

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023220.D
 Acq On : 28 Aug 2025 12:44
 Operator : SY/MD
 Sample : Q2893-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Aug 29 02:56:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:54:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	462195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	746256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	635403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	304407	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	212418	48.222	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.440%
35) Dibromofluoromethane	7.640	113	221162	49.528	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.060%
50) Toluene-d8	10.109	98	844964	48.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.880%
62) 4-Bromofluorobenzene	12.402	95	254403	45.348	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	21390	5.670	ug/l	95
3) Chloromethane	2.074	50	32088	5.251	ug/l	99
4) Vinyl Chloride	2.202	62	39840	5.274	ug/l	95
5) Bromomethane	2.598	94	34244	6.070	ug/l	98
6) Chloroethane	2.739	64	26916	5.360	ug/l	100
7) Trichlorofluoromethane	3.056	101	47272	5.147	ug/l	92
8) Diethyl Ether	3.452	74	12253	5.042	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	24574	5.423	ug/l	94
10) Methyl Iodide	4.007	142	24398	4.990	ug/l	98
11) Tert butyl alcohol	4.866	59	6956	23.046	ug/l	98
12) 1,1-Dichloroethene	3.787	96	24101	5.411	ug/l	86
13) Acrolein	3.659	56	5533	12.517	ug/l	100
14) Allyl chloride	4.385	41	31007	4.731	ug/l	98
15) Acrylonitrile	5.067	53	22786	23.065	ug/l	99
16) Acetone	3.873	43	26149	27.400	ug/l	97
17) Carbon Disulfide	4.110	76	73321	5.049	ug/l	98
18) Methyl Acetate	4.391	43	13931	4.905	ug/l	91
19) Methyl tert-butyl Ether	5.116	73	52567	4.555	ug/l	92
20) Methylene Chloride	4.616	84	36551	6.380	ug/l	90
21) trans-1,2-Dichloroethene	5.122	96	26476	5.290	ug/l	92
22) Diisopropyl ether	6.019	45	64259	4.512	ug/l #	86
23) Vinyl Acetate	5.970	43	161185	20.469	ug/l	99
24) 1,1-Dichloroethane	5.915	63	44186	5.075	ug/l	97
25) 2-Butanone	6.902	43	30392	23.416	ug/l	96
26) 2,2-Dichloropropane	6.890	77	38878	5.175	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	30338	5.243	ug/l	95
28) Bromochloromethane	7.250	49	17700	5.124	ug/l	93
29) Tetrahydrofuran	7.268	42	16586	20.616	ug/l	94
30) Chloroform	7.427	83	47753	5.318	ug/l	100
31) Cyclohexane	7.707	56	42940	5.233	ug/l #	85
32) 1,1,1-Trichloroethane	7.616	97	42678	5.356	ug/l	99
36) 1,1-Dichloropropene	7.835	75	32734	4.933	ug/l	98
37) Ethyl Acetate	6.994	43	11159	4.003	ug/l #	91
38) Carbon Tetrachloride	7.823	117	38764	5.378	ug/l	93
39) Methylcyclohexane	9.109	83	40351	4.617	ug/l	98
40) Benzene	8.079	78	104423	5.105	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023220.D
 Acq On : 28 Aug 2025 12:44
 Operator : SY/MD
 Sample : Q2893-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Aug 29 02:56:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:54:27 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	6127	3.808	ug/l #	87
42) 1,2-Dichloroethane	8.164	62	27001	5.076	ug/l	98
43) Isopropyl Acetate	8.201	43	24512	4.350	ug/l	95
44) Trichloroethene	8.872	130	28787	5.446	ug/l	93
45) 1,2-Dichloropropane	9.140	63	24456	5.197	ug/l	98
46) Dibromomethane	9.231	93	13706	5.074	ug/l	97
47) Bromodichloromethane	9.426	83	35964	5.174	ug/l	98
48) Methyl methacrylate	9.219	41	9843	3.651	ug/l	83
49) 1,4-Dioxane	9.237	88	2839	89.637	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	57177	19.673	ug/l	99
52) Toluene	10.170	92	66510	5.120	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	29069	4.619	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	35103	4.717	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	18926	5.236	ug/l	93
56) Ethyl methacrylate	10.438	69	18269	3.950	ug/l	98
57) 1,3-Dichloropropane	10.719	76	30474	4.971	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	40034	18.350	ug/l	95
59) 2-Hexanone	10.762	43	39345	19.881	ug/l	96
60) Dibromochloromethane	10.908	129	24400	5.116	ug/l	99
61) 1,2-Dibromoethane	11.018	107	16856	4.962	ug/l	98
64) Tetrachloroethene	10.646	164	35555	6.267	ug/l	96
65) Chlorobenzene	11.444	112	73485	5.362	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.511	131	25617	5.507	ug/l	98
67) Ethyl Benzene	11.518	91	111958	4.747	ug/l	95
68) m/p-Xylenes	11.627	106	87954	9.548	ug/l	96
69) o-Xylene	11.950	106	40391	4.682	ug/l	98
70) Styrene	11.969	104	63624	4.509	ug/l	98
71) Bromoform	12.133	173	14414	5.302	ug/l #	99
73) Isopropylbenzene	12.255	105	100620	4.683	ug/l	98
74) N-amyl acetate	12.072	43	16953	3.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	17416	4.747	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	13710m	4.667	ug/l	
77) Bromobenzene	12.530	156	27966	5.456	ug/l	95
78) n-propylbenzene	12.597	91	125763	4.917	ug/l	99
79) 2-Chlorotoluene	12.676	91	75037	5.120	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	82972	4.778	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	5425	4.470	ug/l	93
82) 4-Chlorotoluene	12.773	91	74817	4.921	ug/l	97
83) tert-Butylbenzene	12.993	119	74335	4.740	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	79567	4.603	ug/l	99
85) sec-Butylbenzene	13.176	105	110885	4.813	ug/l	99
86) p-Isopropyltoluene	13.292	119	86616	4.530	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	53744	5.317	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	54967	5.482	ug/l	96
89) n-Butylbenzene	13.615	91	78190	4.452	ug/l	99
90) Hexachloroethane	13.877	117	21628	5.525	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	46103	5.201	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2877	5.037	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	24858	4.742	ug/l	99
94) Hexachlorobutadiene	15.023	225	16939	5.499	ug/l	99
95) Naphthalene	15.145	128	34430	3.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	21359	4.728	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023220.D
Acq On : 28 Aug 2025 12:44
Operator : SY/MD
Sample : Q2893-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

Quant Time: Aug 29 02:56:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 29 02:54:27 2025
Response via : Initial Calibration

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

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

