

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023185.D
 Acq On : 22 Aug 2025 11:43
 Operator : SY/MD
 Sample : VY0822SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBS01

Quant Time: Aug 25 05:12:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	487169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	762083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	660664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	327653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	211434	45.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.080%		
35) Dibromofluoromethane	7.634	113	226126	49.588	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.180%		
50) Toluene-d8	10.103	98	888919	49.899	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.800%		
62) 4-Bromofluorobenzene	12.401	95	267969	46.774	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	83586	21.020	ug/l	98
3) Chloromethane	2.068	50	130008	20.185	ug/l	97
4) Vinyl Chloride	2.202	62	163551	20.542	ug/l	99
5) Bromomethane	2.592	94	131750	22.158	ug/l	98
6) Chloroethane	2.732	64	108904	20.575	ug/l	96
7) Trichlorofluoromethane	3.055	101	191477	19.779	ug/l	96
8) Diethyl Ether	3.452	74	49309	19.252	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.811	101	98657	20.656	ug/l	98
10) Methyl Iodide	4.000	142	98964	19.202	ug/l	97
11) Tert butyl alcohol	4.854	59	23171	72.833	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	96145	20.480	ug/l	92
13) Acrolein	3.653	56	28148	60.414	ug/l	93
14) Allyl chloride	4.378	41	127286	18.427	ug/l	98
15) Acrylonitrile	5.061	53	87839	84.357	ug/l	98
16) Acetone	3.866	43	111593	110.939	ug/l	97
17) Carbon Disulfide	4.104	76	305106	19.932	ug/l	99
18) Methyl Acetate	4.384	43	43070	14.388	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	212124	17.437	ug/l	99
20) Methylene Chloride	4.610	84	133598	24.155	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	104779	19.861	ug/l	98
22) Diisopropyl ether	6.018	45	279969	18.651	ug/l	99
23) Vinyl Acetate	5.957	43	728111	87.723	ug/l	98
24) 1,1-Dichloroethane	5.915	63	180733	19.693	ug/l	98
25) 2-Butanone	6.890	43	127016	92.844	ug/l	97
26) 2,2-Dichloropropane	6.884	77	159780	20.177	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	121357	19.898	ug/l	96
28) Bromochloromethane	7.244	49	70476	19.356	ug/l	97
29) Tetrahydrofuran	7.262	42	66293	78.176	ug/l	98
30) Chloroform	7.420	83	187350	19.794	ug/l	95
31) Cyclohexane	7.701	56	161083	18.626	ug/l #	93
32) 1,1,1-Trichloroethane	7.615	97	170619	20.316	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136748	20.179	ug/l	98
37) Ethyl Acetate	6.981	43	50009	17.567	ug/l	97
38) Carbon Tetrachloride	7.817	117	149730	20.342	ug/l	95
39) Methylcyclohexane	9.109	83	176007	19.722	ug/l	96
40) Benzene	8.079	78	423724	20.286	ug/l	99

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Quant Time: Aug 25 05:12:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	25330	15.417	ug/l	90
42) 1,2-Dichloroethane	8.158	62	102203	18.814	ug/l	100
43) Isopropyl Acetate	8.195	43	93698	16.284	ug/l	97
44) Trichloroethene	8.865	130	114186	21.154	ug/l	98
45) 1,2-Dichloropropane	9.140	63	95411	19.853	ug/l	99
46) Dibromomethane	9.231	93	54110	19.616	ug/l	98
47) Bromodichloromethane	9.420	83	140846	19.843	ug/l	98
48) Methyl methacrylate	9.219	41	44249	16.071	ug/l	96
49) 1,4-Dioxane	9.225	88	9765	301.911	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	243186	81.937	ug/l	100
52) Toluene	10.170	92	268326	20.226	ug/l	100
53) t-1,3-Dichloropropene	10.389	75	119738	18.629	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	145314	19.119	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	69805	18.912	ug/l	96
56) Ethyl methacrylate	10.438	69	79668	16.868	ug/l	97
57) 1,3-Dichloropropane	10.719	76	118409	18.916	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	201968	90.653	ug/l	99
59) 2-Hexanone	10.761	43	179464	88.800	ug/l	98
60) Dibromochloromethane	10.908	129	92970	19.089	ug/l	96
61) 1,2-Dibromoethane	11.011	107	65530	18.889	ug/l	100
64) Tetrachloroethene	10.645	164	131221	22.244	ug/l	97
65) Chlorobenzene	11.438	112	291973	20.489	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	98100	20.283	ug/l	98
67) Ethyl Benzene	11.517	91	484951	19.775	ug/l	98
68) m/p-Xylenes	11.627	106	386714	40.375	ug/l	98
69) o-Xylene	11.950	106	178540	19.902	ug/l	99
70) Styrene	11.968	104	293789	20.026	ug/l	98
71) Bromoform	12.133	173	53254	18.840	ug/l #	99
73) Isopropylbenzene	12.255	105	468204	20.246	ug/l	100
74) N-amyl acetate	12.066	43	78080	15.921	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	68218	17.276	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	52569m	16.624	ug/l	
77) Bromobenzene	12.529	156	108919	19.742	ug/l	96
78) n-propylbenzene	12.590	91	566146	20.563	ug/l	99
79) 2-Chlorotoluene	12.676	91	315330	19.989	ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	379144	20.286	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	21879	16.748	ug/l	99
82) 4-Chlorotoluene	12.773	91	326908	19.977	ug/l	99
83) tert-Butylbenzene	12.993	119	344244	20.394	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	375274	20.171	ug/l	98
85) sec-Butylbenzene	13.175	105	505338	20.380	ug/l	99
86) p-Isopropyltoluene	13.291	119	420607	20.435	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	219232	20.151	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	217009	20.107	ug/l	99
89) n-Butylbenzene	13.614	91	377605	19.975	ug/l	99
90) Hexachloroethane	13.877	117	88981	21.118	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	191281	20.047	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	10248	16.669	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	106632	18.898	ug/l	100
94) Hexachlorobutadiene	15.023	225	67110	20.240	ug/l	98
95) Naphthalene	15.145	128	152376	15.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	88429	18.187	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

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

Reviewed By :Semsettin Yesilyurt 08/25/2025
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TIC: VY023185.D\data.ms

Abundance

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

1,1-Dichloroethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
1,1,2-Dichloroethane, T
Acetone, T
Methyl iodide, T
Carbon Disulfide, T
Methylhydrazide, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methylcyclohexane, T
1,1-Dichloroethane, T
Diisopropyl ether, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
1,1,1-Trichloroethane, T
1,1,2-Dichloroethane, T
Isopropyl alcohol, T
1,2-Dichloroethane, T
1,4-Difluorobenzene, I
1,4-Difluorobenzene, I
Trichloroethene, TM
Methylcyclohexane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanone, T
Toluene, CM
Ethyl methacrylate, T
1,1,2-Trichloroethane, T
1,2-Dichloropropane, T
1,2-Dibromomethane, T
Chlorobenzene, TM
Ethyl Benzenes, I
Chlorobenzene-d5, I
o-Xylene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
n-Propylbenzene, T
1,3,5-Trimethylbenzene, T
2-Chlorobenzene, T
4-Chlorobenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
n-Butylbenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T