

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023900.D
 Acq On : 09 Dec 2025 11:56
 Operator : SY/MD
 Sample : VY1209SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBS01

Quant Time: Dec 10 02:23:29 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2025
 Supervised By :Mahesh Dadoda 12/11/2025

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	439506	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	622948	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	522884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	267852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	220275	50.101	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.200%			
35) Dibromofluoromethane	7.652	113	242718	60.749	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.500%			
50) Toluene-d8	10.115	98	904294	58.162	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.320%			
62) 4-Bromofluorobenzene	12.414	95	287388	54.193	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.879	85	77506	23.315	ug/l	96
3) Chloromethane	2.080	50	97892	20.643	ug/l	96
4) Vinyl Chloride	2.220	62	111071	20.534	ug/l	100
5) Bromomethane	2.611	94	112771	28.874	ug/l	97
6) Chloroethane	2.751	64	82363	22.459	ug/l	97
7) Trichlorofluoromethane	3.074	101	172536	22.812	ug/l	98
8) Diethyl Ether	3.470	74	45901	20.258	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.836	101	103905	22.929	ug/l	95
10) Methyl Iodide	4.025	142	104749	22.269	ug/l	97
11) Tert butyl alcohol	4.909	59	23312	64.480	ug/l #	74
12) 1,1-Dichloroethene	3.806	96	94606	22.344	ug/l	86
13) Acrolein	3.678	56	31705	115.508	ug/l	95
14) Allyl chloride	4.403	41	117052	17.291	ug/l #	90
15) Acrylonitrile	5.086	53	89477	90.731	ug/l	98
16) Acetone	3.897	43	138490	105.118	ug/l	98
17) Carbon Disulfide	4.129	76	228783	18.288	ug/l	100
18) Methyl Acetate	4.409	43	35301	15.797	ug/l	91
19) Methyl tert-butyl Ether	5.135	73	224702	21.127	ug/l	97
20) Methylene Chloride	4.641	84	115244	23.287	ug/l	86
21) trans-1,2-Dichloroethene	5.141	96	101718	21.775	ug/l	85
22) Diisopropyl ether	6.043	45	277358	18.608	ug/l #	95
23) Vinyl Acetate	5.982	43	747359	90.456	ug/l	95
24) 1,1-Dichloroethane	5.939	63	176702	20.518	ug/l	95
25) 2-Butanone	6.915	43	141081	88.830	ug/l #	89
26) 2,2-Dichloropropane	6.903	77	169457	21.469	ug/l	100
27) cis-1,2-Dichloroethene	6.909	96	121153	22.335	ug/l	91
28) Bromochloromethane	7.262	49	64313	19.545	ug/l #	76
29) Tetrahydrofuran	7.287	42	63038	76.747	ug/l #	85
30) Chloroform	7.433	83	194330	22.331	ug/l	99
31) Cyclohexane	7.719	56	148555	18.042	ug/l #	83
32) 1,1,1-Trichloroethane	7.634	97	179873	22.897	ug/l	98
36) 1,1-Dichloropropene	7.854	75	134570	22.842	ug/l	96
37) Ethyl Acetate	7.006	43	49735	18.282	ug/l	97
38) Carbon Tetrachloride	7.835	117	164768	25.340	ug/l	99
39) Methylcyclohexane	9.122	83	173230	22.589	ug/l	93
40) Benzene	8.097	78	408004	22.912	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	27045m	19.286	ug/l	
42) 1,2-Dichloroethane	8.171	62	107988	23.239	ug/l	98
43) Isopropyl Acetate	8.213	43	97091	19.075	ug/l #	87
44) Trichloroethene	8.878	130	119217	26.019	ug/l	95
45) 1,2-Dichloropropane	9.152	63	92924	22.039	ug/l	98
46) Dibromomethane	9.244	93	54866	24.036	ug/l	94
47) Bromodichloromethane	9.433	83	142434	23.651	ug/l	96
48) Methyl methacrylate	9.231	41	43935	18.476	ug/l	87
49) 1,4-Dioxane	9.256	88	10197	401.749	ug/l #	92
51) 4-Methyl-2-Pentanone	10.012	43	253378	94.667	ug/l	96
52) Toluene	10.182	92	268658	24.092	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	123343	22.692	ug/l	97
54) cis-1,3-Dichloropropene	9.865	75	146963	22.961	ug/l	98
55) 1,1,2-Trichloroethane	10.585	97	74142	24.061	ug/l	97
56) Ethyl methacrylate	10.451	69	82399	20.947	ug/l	94
57) 1,3-Dichloropropane	10.725	76	118747	22.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.725	63	196769	109.387	ug/l	92
59) 2-Hexanone	10.768	43	200163	99.158	ug/l	95
60) Dibromochloromethane	10.920	129	103027	24.935	ug/l	99
61) 1,2-Dibromoethane	11.024	107	68980	24.564	ug/l	98
64) Tetrachloroethene	10.658	164	143055	27.957	ug/l	96
65) Chlorobenzene	11.451	112	298530	25.014	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	106099	26.056	ug/l	98
67) Ethyl Benzene	11.530	91	494003	23.943	ug/l	98
68) m/p-Xylenes	11.639	106	398013	50.470	ug/l	95
69) o-Xylene	11.963	106	184677	25.037	ug/l	95
70) Styrene	11.981	104	292926	24.091	ug/l	99
71) Bromoform	12.139	173	59899	26.034	ug/l #	99
73) Isopropylbenzene	12.261	105	487457	24.701	ug/l	98
74) N-amyl acetate	12.078	43	74483	17.415	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.517	83	70642	22.186	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	59825m	22.529	ug/l	
77) Bromobenzene	12.542	156	121055	26.412	ug/l	88
78) n-propylbenzene	12.603	91	562195	23.608	ug/l	97
79) 2-Chlorotoluene	12.688	91	321578	23.778	ug/l	95
80) 1,3,5-Trimethylbenzene	12.743	105	391978	24.445	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	23143	20.874	ug/l	97
82) 4-Chlorotoluene	12.786	91	324959	23.176	ug/l	95
83) tert-Butylbenzene	13.005	119	363520	25.146	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	387237	24.377	ug/l	98
85) sec-Butylbenzene	13.182	105	531618	24.722	ug/l	98
86) p-Isopropyltoluene	13.298	119	441698	24.808	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	232176	25.144	ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	224636	24.807	ug/l	98
89) n-Butylbenzene	13.627	91	372644	22.613	ug/l	98
90) Hexachloroethane	13.889	117	91923	24.610	ug/l	93
91) 1,2-Dichlorobenzene	13.664	146	200550	24.971	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10092	20.158	ug/l	91
93) 1,2,4-Trichlorobenzene	14.925	180	107746	22.628	ug/l	99
94) Hexachlorobutadiene	15.029	225	75392	25.236	ug/l	99
95) Naphthalene	15.151	128	151144	19.261	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	87995	21.656	ug/l	98

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

