

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023205.D
 Acq On : 25 Aug 2025 11:34
 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 26 00:12:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 00:10:39 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	439080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	707313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	606474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	291593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	207325	49.543	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.080%		
35) Dibromofluoromethane	7.634	113	216411	51.133	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.260%		
50) Toluene-d8	10.109	98	819157	49.544	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.080%		
62) 4-Bromofluorobenzene	12.401	95	239571	45.055	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	12909	3.602	ug/l	90
3) Chloromethane	2.068	50	20747	3.574	ug/l	96
4) Vinyl Chloride	2.202	62	26494	3.692	ug/l	96
5) Bromomethane	2.598	94	24274	4.530	ug/l	96
6) Chloroethane	2.732	64	18527	3.884	ug/l	97
7) Trichlorofluoromethane	3.056	101	32110	3.680	ug/l	92
8) Diethyl Ether	3.458	74	9680	4.193	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.818	101	17443	4.052	ug/l	98
10) Methyl Iodide	4.007	142	14579	3.139	ug/l	98
11) Tert butyl alcohol	4.866	59	4876m	17.005	ug/l	
12) 1,1-Dichloroethene	3.787	96	16003	3.782	ug/l	96
13) Acrolein	3.659	56	662	1.576	ug/l #	81
14) Allyl chloride	4.385	41	20070m	3.224	ug/l	
15) Acrylonitrile	5.061	53	15777	16.811	ug/l	98
16) Acetone	3.866	43	21054	23.223	ug/l	96
17) Carbon Disulfide	4.110	76	43527	3.155	ug/l	100
18) Methyl Acetate	4.385	43	11002	4.078	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	34732	3.168	ug/l	94
20) Methylene Chloride	4.610	84	34261	6.295	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	16924	3.559	ug/l	93
22) Diisopropyl ether	6.025	45	40163	2.969	ug/l	96
23) Vinyl Acetate	5.964	43	100521	13.437	ug/l	98
24) 1,1-Dichloroethane	5.921	63	29882	3.613	ug/l	96
25) 2-Butanone	6.896	43	21606	17.523	ug/l #	85
26) 2,2-Dichloropropane	6.884	77	25615	3.589	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	19191	3.491	ug/l	97
28) Bromochloromethane	7.244	49	14018	4.272	ug/l	99
29) Tetrahydrofuran	7.262	42	11747	15.370	ug/l	99
30) Chloroform	7.421	83	32568	3.818	ug/l	96
31) Cyclohexane	7.707	56	30874	3.961	ug/l #	68
32) 1,1,1-Trichloroethane	7.616	97	28215	3.728	ug/l	98
36) 1,1-Dichloropropene	7.841	75	21351	3.395	ug/l	97
37) Ethyl Acetate	6.988	43	8917	3.375	ug/l	96
38) Carbon Tetrachloride	7.817	117	25339	3.709	ug/l	92
39) Methylcyclohexane	9.109	83	26988	3.258	ug/l	99
40) Benzene	8.079	78	69078	3.563	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	5506	3.611	ug/l #	70
42) 1,2-Dichloroethane	8.158	62	17432	3.457	ug/l	96
43) Isopropyl Acetate	8.201	43	16678	3.123	ug/l	98
44) Trichloroethene	8.866	130	18912	3.775	ug/l	97
45) 1,2-Dichloropropane	9.140	63	15768	3.535	ug/l	96
46) Dibromomethane	9.231	93	9306	3.635	ug/l	100
47) Bromodichloromethane	9.420	83	24210	3.675	ug/l	98
48) Methyl methacrylate	9.219	41	7611	2.978	ug/l	96
49) 1,4-Dioxane	9.231	88	1803	60.061	ug/l #	81
51) 4-Methyl-2-Pentanone	9.999	43	38158	13.852	ug/l	100
52) Toluene	10.170	92	43836	3.560	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	19159	3.212	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	22687	3.216	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	12318	3.596	ug/l	92
56) Ethyl methacrylate	10.438	69	12495	2.850	ug/l	98
57) 1,3-Dichloropropane	10.719	76	20088	3.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	28354	13.712	ug/l	99
59) 2-Hexanone	10.762	43	28024	14.940	ug/l	97
60) Dibromochloromethane	10.908	129	15698	3.473	ug/l	98
61) 1,2-Dibromoethane	11.011	107	11286	3.505	ug/l	96
64) Tetrachloroethene	10.646	164	20152	3.721	ug/l	97
65) Chlorobenzene	11.438	112	48495	3.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	16471	3.710	ug/l	97
67) Ethyl Benzene	11.518	91	72596	3.225	ug/l	99
68) m/p-Xylenes	11.627	106	56207	6.393	ug/l	94
69) o-Xylene	11.950	106	26809	3.256	ug/l	92
70) Styrene	11.969	104	40250	2.989	ug/l	99
71) Bromoform	12.127	173	9384	3.616	ug/l #	98
73) Isopropylbenzene	12.255	105	65958	3.205	ug/l	99
74) N-amyl acetate	12.072	43	11052	2.532	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.505	83	12673	3.606	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	10822m	3.846	ug/l	
77) Bromobenzene	12.530	156	18722	3.813	ug/l	96
78) n-propylbenzene	12.590	91	82063	3.349	ug/l	99
79) 2-Chlorotoluene	12.676	91	48076	3.425	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	52701	3.168	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	3570m	3.071	ug/l	
82) 4-Chlorotoluene	12.773	91	51328	3.524	ug/l	99
83) tert-Butylbenzene	12.993	119	46260	3.079	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	49477	2.988	ug/l	96
85) sec-Butylbenzene	13.170	105	71020	3.218	ug/l	100
86) p-Isopropyltoluene	13.292	119	56699	3.095	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	35724	3.690	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	36324	3.782	ug/l	94
89) n-Butylbenzene	13.615	91	53376	3.173	ug/l	98
90) Hexachloroethane	13.877	117	14783	3.942	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	30939	3.644	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2150	3.930	ug/l	87
93) 1,2,4-Trichlorobenzene	14.913	180	17124	3.410	ug/l	99
94) Hexachlorobutadiene	15.023	225	11776	3.991	ug/l	96
95) Naphthalene	15.139	128	22628	2.643	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	14604	3.375	ug/l	97

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

