

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022445.D
 Acq On : 28 May 2025 12:03
 Operator : SY/MD
 Sample : Q2126-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

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

Quant Time: May 29 01:54:52 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	209734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	370671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	305181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	133378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119230	53.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.940%			
35) Dibromofluoromethane	7.640	113	108599	50.028	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.060%			
50) Toluene-d8	10.109	98	445737	50.370	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.740%			
62) 4-Bromofluorobenzene	12.408	95	127222	47.528	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	5612	2.805	ug/l	99
3) Chloromethane	2.062	50	17444	3.544	ug/l	95
4) Vinyl Chloride	2.202	62	18253	3.053	ug/l	97
5) Bromomethane	2.592	94	19073	3.510	ug/l	96
6) Chloroethane	2.732	64	12494	3.198	ug/l	93
7) Trichlorofluoromethane	3.049	101	15440	3.060	ug/l	97
8) Diethyl Ether	3.464	74	3035	2.609	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.812	101	5618	2.538	ug/l	96
10) Methyl Iodide	4.013	142	5427	2.173	ug/l	96
11) Tert butyl alcohol	4.860	59	2312m	14.848	ug/l	
12) 1,1-Dichloroethene	3.787	96	6093	2.773	ug/l	93
13) Acrolein	3.653	56	3104	13.304	ug/l #	83
14) Allyl chloride	4.385	41	9006	2.725	ug/l	94
15) Acrylonitrile	5.067	53	6374	13.594	ug/l	97
16) Acetone	3.879	43	5179	14.267	ug/l #	82
17) Carbon Disulfide	4.098	76	18834	2.686	ug/l	98
18) Methyl Acetate	4.391	43	3789	2.786	ug/l #	89
19) Methyl tert-butyl Ether	5.122	73	15513	2.659	ug/l #	85
20) Methylene Chloride	4.616	84	13025	5.081	ug/l #	97
21) trans-1,2-Dichloroethene	5.110	96	6295	2.624	ug/l	97
22) Diisopropyl ether	6.012	45	19254	2.639	ug/l	90
23) Vinyl Acetate	5.964	43	51775	12.360	ug/l	99
24) 1,1-Dichloroethane	5.915	63	11137	2.584	ug/l #	96
25) 2-Butanone	6.902	43	8262	13.666	ug/l #	77
26) 2,2-Dichloropropane	6.878	77	9766	2.502	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	7586	2.732	ug/l	96
28) Bromochloromethane	7.250	49	5216	2.898	ug/l	98
29) Tetrahydrofuran	7.268	42	5805	14.397	ug/l	96
30) Chloroform	7.421	83	11180	2.632	ug/l	98
31) Cyclohexane	7.707	56	15905	3.743	ug/l #	83
32) 1,1,1-Trichloroethane	7.616	97	10082	2.615	ug/l	95
36) 1,1-Dichloropropene	7.841	75	8554	2.483	ug/l	98
37) Ethyl Acetate	6.988	43	4119	2.814	ug/l	96
38) Carbon Tetrachloride	7.823	117	8807	2.454	ug/l	90
39) Methylcyclohexane	9.115	83	11384	2.486	ug/l	95
40) Benzene	8.079	78	25586	2.496	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	2114m	2.379	ug/l	
42) 1,2-Dichloroethane	8.158	62	7455	2.754	ug/l	96
43) Isopropyl Acetate	8.207	43	8145	2.546	ug/l	99
44) Trichloroethene	8.866	130	6507	2.568	ug/l	82
45) 1,2-Dichloropropane	9.146	63	5730	2.379	ug/l	93
46) Dibromomethane	9.237	93	3409	2.534	ug/l	96
47) Bromodichloromethane	9.420	83	8076	2.334	ug/l #	77
48) Methyl methacrylate	9.225	41	3606	2.428	ug/l	98
49) 1,4-Dioxane	9.225	88	730m	49.128	ug/l	
51) 4-Methyl-2-Pentanone	9.999	43	18051	11.437	ug/l	99
52) Toluene	10.170	92	14977	2.339	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	7451	2.312	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	8984	2.373	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	4246	2.496	ug/l	86
56) Ethyl methacrylate	10.445	69	5676	2.325	ug/l	96
57) 1,3-Dichloropropane	10.719	76	7548	2.518	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	14357	11.802	ug/l	98
59) 2-Hexanone	10.762	43	11681	11.293	ug/l	98
60) Dibromochloromethane	10.908	129	5161	2.375	ug/l	98
61) 1,2-Dibromoethane	11.011	107	3932	2.527	ug/l	99
64) Tetrachloroethene	10.646	164	6418	2.469	ug/l	93
65) Chlorobenzene	11.444	112	16217	2.492	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	5361	2.432	ug/l	98
67) Ethyl Benzene	11.524	91	27230	2.254	ug/l	94
68) m/p-Xylenes	11.633	106	21969	4.796	ug/l	94
69) o-Xylene	11.950	106	10348	2.403	ug/l	91
70) Styrene	11.969	104	15910	2.219	ug/l	97
71) Bromoform	12.127	173	2831	2.451	ug/l #	97
73) Isopropylbenzene	12.255	105	24615	2.345	ug/l	99
74) N-amyl acetate	12.072	43	5930	2.309	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	4437	2.683	ug/l	94
76) 1,2,3-Trichloropropane	12.560	75	4330m	3.241	ug/l	
77) Bromobenzene	12.530	156	5784	2.560	ug/l	90
78) n-propylbenzene	12.597	91	31274	2.483	ug/l	97
79) 2-Chlorotoluene	12.682	91	17241	2.528	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	19956	2.433	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	1716m	2.905	ug/l	
82) 4-Chlorotoluene	12.779	91	17861	2.543	ug/l	99
83) tert-Butylbenzene	12.999	119	18109	2.444	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	19373	2.347	ug/l	98
85) sec-Butylbenzene	13.176	105	25758	2.344	ug/l	98
86) p-Isopropyltoluene	13.292	119	21659	2.360	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	11079	2.437	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	11136	2.562	ug/l	83
89) n-Butylbenzene	13.615	91	20720	2.408	ug/l	97
90) Hexachloroethane	13.877	117	4500	2.464	ug/l	92
91) 1,2-Dichlorobenzene	13.657	146	9665	2.546	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.279	75	660	2.582	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	5354	2.544	ug/l	99
94) Hexachlorobutadiene	15.029	225	3037	2.750	ug/l	96
95) Naphthalene	15.145	128	9679	2.488	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	4609	2.670	ug/l	92

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

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