

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023905.D
 Acq On : 09 Dec 2025 13:55
 Operator : SY/MD
 Sample : VY1209SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBS03

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 02:26:58 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	7.719	168	578705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	818059	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	674698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	332303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	190489	32.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	65.800%		
35) Dibromofluoromethane	7.646	113	220354	41.998	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.000%		
50) Toluene-d8	10.115	98	825938	40.453	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	80.900%		
62) 4-Bromofluorobenzene	12.414	95	261909	37.609	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	75.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	76564	17.492	ug/l	97
3) Chloromethane	2.080	50	85526	13.697	ug/l	93
4) Vinyl Chloride	2.214	62	111100	15.599	ug/l	95
5) Bromomethane	2.611	94	89791	17.460	ug/l	99
6) Chloroethane	2.751	64	77613	16.073	ug/l	97
7) Trichlorofluoromethane	3.074	101	177556	17.829	ug/l	94
8) Diethyl Ether	3.470	74	44652	14.966	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.836	101	107411	18.002	ug/l	95
10) Methyl Iodide	4.025	142	114430	18.892	ug/l	97
11) Tert butyl alcohol	4.878	59	22439	43.603	ug/l	98
12) 1,1-Dichloroethene	3.805	96	97034	17.405	ug/l	83
13) Acrolein	3.671	56	28476	78.790	ug/l	99
14) Allyl chloride	4.397	41	117291	13.159	ug/l #	89
15) Acrylonitrile	5.080	53	80046	61.644	ug/l	100
16) Acetone	3.885	43	135744	78.251	ug/l	96
17) Carbon Disulfide	4.122	76	233809	14.194	ug/l	99
18) Methyl Acetate	4.403	43	34074	11.580	ug/l #	88
19) Methyl tert-butyl Ether	5.135	73	214569	15.322	ug/l	96
20) Methylene Chloride	4.635	84	100216	14.720	ug/l	87
21) trans-1,2-Dichloroethene	5.135	96	104167	16.935	ug/l	89
22) Diisopropyl ether	6.037	45	265955	13.551	ug/l #	91
23) Vinyl Acetate	5.976	43	695465	63.928	ug/l #	94
24) 1,1-Dichloroethane	5.933	63	177228	15.629	ug/l	96
25) 2-Butanone	6.909	43	130221	62.270	ug/l #	89
26) 2,2-Dichloropropane	6.902	77	169270	16.287	ug/l	97
27) cis-1,2-Dichloroethene	6.909	96	120758	16.907	ug/l	92
28) Bromochloromethane	7.262	49	59350	13.698	ug/l #	77
29) Tetrahydrofuran	7.274	42	62888	58.148	ug/l	92
30) Chloroform	7.439	83	193597	16.896	ug/l	99
31) Cyclohexane	7.713	56	153926	14.197	ug/l #	88
32) 1,1,1-Trichloroethane	7.634	97	183092	17.701	ug/l	97
36) 1,1-Dichloropropene	7.847	75	136130	17.596	ug/l	96
37) Ethyl Acetate	7.006	43	47149	13.198	ug/l #	97
38) Carbon Tetrachloride	7.835	117	170303	19.945	ug/l	98
39) Methylcyclohexane	9.122	83	177075	17.583	ug/l	93
40) Benzene	8.091	78	408355	17.462	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023905.D
 Acq On : 09 Dec 2025 13:55
 Operator : SY/MD
 Sample : VY1209SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBS03

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 02:26:58 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)
41) Methacrylonitrile	7.232	41	22692	12.322	ug/l #	94
42) 1,2-Dichloroethane	8.171	62	100417	16.456	ug/l	98
43) Isopropyl Acetate	8.213	43	89904	13.450	ug/l #	88
44) Trichloroethene	8.878	130	118631	19.716	ug/l	92
45) 1,2-Dichloropropane	9.152	63	90100	16.272	ug/l	97
46) Dibromomethane	9.244	93	51774	17.272	ug/l	93
47) Bromodichloromethane	9.433	83	140020	17.705	ug/l	99
48) Methyl methacrylate	9.231	41	41934	13.429	ug/l	90
49) 1,4-Dioxane	9.244	88	10426	312.800	ug/l #	93
51) 4-Methyl-2-Pentanone	10.006	43	234509	66.720	ug/l	97
52) Toluene	10.182	92	276921	18.910	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	114807	16.084	ug/l	95
54) cis-1,3-Dichloropropene	9.865	75	139328	16.576	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	69571	17.193	ug/l	98
56) Ethyl methacrylate	10.445	69	77943	16.250	ug/l	92
57) 1,3-Dichloropropane	10.725	76	112877	16.196	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	182747	81.671	ug/l	91
59) 2-Hexanone	10.768	43	183826	69.346	ug/l	96
60) Dibromochloromethane	10.920	129	98364	18.128	ug/l	98
61) 1,2-Dibromoethane	11.024	107	63479	17.214	ug/l	100
64) Tetrachloroethene	10.652	164	142880	21.640	ug/l	95
65) Chlorobenzene	11.450	112	298987	19.415	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	103455	19.690	ug/l	98
67) Ethyl Benzene	11.524	91	497075	18.671	ug/l	99
68) m/p-Xylenes	11.633	106	396457	38.961	ug/l	97
69) o-Xylene	11.963	106	181994	19.122	ug/l	97
70) Styrene	11.975	104	290445	18.512	ug/l	98
71) Bromoform	12.139	173	56571	19.055	ug/l #	100
73) Isopropylbenzene	12.261	105	493001	20.136	ug/l	99
74) N-amyl acetate	12.078	43	68089	12.832	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.511	83	66038	16.718	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	58711m	17.822	ug/l	
77) Bromobenzene	12.536	156	117746	20.708	ug/l	87
78) n-propylbenzene	12.603	91	569942	19.292	ug/l	97
79) 2-Chlorotoluene	12.682	91	313900	18.708	ug/l	95
80) 1,3,5-Trimethylbenzene	12.743	105	394116	19.811	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	20961	15.239	ug/l	97
82) 4-Chlorotoluene	12.786	91	324297	18.643	ug/l	96
83) tert-Butylbenzene	13.005	119	365315	20.369	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	380380	19.301	ug/l	96
85) sec-Butylbenzene	13.182	105	519077	19.457	ug/l	97
86) p-Isopropyltoluene	13.298	119	434082	19.651	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	221599	19.344	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	215141	19.150	ug/l	99
89) n-Butylbenzene	13.621	91	364873	17.847	ug/l	98
90) Hexachloroethane	13.883	117	88352	19.066	ug/l	92
91) 1,2-Dichlorobenzene	13.663	146	187313	18.799	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	8988	14.471	ug/l	89
93) 1,2,4-Trichlorobenzene	14.925	180	98973	16.754	ug/l	99
94) Hexachlorobutadiene	15.029	225	72041	19.437	ug/l	99
95) Naphthalene	15.151	128	136890	14.061	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	80783	16.025	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023905.D
Acq On : 09 Dec 2025 13:55
Operator : SY/MD
Sample : VY1209SBSD03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBSD03

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/10/2025
Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 02:26:58 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)
----------	------	------	----------	------	-------	----------

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

