

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022446.D
 Acq On : 28 May 2025 12:25
 Operator : SY/MD
 Sample : Q2126-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 29 01:56:01 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	7.713	168	212002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	307473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	136413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119051	53.314	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.620%			
35) Dibromofluoromethane	7.634	113	111806	51.928	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.860%			
50) Toluene-d8	10.109	98	444614	50.656	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.320%			
62) 4-Bromofluorobenzene	12.408	95	125022	47.090	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	8615	4.259	ug/l	97
3) Chloromethane	2.068	50	27255	5.478	ug/l	96
4) Vinyl Chloride	2.202	62	30424	5.034	ug/l	99
5) Bromomethane	2.592	94	34055	6.200	ug/l	92
6) Chloroethane	2.733	64	21975	5.564	ug/l	96
7) Trichlorofluoromethane	3.050	101	26372	5.171	ug/l	92
8) Diethyl Ether	3.452	74	5344	4.545	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.812	101	8941	3.996	ug/l	96
10) Methyl Iodide	4.007	142	8785	3.481	ug/l	97
11) Tert butyl alcohol	4.891	59	3764	23.914	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	9442	4.251	ug/l	94
13) Acrolein	3.659	56	5466	23.176	ug/l	97
14) Allyl chloride	4.385	41	14326	4.288	ug/l	98
15) Acrylonitrile	5.061	53	10483	22.118	ug/l	97
16) Acetone	3.879	43	8916	24.298	ug/l	96
17) Carbon Disulfide	4.104	76	29131	4.110	ug/l	100
18) Methyl Acetate	4.397	43	7075	5.147	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	26201	4.443	ug/l	96
20) Methylene Chloride	4.616	84	15825	6.107	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	10071	4.153	ug/l	90
22) Diisopropyl ether	6.025	45	31049	4.211	ug/l #	94
23) Vinyl Acetate	5.958	43	88829	20.979	ug/l	99
24) 1,1-Dichloroethane	5.915	63	18639	4.278	ug/l	98
25) 2-Butanone	6.896	43	13198	21.597	ug/l	98
26) 2,2-Dichloropropane	6.878	77	16600	4.207	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	11718	4.174	ug/l	99
28) Bromochloromethane	7.250	49	8190	4.501	ug/l	100
29) Tetrahydrofuran	7.268	42	9647	23.670	ug/l	99
30) Chloroform	7.421	83	18070	4.209	ug/l	97
31) Cyclohexane	7.701	56	22294	5.190	ug/l #	81
32) 1,1,1-Trichloroethane	7.616	97	16226	4.164	ug/l	99
36) 1,1-Dichloropropene	7.835	75	14513	4.248	ug/l	97
37) Ethyl Acetate	6.994	43	6711m	4.622	ug/l	
38) Carbon Tetrachloride	7.817	117	13792	3.875	ug/l	96
39) Methylcyclohexane	9.110	83	18385	4.048	ug/l	97
40) Benzene	8.079	78	41895	4.121	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	3951m	4.483	ug/l	
42) 1,2-Dichloroethane	8.158	62	11719	4.365	ug/l	99
43) Isopropyl Acetate	8.201	43	13569	4.277	ug/l	99
44) Trichloroethene	8.872	130	10076	4.009	ug/l	89
45) 1,2-Dichloropropane	9.146	63	9863	4.129	ug/l	94
46) Dibromomethane	9.238	93	5721	4.287	ug/l	98
47) Bromodichloromethane	9.427	83	13414	3.909	ug/l	91
48) Methyl methacrylate	9.225	41	6178	4.195	ug/l	94
49) 1,4-Dioxane	9.244	88	1038	70.429	ug/l #	60
51) 4-Methyl-2-Pentanone	10.000	43	31600	20.185	ug/l	99
52) Toluene	10.176	92	24442	3.849	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	12818	4.010	ug/l #	84
54) cis-1,3-Dichloropropene	9.859	75	14744	3.926	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	6747	3.999	ug/l	96
56) Ethyl methacrylate	10.439	69	9630	3.978	ug/l	96
57) 1,3-Dichloropropane	10.713	76	12894	4.337	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.713	63	24946	20.675	ug/l	95
59) 2-Hexanone	10.762	43	21161	20.626	ug/l	100
60) Dibromochloromethane	10.908	129	8500	3.944	ug/l	94
61) 1,2-Dibromoethane	11.018	107	6410	4.154	ug/l	96
64) Tetrachloroethene	10.652	164	10351	3.953	ug/l	88
65) Chlorobenzene	11.444	112	26218	3.999	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	8320	3.745	ug/l	94
67) Ethyl Benzene	11.518	91	45134	3.708	ug/l	98
68) m/p-Xylenes	11.627	106	33413	7.239	ug/l	95
69) o-Xylene	11.957	106	15681	3.615	ug/l	95
70) Styrene	11.969	104	27004	3.739	ug/l	98
71) Bromoform	12.127	173	4940	4.246	ug/l #	99
73) Isopropylbenzene	12.255	105	41690	3.883	ug/l	99
74) N-amyl acetate	12.072	43	10866	4.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	7160	4.233	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	6720m	4.918	ug/l	
77) Bromobenzene	12.536	156	9312	4.030	ug/l	96
78) n-propylbenzene	12.597	91	51896	4.028	ug/l	100
79) 2-Chlorotoluene	12.682	91	28030	4.019	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	32072	3.823	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.298	75	2370	3.922	ug/l	89
82) 4-Chlorotoluene	12.774	91	28496	3.967	ug/l	97
83) tert-Butylbenzene	12.999	119	29094	3.839	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	32384	3.836	ug/l	99
85) sec-Butylbenzene	13.176	105	43062	3.831	ug/l	98
86) p-Isopropyltoluene	13.292	119	34598	3.686	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	18041	3.881	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	17631	3.966	ug/l	89
89) n-Butylbenzene	13.615	91	32603	3.705	ug/l	96
90) Hexachloroethane	13.877	117	7579	4.058	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	15359	3.956	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1232	4.713	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	8544	3.969	ug/l	98
94) Hexachlorobutadiene	15.023	225	4493	3.977	ug/l	99
95) Naphthalene	15.145	128	15007	3.771	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.328	180	7666	4.342	ug/l	93

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

