

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022049.D
 Acq On : 29 Apr 2025 10:53
 Operator : SY/MD
 Sample : VY0429SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/30/2025
 Supervised By : Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:32:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	291903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	448136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	409949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	218010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132942	49.306	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.620%		
35) Dibromofluoromethane	7.634	113	151267	51.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.180%		
50) Toluene-d8	10.109	98	574864	51.504	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.000%		
62) 4-Bromofluorobenzene	12.408	95	189774	50.506	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	50434	20.277	ug/l	100
3) Chloromethane	2.068	50	74819	21.125	ug/l	100
4) Vinyl Chloride	2.202	62	86763	19.936	ug/l	98
5) Bromomethane	2.592	94	81132	21.638	ug/l	98
6) Chloroethane	2.732	64	60515	20.416	ug/l	97
7) Trichlorofluoromethane	3.050	101	117953	20.553	ug/l	95
8) Diethyl Ether	3.458	74	29207	19.553	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	62852	20.189	ug/l	100
10) Methyl Iodide	4.001	142	72159	20.019	ug/l	99
11) Tert butyl alcohol	4.891	59	14560	98.364	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	58514	20.164	ug/l	94
13) Acrolein	3.653	56	25330	95.343	ug/l	98
14) Allyl chloride	4.379	41	65987	19.529	ug/l	99
15) Acrylonitrile	5.067	53	54870	100.340	ug/l	97
16) Acetone	3.879	43	38055	94.548	ug/l	90
17) Carbon Disulfide	4.104	76	183685	19.853	ug/l	98
18) Methyl Acetate	4.385	43	27586	21.903	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	128332	19.759	ug/l	98
20) Methylene Chloride	4.610	84	67632	19.837	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	65695	20.215	ug/l	95
22) Diisopropyl ether	6.018	45	152428	20.272	ug/l	96
23) Vinyl Acetate	5.964	43	394142	97.261	ug/l	99
24) 1,1-Dichloroethane	5.921	63	105238	20.191	ug/l	99
25) 2-Butanone	6.896	43	59219	96.354	ug/l	96
26) 2,2-Dichloropropane	6.884	77	93930	20.562	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73804	20.310	ug/l	99
28) Bromochloromethane	7.244	49	42480	20.983	ug/l	99
29) Tetrahydrofuran	7.262	42	38986	97.667	ug/l	98
30) Chloroform	7.421	83	119936	20.745	ug/l	99
31) Cyclohexane	7.701	56	86354	19.375	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	107276	20.510	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81364	20.459	ug/l	99
37) Ethyl Acetate	6.982	43	28671	20.073	ug/l	97
38) Carbon Tetrachloride	7.817	117	100223	21.090	ug/l	94
39) Methylcyclohexane	9.109	83	97715	19.525	ug/l	94
40) Benzene	8.079	78	259113	20.843	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	14935	19.128	ug/l	94
42) 1,2-Dichloroethane	8.158	62	63977	20.786	ug/l	99
43) Isopropyl Acetate	8.195	43	54414	19.838	ug/l	97
44) Trichloroethene	8.866	130	73238	21.269	ug/l	99
45) 1,2-Dichloropropane	9.140	63	58177	21.161	ug/l	96
46) Dibromomethane	9.231	93	36339	21.115	ug/l	100
47) Bromodichloromethane	9.426	83	90012	20.937	ug/l	99
48) Methyl methacrylate	9.219	41	24153	19.048	ug/l	91
49) 1,4-Dioxane	9.237	88	7262	395.905	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	145133	100.935	ug/l	99
52) Toluene	10.170	92	170433	21.179	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	74659	20.246	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	91589	20.894	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	48989	21.310	ug/l	96
56) Ethyl methacrylate	10.438	69	50609	19.251	ug/l	97
57) 1,3-Dichloropropane	10.719	76	76028	20.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	130145	101.254	ug/l	99
59) 2-Hexanone	10.762	43	92347	97.370	ug/l	97
60) Dibromochloromethane	10.908	129	66559	20.913	ug/l	100
61) 1,2-Dibromoethane	11.018	107	45004	20.737	ug/l	100
64) Tetrachloroethene	10.646	164	82533	21.341	ug/l	99
65) Chlorobenzene	11.438	112	189085	20.626	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	67699	20.976	ug/l	99
67) Ethyl Benzene	11.518	91	300699	20.051	ug/l	98
68) m/p-Xylenes	11.627	106	246885	41.372	ug/l	100
69) o-Xylene	11.956	106	112115	20.384	ug/l	100
70) Styrene	11.969	104	191054	20.688	ug/l	99
71) Bromoform	12.133	173	38927	20.745	ug/l #	99
73) Isopropylbenzene	12.255	105	290274	19.929	ug/l	100
74) N-amyl acetate	12.066	43	45873	18.331	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	51744	21.071	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	36486m	19.539	ug/l	
77) Bromobenzene	12.530	156	75612	20.544	ug/l	99
78) n-propylbenzene	12.597	91	351661	20.274	ug/l	99
79) 2-Chlorotoluene	12.682	91	204997	20.322	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	244799	20.398	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	15043	19.399	ug/l	97
82) 4-Chlorotoluene	12.773	91	216790	20.674	ug/l	99
83) tert-Butylbenzene	12.999	119	216972	20.159	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	247217	20.595	ug/l	100
85) sec-Butylbenzene	13.176	105	318982	20.253	ug/l	99
86) p-Isopropyltoluene	13.292	119	269435	20.146	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	155202	20.762	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	153508	20.735	ug/l	99
89) n-Butylbenzene	13.615	91	231371	19.355	ug/l	99
90) Hexachloroethane	13.877	117	59236	20.159	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	133628	20.496	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7437	19.035	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	72581	19.645	ug/l	98
94) Hexachlorobutadiene	15.023	225	47255	20.788	ug/l	96
95) Naphthalene	15.145	128	112172	18.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	64078	20.092	ug/l	98

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

