

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023187.D
 Acq On : 22 Aug 2025 12:46
 Operator : SY/MD
 Sample : Q2893-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 25 05:14:11 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	442864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	731025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	621124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	283458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	219463	51.996	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.000%	
35) Dibromofluoromethane	7.634	113	231706	52.971	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.940%	
50) Toluene-d8	10.109	98	855066	50.038	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	12.401	95	251079	45.688	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.380%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	9678	2.677	ug/l	89
3) Chloromethane	2.074	50	14872	2.540	ug/l	97
4) Vinyl Chloride	2.202	62	19344	2.673	ug/l	94
5) Bromomethane	2.598	94	18827	3.483	ug/l	98
6) Chloroethane	2.739	64	13801	2.868	ug/l	91
7) Trichlorofluoromethane	3.056	101	24541	2.789	ug/l	100
8) Diethyl Ether	3.458	74	7602	3.265	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	13266	3.055	ug/l	98
10) Methyl Iodide	4.000	142	10756	2.296	ug/l	96
11) Tert butyl alcohol	4.860	59	3528m	12.199	ug/l	
12) 1,1-Dichloroethene	3.787	96	11524	2.700	ug/l	91
13) Acrolein	3.647	56	559	1.320	ug/l #	60
14) Allyl chloride	4.385	41	15003	2.389	ug/l	96
15) Acrylonitrile	5.061	53	10646	11.247	ug/l	97
16) Acetone	3.866	43	16141	17.652	ug/l	100
17) Carbon Disulfide	4.110	76	33256	2.390	ug/l	97
18) Methyl Acetate	4.385	43	7811	2.870	ug/l #	80
19) Methyl tert-butyl Ether	5.110	73	25682	2.322	ug/l	93
20) Methylene Chloride	4.616	84	50796	8.431	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	12359	2.577	ug/l	90
22) Diisopropyl ether	6.018	45	29424	2.156	ug/l #	79
23) Vinyl Acetate	5.964	43	72263	9.577	ug/l	98
24) 1,1-Dichloroethane	5.915	63	21584	2.587	ug/l	98
25) 2-Butanone	6.896	43	16082	12.931	ug/l	95
26) 2,2-Dichloropropane	6.884	77	18893	2.624	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	14299	2.579	ug/l	96
28) Bromochloromethane	7.244	49	9453	2.856	ug/l	97
29) Tetrahydrofuran	7.262	42	7660	9.937	ug/l	97
30) Chloroform	7.421	83	22986	2.672	ug/l	94
31) Cyclohexane	7.701	56	26441	3.363	ug/l #	67
32) 1,1,1-Trichloroethane	7.616	97	20526	2.689	ug/l	99
36) 1,1-Dichloropropene	7.829	75	16489	2.536	ug/l	98
37) Ethyl Acetate	6.994	43	6162m	2.257	ug/l	
38) Carbon Tetrachloride	7.817	117	18422	2.609	ug/l	99
39) Methylcyclohexane	9.103	83	20780	2.427	ug/l	91
40) Benzene	8.079	78	49950	2.493	ug/l	94

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41) Methacrylonitrile	7.232	41	3412m	2.165	ug/l	
42) 1,2-Dichloroethane	8.158	62	12773	2.451	ug/l	99
43) Isopropyl Acetate	8.195	43	10974	1.988	ug/l #	91
44) Trichloroethene	8.872	130	13787	2.663	ug/l	85
45) 1,2-Dichloropropane	9.140	63	11549	2.505	ug/l #	88
46) Dibromomethane	9.231	93	6888	2.603	ug/l	95
47) Bromodichloromethane	9.420	83	17503	2.571	ug/l	97
48) Methyl methacrylate	9.225	41	5737	2.172	ug/l	94
49) 1,4-Dioxane	9.237	88	1182	38.097	ug/l #	64
51) 4-Methyl-2-Pentanone	9.999	43	27335	9.601	ug/l	97
52) Toluene	10.170	92	31840	2.502	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	13548	2.197	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	16633	2.281	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	8625	2.436	ug/l	94
56) Ethyl methacrylate	10.438	69	8509	1.878	ug/l #	92
57) 1,3-Dichloropropane	10.719	76	14367	2.393	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	18244	8.537	ug/l	99
59) 2-Hexanone	10.761	43	19899	10.264	ug/l	97
60) Dibromochloromethane	10.908	129	11576	2.478	ug/l	96
61) 1,2-Dibromoethane	11.011	107	7807	2.346	ug/l	97
64) Tetrachloroethene	10.646	164	16215	2.924	ug/l	95
65) Chlorobenzene	11.438	112	35637	2.660	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	11829	2.601	ug/l	98
67) Ethyl Benzene	11.517	91	55184	2.393	ug/l	100
68) m/p-Xylenes	11.627	106	40070	4.450	ug/l	99
69) o-Xylene	11.950	106	19624	2.327	ug/l	96
70) Styrene	11.969	104	29818	2.162	ug/l	99
71) Bromoform	12.133	173	6314	2.376	ug/l #	97
73) Isopropylbenzene	12.255	105	47634	2.381	ug/l	97
74) N-amyl acetate	12.072	43	8401	1.980	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	8938	2.617	ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	7773m	2.841	ug/l	
77) Bromobenzene	12.529	156	13907	2.914	ug/l	97
78) n-propylbenzene	12.590	91	62006	2.603	ug/l	98
79) 2-Chlorotoluene	12.676	91	36805	2.697	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	38201	2.363	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	2638m	2.334	ug/l	
82) 4-Chlorotoluene	12.773	91	37900	2.677	ug/l	100
83) tert-Butylbenzene	12.993	119	35759	2.449	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	37420	2.325	ug/l	99
85) sec-Butylbenzene	13.176	105	53682	2.502	ug/l	100
86) p-Isopropyltoluene	13.292	119	41323	2.321	ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	25697	2.730	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	28293	3.030	ug/l	92
89) n-Butylbenzene	13.615	91	39810	2.434	ug/l	98
90) Hexachloroethane	13.877	117	10647	2.921	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	23464	2.843	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1361	2.559	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	13449	2.755	ug/l	97
94) Hexachlorobutadiene	15.023	225	8765	3.056	ug/l	96
95) Naphthalene	15.145	128	19538	2.347	ug/l	96
96) 1,2,3-Trichlorobenzene	15.328	180	11883	2.825	ug/l	98

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

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