) 1,1-Dichloroethane	5.927	63	194013	20.003	ug/l	98
25) 2-Butanone	6.902	43	193445	108.146	ug/l	97
26) 2,2-Dichloropropane	6.896	77	173438	19.510	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	123418	20.202	ug/l	99
28) Bromochloromethane	7.256	49	70427	19.003	ug/l	97
29) Tetrahydrofuran	7.274	42	93171	100.717	ug/l	99
30) Chloroform	7.427	83	196617	20.061	ug/l	97
31) Cyclohexane	7.707	56	170487	18.384	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	177055	20.012	ug/l	99
36) 1,1-Dichloropropene	7.841	75	139487	19.335	ug/l	99
37) Ethyl Acetate	6.994	43	69541	20.875	ug/l	99
38) Carbon Tetrachloride	7.823	117	160633	20.175	ug/l	98
39) Methylcyclohexane	9.116	83	172300	18.348	ug/l	96
40) Benzene	8.085	78	431782	19.802	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	35426	20.630	ug/l #	90
42) 1,2-Dichloroethane	8.164	62	116006	20.387	ug/l	99
43) Isopropyl Acetate	8.201	43	123634	19.836	ug/l #	84
44) Trichloroethene	8.866	130	114718	20.446	ug/l	97
45) 1,2-Dichloropropane	9.146	63	105650	20.463	ug/l	94
46) Dibromomethane	9.237	93	55850	19.981	ug/l	98
47) Bromodichloromethane	9.426	83	149507	20.274	ug/l	100
48) Methyl methacrylate	9.225	41	58278	20.014	ug/l	96
49) 1,4-Dioxane	9.237	88	12694	408.429	ug/l	89
51) 4-Methyl-2-Pentanone	9.999	43	341141	104.088	ug/l	99
52) Toluene	10.170	92	273723	20.045	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	129463	19.451	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	157247	20.063	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	76634	20.310	ug/l	98
56) Ethyl methacrylate	10.445	69	92757	19.592	ug/l	98
57) 1,3-Dichloropropane	10.719	76	130592	20.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	222994	102.333	ug/l	100
59) 2-Hexanone	10.762	43	270736	109.528	ug/l	99
60) Dibromochloromethane	10.914	129	102850	20.328	ug/l	99
61) 1,2-Dibromoethane	11.018	107	68237	19.844	ug/l	99
64) Tetrachloroethene	10.652	164	132185	20.776	ug/l	100
65) Chlorobenzene	11.444	112	302724	20.400	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	103615	20.465	ug/l	99
67) Ethyl Benzene	11.524	91	509694	19.868	ug/l	100
68) m/p-Xylenes	11.633	106	395834	40.368	ug/l	100
69) o-Xylene	11.956	106	183484	20.006	ug/l	100
70) Styrene	11.969	104	301975	19.974	ug/l	100
71) Bromoform	12.133	173	59172	20.684	ug/l #	99
73) Isopropylbenzene	12.255	105	491743	19.636	ug/l	99
74) N-amyl acetate	12.072	43	99167	18.272	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	82087	20.316	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	69311m	20.569	ug/l	
77) Bromobenzene	12.536	156	114849	19.747	ug/l	100
78) n-propylbenzene	12.597	91	594491	19.673	ug/l	100
79) 2-Chlorotoluene	12.682	91	334915	19.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	399888	19.652	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	27694	19.684	ug/l	97
82) 4-Chlorotoluene	12.779	91	350508	19.700	ug/l	99
83) tert-Butylbenzene	12.999	119	354542	19.327	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	398588	19.773	ug/l	98
85) sec-Butylbenzene	13.176	105	536063	19.645	ug/l	99
86) p-Isopropyltoluene	13.292	119	446149	19.746	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	227498	19.415	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	228829	19.914	ug/l	99
89) n-Butylbenzene	13.621	91	401392	19.194	ug/l	99
90) Hexachloroethane	13.883	117	92741	19.566	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	200068	19.631	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12554	19.761	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	113247	18.742	ug/l	99
94) Hexachlorobutadiene	15.023	225	74221	19.578	ug/l	99
95) Naphthalene	15.145	128	179684	18.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	97141	18.839	ug/l	99

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

