

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023238.D
 Acq On : 29 Aug 2025 11:34
 Operator : SY/MD
 Sample : Q2893-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Aug 30 01:30:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 30 01:27:05 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025
 Supervised By :Mahesh Dadoda 09/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	433728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	704289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	605940	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	292742	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	199699	48.310	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.620%
35) Dibromofluoromethane	7.640	113	209026	49.600	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.200%
50) Toluene-d8	10.109	98	762844	46.336	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.680%
62) 4-Bromofluorobenzene	12.401	95	228368	43.133	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.260%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.866	85	13733	3.879	ug/l	94
3) Chloromethane	2.074	50	22216	3.874	ug/l	97
4) Vinyl Chloride	2.208	62	27877	3.933	ug/l	99
5) Bromomethane	2.598	94	27239	5.146	ug/l	90
6) Chloroethane	2.738	64	20524	4.355	ug/l	100
7) Trichlorofluoromethane	3.061	101	36355	4.218	ug/l	97
8) Diethyl Ether	3.458	74	14422	6.325	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.823	101	19963	4.695	ug/l	99
10) Methyl Iodide	4.006	142	16406	3.576	ug/l	95
11) Tert butyl alcohol	4.860	59	5711	20.163	ug/l	99
12) 1,1-Dichloroethene	3.793	96	18211	4.357	ug/l	83
13) Acrolein	3.659	56	558	1.345	ug/l	99
14) Allyl chloride	4.390	41	22173	3.605	ug/l	96
15) Acrylonitrile	5.061	53	18621	20.086	ug/l	94
16) Acetone	3.872	43	22328	24.932	ug/l	96
17) Carbon Disulfide	4.110	76	49851	3.658	ug/l	99
18) Methyl Acetate	4.384	43	13644	5.120	ug/l	94
19) Methyl tert-butyl Ether	5.128	73	40667	3.755	ug/l	97
20) Methylene Chloride	4.622	84	61068	11.360	ug/l	88
21) trans-1,2-Dichloroethene	5.122	96	19522	4.156	ug/l	89
22) Diisopropyl ether	6.018	45	46055	3.446	ug/l	91
23) Vinyl Acetate	5.963	43	113534	15.364	ug/l	98
24) 1,1-Dichloroethane	5.921	63	34509	4.224	ug/l	98
25) 2-Butanone	6.896	43	24146	19.825	ug/l	98
26) 2,2-Dichloropropane	6.890	77	30564	4.335	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	21315	3.925	ug/l	99
28) Bromochloromethane	7.250	49	13951	4.304	ug/l	99
29) Tetrahydrofuran	7.268	42	13119	17.377	ug/l	96
30) Chloroform	7.426	83	37183	4.413	ug/l	94
31) Cyclohexane	7.707	56	33293	4.324	ug/l #	74
32) 1,1,1-Trichloroethane	7.615	97	32831	4.391	ug/l	96
36) 1,1-Dichloropropene	7.835	75	24790	3.958	ug/l	99
37) Ethyl Acetate	6.994	43	9635	3.662	ug/l	98
38) Carbon Tetrachloride	7.823	117	28238	4.151	ug/l	93
39) Methylcyclohexane	9.115	83	30510	3.699	ug/l	94
40) Benzene	8.085	78	81056	4.199	ug/l	97

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Reviewed By :Semsettin Yesilyurt 09/03/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.250	41	6043m	3.980	ug/l	
42) 1,2-Dichloroethane	8.158	62	20094	4.002	ug/l	98
43) Isopropyl Acetate	8.195	43	18647	3.507	ug/l	95
44) Trichloroethene	8.871	130	22271	4.465	ug/l	94
45) 1,2-Dichloropropane	9.140	63	18109	4.077	ug/l	98
46) Dibromomethane	9.231	93	11219	4.401	ug/l	98
47) Bromodichloromethane	9.426	83	27762	4.232	ug/l	97
48) Methyl methacrylate	9.225	41	7375	2.898	ug/l #	78
49) 1,4-Dioxane	9.225	88	2531	84.674	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	45199	16.479	ug/l	99
52) Toluene	10.176	92	49085	4.004	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	21969	3.698	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	25512	3.632	ug/l	94
55) 1,1,2-Trichloroethane	10.572	97	13880	4.069	ug/l	97
56) Ethyl methacrylate	10.438	69	14373	3.293	ug/l	99
57) 1,3-Dichloropropane	10.719	76	22571	3.902	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	31628	15.361	ug/l	97
59) 2-Hexanone	10.761	43	31325	16.772	ug/l	95
60) Dibromochloromethane	10.914	129	19120	4.248	ug/l	99
61) 1,2-Dibromoethane	11.017	107	12902	4.024	ug/l	98
64) Tetrachloroethene	10.645	164	25908	4.788	ug/l	97
65) Chlorobenzene	11.444	112	54867	4.198	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	19665	4.433	ug/l	98
67) Ethyl Benzene	11.517	91	83025	3.691	ug/l	95
68) m/p-Xylenes	11.627	106	64480	7.340	ug/l	97
69) o-Xylene	11.956	106	29371	3.570	ug/l	98
70) Styrene	11.968	104	48313	3.591	ug/l	98
71) Bromoform	12.133	173	11825	4.561	ug/l #	98
73) Isopropylbenzene	12.255	105	76755	3.715	ug/l	98
74) N-amyl acetate	12.072	43	13256	3.025	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	14123	4.003	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	11652m	4.124	ug/l	
77) Bromobenzene	12.529	156	20740	4.208	ug/l	96
78) n-propylbenzene	12.596	91	95489	3.882	ug/l	99
79) 2-Chlorotoluene	12.676	91	56771	4.028	ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	61553	3.686	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	3811	3.265	ug/l #	83
82) 4-Chlorotoluene	12.773	91	57205	3.913	ug/l	97
83) tert-Butylbenzene	12.999	119	55474	3.678	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	60295	3.627	ug/l	99
85) sec-Butylbenzene	13.175	105	82464	3.722	ug/l	99
86) p-Isopropyltoluene	13.291	119	64913	3.530	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	41020	4.220	ug/l	98
88) 1,4-Dichlorobenzene	13.364	146	43101	4.470	ug/l	93
89) n-Butylbenzene	13.614	91	60405	3.576	ug/l	96
90) Hexachloroethane	13.877	117	16892	4.487	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	36780	4.314	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2674	4.868	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	19892	3.946	ug/l	99
94) Hexachlorobutadiene	15.023	225	13266	4.478	ug/l	96
95) Naphthalene	15.145	128	29097	3.385	ug/l	98
96) 1,2,3-Trichlorobenzene	15.327	180	17776	4.092	ug/l	98

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QLast Update : Sat Aug 30 01:27:05 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

