

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022444.D
 Acq On : 28 May 2025 11:40
 Operator : SY/MD
 Sample : Q2126-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: May 29 01:53:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
 Supervised By :Semsettin Yesilyurt 05/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	217452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	377951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	307961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	132317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114860	50.148	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.300%			
35) Dibromofluoromethane	7.634	113	108785	49.148	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.300%			
50) Toluene-d8	10.109	98	446562	49.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.980%			
62) 4-Bromofluorobenzene	12.408	95	123282	45.169	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	13209	6.367	ug/l	97
3) Chloromethane	2.068	50	31115	6.097	ug/l	99
4) Vinyl Chloride	2.202	62	35803	5.775	ug/l	99
5) Bromomethane	2.598	94	34297	6.088	ug/l	95
6) Chloroethane	2.739	64	24572	6.065	ug/l	99
7) Trichlorofluoromethane	3.050	101	30439	5.819	ug/l	99
8) Diethyl Ether	3.464	74	6452	5.350	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	13487	5.877	ug/l	99
10) Methyl Iodide	4.007	142	12205	4.714	ug/l	98
11) Tert butyl alcohol	4.872	59	4300m	26.634	ug/l	
12) 1,1-Dichloroethene	3.787	96	12818	5.626	ug/l	94
13) Acrolein	3.659	56	5915	24.452	ug/l #	82
14) Allyl chloride	4.391	41	19615	5.723	ug/l	98
15) Acrylonitrile	5.055	53	12730m	26.186	ug/l	
16) Acetone	3.873	43	11271m	29.946	ug/l	
17) Carbon Disulfide	4.110	76	41767	5.745	ug/l	98
18) Methyl Acetate	4.385	43	6496	4.607	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	32273	5.336	ug/l #	86
20) Methylene Chloride	4.616	84	19475	7.328	ug/l #	91
21) trans-1,2-Dichloroethene	5.116	96	14311	5.754	ug/l	90
22) Diisopropyl ether	6.019	45	40914	5.409	ug/l #	95
23) Vinyl Acetate	5.964	43	113437	26.120	ug/l	100
24) 1,1-Dichloroethane	5.915	63	24838	5.557	ug/l	99
25) 2-Butanone	6.903	43	15953	25.451	ug/l	95
26) 2,2-Dichloropropane	6.890	77	22491	5.557	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	15880	5.515	ug/l	98
28) Bromochloromethane	7.250	49	9836	5.270	ug/l	96
29) Tetrahydrofuran	7.262	42	10660	25.500	ug/l	99
30) Chloroform	7.421	83	24872	5.648	ug/l	94
31) Cyclohexane	7.701	56	28815	6.540	ug/l #	81
32) 1,1,1-Trichloroethane	7.610	97	21920	5.484	ug/l	98
36) 1,1-Dichloropropene	7.841	75	19339	5.506	ug/l	99
37) Ethyl Acetate	6.988	43	7989	5.352	ug/l #	93
38) Carbon Tetrachloride	7.829	117	19265	5.265	ug/l	96
39) Methylcyclohexane	9.109	83	25646	5.493	ug/l	96
40) Benzene	8.079	78	56318	5.389	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	5517m	6.090	ug/l	
42) 1,2-Dichloroethane	8.152	62	14647	5.306	ug/l	96
43) Isopropyl Acetate	8.195	43	16520	5.065	ug/l	98
44) Trichloroethene	8.866	130	14085	5.452	ug/l	88
45) 1,2-Dichloropropane	9.146	63	13177	5.366	ug/l #	89
46) Dibromomethane	9.231	93	6817	4.970	ug/l	99
47) Bromodichloromethane	9.426	83	17281	4.899	ug/l	91
48) Methyl methacrylate	9.225	41	7161	4.730	ug/l	98
49) 1,4-Dioxane	9.244	88	1514	99.927	ug/l #	79
51) 4-Methyl-2-Pentanone	10.000	43	36445	22.646	ug/l	99
52) Toluene	10.170	92	34138	5.230	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	15395	4.685	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	18822	4.875	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	8886	5.124	ug/l	94
56) Ethyl methacrylate	10.438	69	12484	5.016	ug/l	99
57) 1,3-Dichloropropane	10.719	76	15466	5.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	25126	20.257	ug/l	97
59) 2-Hexanone	10.762	43	23569	22.347	ug/l	96
60) Dibromochloromethane	10.914	129	10507	4.743	ug/l	96
61) 1,2-Dibromoethane	11.018	107	7373	4.648	ug/l	93
64) Tetrachloroethene	10.652	164	15120	5.765	ug/l	91
65) Chlorobenzene	11.444	112	36034	5.487	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.518	131	11605	5.216	ug/l	97
67) Ethyl Benzene	11.524	91	64645	5.302	ug/l	98
68) m/p-Xylenes	11.633	106	46249	10.005	ug/l	100
69) o-Xylene	11.957	106	22035	5.072	ug/l	98
70) Styrene	11.975	104	35874	4.959	ug/l	98
71) Bromoform	12.133	173	5718	4.907	ug/l #	96
73) Isopropylbenzene	12.255	105	57689	5.540	ug/l	100
74) N-amyl acetate	12.072	43	12426	4.876	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	9024	5.500	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	7008m	5.288	ug/l	
77) Bromobenzene	12.536	156	12721	5.676	ug/l	98
78) n-propylbenzene	12.597	91	72456	5.798	ug/l	99
79) 2-Chlorotoluene	12.682	91	38079	5.629	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	45653	5.611	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	2756	4.703	ug/l	94
82) 4-Chlorotoluene	12.780	91	40147	5.762	ug/l	97
83) tert-Butylbenzene	12.999	119	40945	5.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	44267	5.406	ug/l	99
85) sec-Butylbenzene	13.176	105	63628	5.836	ug/l	100
86) p-Isopropyltoluene	13.292	119	48843	5.365	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	24879	5.517	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	24930	5.782	ug/l	94
89) n-Butylbenzene	13.621	91	48231	5.650	ug/l	100
90) Hexachloroethane	13.877	117	9924	5.478	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	20784	5.518	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1228	4.844	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	11847	5.674	ug/l	97
94) Hexachlorobutadiene	15.029	225	6939	6.333	ug/l	95
95) Naphthalene	15.145	128	19728	5.111	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	9635	5.627	ug/l	95

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

