

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023921.D
 Acq On : 09 Dec 2025 20:10
 Operator : SY/MD
 Sample : VY1209SBSD04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBSD04

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

12/10/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Dec 10 02:34:59 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	7.720	168	493919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	732445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	631159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	322764	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	290083	58.710	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.420%	
35) Dibromofluoromethane	7.640	113	314712	66.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 133.980%	
50) Toluene-d8	10.109	98	1160201	63.466	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 126.940%	
62) 4-Bromofluorobenzene	12.408	95	380851	61.081	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 122.160%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	71331	19.094	ug/l	99
3) Chloromethane	2.074	50	86483	16.228	ug/l	94
4) Vinyl Chloride	2.214	62	107700	17.717	ug/l	97
5) Bromomethane	2.605	94	99692	22.713	ug/l	96
6) Chloroethane	2.745	64	79283	19.237	ug/l	92
7) Trichlorofluoromethane	3.068	101	170693	20.082	ug/l	96
8) Diethyl Ether	3.464	74	48715	19.131	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.830	101	99746	19.587	ug/l	96
10) Methyl Iodide	4.013	142	105860	20.272	ug/l	96
11) Tert butyl alcohol	4.885	59	25905	63.611	ug/l	99
12) 1,1-Dichloroethene	3.800	96	91593	19.249	ug/l	87
13) Acrolein	3.665	56	32032	103.843	ug/l	96
14) Allyl chloride	4.397	41	116869	15.362	ug/l	91
15) Acrylonitrile	5.080	53	94446	85.219	ug/l	98
16) Acetone	3.885	43	131919	89.100	ug/l	96
17) Carbon Disulfide	4.117	76	223626	15.907	ug/l	100
18) Methyl Acetate	4.397	43	49500	19.711	ug/l	92
19) Methyl tert-butyl Ether	5.129	73	232227	19.429	ug/l	94
20) Methylene Chloride	4.629	84	109050	19.301	ug/l	90
21) trans-1,2-Dichloroethene	5.129	96	102783	19.579	ug/l	91
22) Diisopropyl ether	6.031	45	278594	16.632	ug/l #	90
23) Vinyl Acetate	5.976	43	724563	78.036	ug/l #	93
24) 1,1-Dichloroethane	5.927	63	176891	18.277	ug/l	98
25) 2-Butanone	6.903	43	138421	77.554	ug/l #	90
26) 2,2-Dichloropropane	6.897	77	156543	17.648	ug/l	97
27) cis-1,2-Dichloroethene	6.903	96	124541	20.430	ug/l	89
28) Bromochloromethane	7.256	49	46813	12.659	ug/l #	73
29) Tetrahydrofuran	7.274	42	71378	77.327	ug/l #	88
30) Chloroform	7.433	83	195875	20.029	ug/l	100
31) Cyclohexane	7.707	56	142378	15.386	ug/l	91
32) 1,1,1-Trichloroethane	7.622	97	174956	19.818	ug/l	97
36) 1,1-Dichloropropene	7.848	75	129270	18.662	ug/l	96
37) Ethyl Acetate	6.994	43	52469	16.403	ug/l	95
38) Carbon Tetrachloride	7.829	117	160531	20.998	ug/l	99
39) Methylcyclohexane	9.116	83	165647	18.371	ug/l	94
40) Benzene	8.091	78	410940	19.627	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	29766	18.053	ug/l #	89
42) 1,2-Dichloroethane	8.165	62	108550	19.868	ug/l	98
43) Isopropyl Acetate	8.207	43	98885	16.523	ug/l #	89
44) Trichloroethene	8.872	130	121324	22.520	ug/l	94
45) 1,2-Dichloropropane	9.146	63	93270	18.814	ug/l	96
46) Dibromomethane	9.238	93	55606	20.718	ug/l	90
47) Bromodichloromethane	9.427	83	146740	20.723	ug/l	99
48) Methyl methacrylate	9.225	41	45227	16.176	ug/l #	86
49) 1,4-Dioxane	9.238	88	12188	408.406	ug/l #	94
51) 4-Methyl-2-Pentanone	10.000	43	262158	83.305	ug/l	95
52) Toluene	10.176	92	273602	20.867	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	123589	19.338	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	146757	19.501	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	77588	21.415	ug/l	96
56) Ethyl methacrylate	10.445	69	86243	19.103	ug/l	92
57) 1,3-Dichloropropane	10.719	76	122048	19.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	154992	78.139	ug/l	89
59) 2-Hexanone	10.762	43	193334	81.457	ug/l	95
60) Dibromochloromethane	10.914	129	107474	22.123	ug/l	97
61) 1,2-Dibromoethane	11.018	107	71545	21.668	ug/l	99
64) Tetrachloroethene	10.652	164	148846	24.099	ug/l	97
65) Chlorobenzene	11.444	112	306751	21.293	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	108382	22.051	ug/l	99
67) Ethyl Benzene	11.524	91	494628	19.861	ug/l	96
68) m/p-Xylenes	11.633	106	399276	41.945	ug/l	95
69) o-Xylene	11.957	106	187311	21.038	ug/l	97
70) Styrene	11.975	104	304501	20.747	ug/l	98
71) Bromoform	12.133	173	65203	23.478	ug/l #	99
73) Isopropylbenzene	12.255	105	492461	20.709	ug/l	99
74) N-amyl acetate	12.072	43	77524	15.042	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	72407	18.872	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	51003m	15.939	ug/l	
77) Bromobenzene	12.536	156	124213	22.491	ug/l	88
78) n-propylbenzene	12.597	91	557436	19.426	ug/l	96
79) 2-Chlorotoluene	12.682	91	328483	20.156	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	397580	20.576	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	23727	17.760	ug/l	97
82) 4-Chlorotoluene	12.780	91	331889	19.643	ug/l	95
83) tert-Butylbenzene	12.999	119	368543	21.157	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	389774	20.362	ug/l	96
85) sec-Butylbenzene	13.176	105	518926	20.026	ug/l	97
86) p-Isopropyltoluene	13.292	119	433392	20.200	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	233088	20.948	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	225837	20.697	ug/l	98
89) n-Butylbenzene	13.621	91	362329	18.246	ug/l	98
90) Hexachloroethane	13.883	117	89742	19.938	ug/l	90
91) 1,2-Dichlorobenzene	13.664	146	201907	20.863	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11592	19.215	ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	105251	18.343	ug/l	98
94) Hexachlorobutadiene	15.029	225	72248	20.069	ug/l	99
95) Naphthalene	15.145	128	167049	17.666	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	88005	17.973	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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