

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023188.D
 Acq On : 22 Aug 2025 13:09
 Operator : SY/MD
 Sample : Q2893-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Aug 25 05:15:03 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	428341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	691689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	587239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	277329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	204258	50.034	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.060%			
35) Dibromofluoromethane	7.634	113	215342	52.029	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.060%			
50) Toluene-d8	10.103	98	817163	50.540	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.401	95	239763	46.110	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	14498	4.147	ug/l	87
3) Chloromethane	2.074	50	23313	4.117	ug/l	100
4) Vinyl Chloride	2.202	62	30778	4.397	ug/l	97
5) Bromomethane	2.598	94	27180	5.199	ug/l	94
6) Chloroethane	2.732	64	20529	4.411	ug/l	95
7) Trichlorofluoromethane	3.056	101	35390	4.158	ug/l	96
8) Diethyl Ether	3.452	74	11120	4.938	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	20187	4.807	ug/l	98
10) Methyl Iodide	4.000	142	15842	3.496	ug/l	97
11) Tert butyl alcohol	4.848	59	5423	19.387	ug/l #	82
12) 1,1-Dichloroethene	3.793	96	18025	4.367	ug/l	88
13) Acrolein	3.647	56	762	1.860	ug/l	90
14) Allyl chloride	4.385	41	23338	3.843	ug/l	96
15) Acrylonitrile	5.055	53	16984	18.551	ug/l	95
16) Acetone	3.866	43	20230	22.874	ug/l	95
17) Carbon Disulfide	4.110	76	51213	3.805	ug/l	100
18) Methyl Acetate	4.391	43	11706	4.448	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	37937	3.547	ug/l	95
20) Methylene Chloride	4.610	84	47030	7.947	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	19955	4.302	ug/l	91
22) Diisopropyl ether	6.024	45	47262	3.581	ug/l #	92
23) Vinyl Acetate	5.964	43	112474	15.412	ug/l	100
24) 1,1-Dichloroethane	5.915	63	35291	4.374	ug/l	98
25) 2-Butanone	6.896	43	22054	18.335	ug/l #	88
26) 2,2-Dichloropropane	6.884	77	30378	4.363	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	21653	4.038	ug/l	98
28) Bromochloromethane	7.250	49	12908	4.032	ug/l	91
29) Tetrahydrofuran	7.262	42	11648	15.622	ug/l	98
30) Chloroform	7.421	83	36321	4.365	ug/l	92
31) Cyclohexane	7.701	56	34050	4.478	ug/l #	80
32) 1,1,1-Trichloroethane	7.616	97	31808	4.308	ug/l	98
36) 1,1-Dichloropropene	7.829	75	24736	4.022	ug/l	96
37) Ethyl Acetate	6.988	43	8367	3.238	ug/l	96
38) Carbon Tetrachloride	7.811	117	28794	4.310	ug/l	90
39) Methylcyclohexane	9.109	83	31036	3.832	ug/l	97
40) Benzene	8.079	78	81149	4.280	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023188.D
 Acq On : 22 Aug 2025 13:09
 Operator : SY/MD
 Sample : Q2893-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Aug 25 05:15:03 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)
41) Methacrylonitrile	7.238	41	5432m	3.643	ug/l	
42) 1,2-Dichloroethane	8.158	62	20318	4.121	ug/l	99
43) Isopropyl Acetate	8.201	43	17096	3.274	ug/l	97
44) Trichloroethene	8.865	130	20701	4.225	ug/l	96
45) 1,2-Dichloropropane	9.146	63	18679	4.282	ug/l	96
46) Dibromomethane	9.231	93	10348	4.133	ug/l	97
47) Bromodichloromethane	9.426	83	26493	4.112	ug/l	97
48) Methyl methacrylate	9.219	41	7242	2.898	ug/l	88
49) 1,4-Dioxane	9.231	88	1858	63.291	ug/l #	84
51) 4-Methyl-2-Pentanone	9.999	43	41144	15.273	ug/l	98
52) Toluene	10.170	92	49186	4.085	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	20867	3.577	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	25665	3.720	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	13694	4.088	ug/l	90
56) Ethyl methacrylate	10.438	69	13030	3.040	ug/l	96
57) 1,3-Dichloropropane	10.713	76	21375	3.762	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	28173	13.932	ug/l	97
59) 2-Hexanone	10.761	43	26539	14.468	ug/l	99
60) Dibromochloromethane	10.914	129	18061	4.086	ug/l	99
61) 1,2-Dibromoethane	11.018	107	11913	3.783	ug/l	99
64) Tetrachloroethene	10.646	164	22157	4.225	ug/l	95
65) Chlorobenzene	11.438	112	53158	4.197	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	17345	4.035	ug/l	95
67) Ethyl Benzene	11.517	91	82304	3.776	ug/l	95
68) m/p-Xylenes	11.627	106	62628	7.356	ug/l	98
69) o-Xylene	11.956	106	28972	3.633	ug/l	98
70) Styrene	11.969	104	46235	3.546	ug/l	98
71) Bromoform	12.133	173	9867	3.927	ug/l #	97
73) Isopropylbenzene	12.249	105	74409	3.801	ug/l	99
74) N-amyl acetate	12.066	43	12124	2.921	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	13877	4.152	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	9854m	3.682	ug/l	
77) Bromobenzene	12.529	156	19493	4.174	ug/l	98
78) n-propylbenzene	12.596	91	92502	3.969	ug/l	98
79) 2-Chlorotoluene	12.676	91	55877	4.185	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	59197	3.742	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	3956	3.578	ug/l	99
82) 4-Chlorotoluene	12.773	91	56450	4.075	ug/l	99
83) tert-Butylbenzene	12.993	119	55317	3.872	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	57892	3.676	ug/l	99
85) sec-Butylbenzene	13.176	105	79071	3.767	ug/l	100
86) p-Isopropyltoluene	13.285	119	62397	3.582	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	39329	4.271	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	39163	4.287	ug/l	92
89) n-Butylbenzene	13.615	91	59858	3.741	ug/l	97
90) Hexachloroethane	13.877	117	16195	4.541	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	33102	4.099	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2107	4.049	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	17265	3.615	ug/l	96
94) Hexachlorobutadiene	15.023	225	11955	4.260	ug/l	91
95) Naphthalene	15.139	128	23895	2.934	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	13855	3.367	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
Data File : VY023188.D
Acq On : 22 Aug 2025 13:09
Operator : SY/MD
Sample : Q2893-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Manual Integrations
APPROVED

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

Quant Time: Aug 25 05:15:03 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

