

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023164.D
 Acq On : 20 Aug 2025 10:24
 Operator : SY/MD
 Sample : VY0820SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0820SBS01

Quant Time: Aug 21 01:36:47 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 :Mahesh Dadoda 08/22/2025
 Supervised By :Semsettin Yesilyurt 08/22/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	459555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	730484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	640306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	323804	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	208166	47.528	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.060%
35) Dibromofluoromethane	7.634	113	217247	49.702	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.400%
50) Toluene-d8	10.103	98	848402	49.685	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.402	95	261400	47.601	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	79053	21.074	ug/l	98
3) Chloromethane	2.074	50	130929	21.550	ug/l	100
4) Vinyl Chloride	2.208	62	164087	21.848	ug/l	99
5) Bromomethane	2.592	94	138095	24.621	ug/l	98
6) Chloroethane	2.733	64	110112	22.053	ug/l	98
7) Trichlorofluoromethane	3.056	101	190344	20.843	ug/l	99
8) Diethyl Ether	3.458	74	45992	19.036	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	94641	21.006	ug/l	100
10) Methyl Iodide	4.007	142	93165	19.163	ug/l	97
11) Tert butyl alcohol	4.854	59	25336	84.424	ug/l #	84
12) 1,1-Dichloroethene	3.793	96	91227	20.600	ug/l	91
13) Acrolein	3.653	56	30908	70.324	ug/l	96
14) Allyl chloride	4.385	41	123764	18.993	ug/l	99
15) Acrylonitrile	5.068	53	92487	94.158	ug/l	99
16) Acetone	3.867	43	108385	114.225	ug/l	97
17) Carbon Disulfide	4.104	76	291923	20.217	ug/l	97
18) Methyl Acetate	4.385	43	52896	18.733	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	213430	18.599	ug/l	98
20) Methylene Chloride	4.610	84	105212	19.691	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	101756	20.447	ug/l	99
22) Diisopropyl ether	6.019	45	274076	19.356	ug/l	93
23) Vinyl Acetate	5.964	43	713664	91.149	ug/l	100
24) 1,1-Dichloroethane	5.915	63	176815	20.424	ug/l	98
25) 2-Butanone	6.896	43	128976	99.942	ug/l	99
26) 2,2-Dichloropropane	6.878	77	152419	20.404	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	117267	20.382	ug/l	97
28) Bromochloromethane	7.244	49	68297	19.885	ug/l	98
29) Tetrahydrofuran	7.262	42	70670	88.345	ug/l	99
30) Chloroform	7.421	83	187434	20.993	ug/l	97
31) Cyclohexane	7.701	56	154414	18.928	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	163289	20.612	ug/l	99
36) 1,1-Dichloropropene	7.835	75	131556	20.252	ug/l	99
37) Ethyl Acetate	6.982	43	50678	18.572	ug/l	99
38) Carbon Tetrachloride	7.823	117	146099	20.707	ug/l	97
39) Methylcyclohexane	9.109	83	161897	18.926	ug/l	99
40) Benzene	8.079	78	413672	20.662	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023164.D
 Acq On : 20 Aug 2025 10:24
 Operator : SY/MD
 Sample : VY0820SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0820SBS01

Quant Time: Aug 21 01:36:47 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 :Mahesh Dadoda 08/22/2025
 Supervised By :Semsettin Yesilyurt 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	28288	17.963	ug/l	96
42) 1,2-Dichloroethane	8.158	62	102487	19.682	ug/l	99
43) Isopropyl Acetate	8.195	43	95562	17.327	ug/l	98
44) Trichloroethene	8.866	130	109999	21.260	ug/l	98
45) 1,2-Dichloropropane	9.140	63	93662	20.332	ug/l	97
46) Dibromomethane	9.231	93	53516	20.240	ug/l	99
47) Bromodichloromethane	9.420	83	139120	20.448	ug/l	96
48) Methyl methacrylate	9.219	41	46693	17.692	ug/l	98
49) 1,4-Dioxane	9.225	88	11384	367.192	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	254313	89.392	ug/l	100
52) Toluene	10.170	92	260797	20.509	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	119277	19.360	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	143792	19.737	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	72658	20.536	ug/l	99
56) Ethyl methacrylate	10.439	69	78424	17.322	ug/l	99
57) 1,3-Dichloropropane	10.719	76	118529	19.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	197822	92.633	ug/l	99
59) 2-Hexanone	10.762	43	181841	93.868	ug/l	99
60) Dibromochloromethane	10.908	129	94101	20.157	ug/l	98
61) 1,2-Dibromoethane	11.012	107	66546	20.011	ug/l	99
64) Tetrachloroethene	10.646	164	128497	22.474	ug/l	98
65) Chlorobenzene	11.438	112	281033	20.348	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.512	131	95804	20.438	ug/l	97
67) Ethyl Benzene	11.518	91	468705	19.720	ug/l	98
68) m/p-Xylenes	11.627	106	374257	40.317	ug/l	97
69) o-Xylene	11.950	106	169335	19.476	ug/l	97
70) Styrene	11.969	104	286037	20.117	ug/l	98
71) Bromoform	12.133	173	53523	19.537	ug/l #	98
73) Isopropylbenzene	12.255	105	442733	19.372	ug/l	100
74) N-amyl acetate	12.066	43	78737	16.246	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	68865	17.648	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	64111m	20.515	ug/l	
77) Bromobenzene	12.530	156	105703	19.387	ug/l	98
78) n-propylbenzene	12.591	91	535326	19.675	ug/l	99
79) 2-Chlorotoluene	12.676	91	309392	19.846	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	363677	19.690	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	22178	17.179	ug/l	95
82) 4-Chlorotoluene	12.773	91	317186	19.613	ug/l	99
83) tert-Butylbenzene	12.993	119	325943	19.539	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	364461	19.822	ug/l	100
85) sec-Butylbenzene	13.170	105	484397	19.767	ug/l	100
86) p-Isopropyltoluene	13.292	119	402765	19.801	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	218878	20.357	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	213060	19.976	ug/l	98
89) n-Butylbenzene	13.615	91	360095	19.275	ug/l	99
90) Hexachloroethane	13.877	117	83702	20.102	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	185391	19.661	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10613	17.468	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	101300	18.167	ug/l	97
94) Hexachlorobutadiene	15.023	225	64526	19.692	ug/l	100
95) Naphthalene	15.145	128	151141	15.895	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	88110	18.337	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023164.D
Acq On : 20 Aug 2025 10:24
Operator : SY/MD
Sample : VY0820SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/22/2025
Supervised By :Semsettin Yesilyurt 08/22/2025

Quant Time: Aug 21 01:36:47 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)
----------	------	------	----------	------	-------	----------

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

