

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022048.D
 Acq On : 29 Apr 2025 10:31
 Operator : SY/MD
 Sample : VY0429SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0429SBS01

Quant Time: Apr 30 01:32:35 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	295160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	411306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	220609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131819	48.350	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.700%		
35) Dibromofluoromethane	7.634	113	150994	50.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.340%		
50) Toluene-d8	10.103	98	577886	50.927	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.860%		
62) 4-Bromofluorobenzene	12.408	95	189577	49.628	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48376	19.235	ug/l	98
3) Chloromethane	2.068	50	72643	20.285	ug/l	99
4) Vinyl Chloride	2.202	62	83728	19.026	ug/l	98
5) Bromomethane	2.592	94	73982	19.513	ug/l	93
6) Chloroethane	2.733	64	56577	18.877	ug/l	94
7) Trichlorofluoromethane	3.056	101	112658	19.414	ug/l	99
8) Diethyl Ether	3.452	74	28383	18.792	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	61809	19.635	ug/l	98
10) Methyl Iodide	4.001	142	67410	18.495	ug/l	99
11) Tert butyl alcohol	4.879	59	13239	88.452	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	58076	19.793	ug/l	97
13) Acrolein	3.659	56	23798	88.588	ug/l	98
14) Allyl chloride	4.385	41	64847	18.980	ug/l	99
15) Acrylonitrile	5.061	53	51099	92.413	ug/l	98
16) Acetone	3.873	43	36017	87.002	ug/l	92
17) Carbon Disulfide	4.104	76	183149	19.576	ug/l	100
18) Methyl Acetate	4.385	43	26368	20.705	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	120380	18.330	ug/l	95
20) Methylene Chloride	4.610	84	64582	18.734	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	64140	19.519	ug/l	97
22) Diisopropyl ether	6.019	45	149424	19.653	ug/l	97
23) Vinyl Acetate	5.958	43	373500	91.151	ug/l	99
24) 1,1-Dichloroethane	5.915	63	101522	19.263	ug/l	98
25) 2-Butanone	6.897	43	54911	88.358	ug/l	97
26) 2,2-Dichloropropane	6.884	77	91600	19.830	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	72039	19.606	ug/l	98
28) Bromochloromethane	7.244	49	39029	19.066	ug/l	98
29) Tetrahydrofuran	7.262	42	35848	88.815	ug/l	99
30) Chloroform	7.421	83	117036	20.020	ug/l	97
31) Cyclohexane	7.701	56	84220	18.687	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	105143	19.880	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79075	19.558	ug/l	99
37) Ethyl Acetate	6.982	43	26628	18.338	ug/l	98
38) Carbon Tetrachloride	7.817	117	98218	20.330	ug/l	99
39) Methylcyclohexane	9.110	83	92537	18.187	ug/l	94
40) Benzene	8.079	78	254772	20.158	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	14741m	18.571	ug/l	
42) 1,2-Dichloroethane	8.158	62	62360	19.929	ug/l	99
43) Isopropyl Acetate	8.195	43	50732	18.193	ug/l	98
44) Trichloroethene	8.866	130	71028	20.290	ug/l	95
45) 1,2-Dichloropropane	9.140	63	56441	20.194	ug/l	98
46) Dibromomethane	9.231	93	34280	19.593	ug/l	98
47) Bromodichloromethane	9.420	83	87710	20.067	ug/l	100
48) Methyl methacrylate	9.219	41	22602	17.533	ug/l	93
49) 1,4-Dioxane	9.225	88	6627	355.374	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	133241	91.148	ug/l	100
52) Toluene	10.170	92	164777	20.141	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	71271	19.011	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	85968	19.290	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	47069	20.140	ug/l	98
56) Ethyl methacrylate	10.439	69	47072	17.613	ug/l	97
57) 1,3-Dichloropropane	10.719	76	74505	19.886	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	119153	91.185	ug/l	98
59) 2-Hexanone	10.762	43	83877	86.992	ug/l	98
60) Dibromochloromethane	10.908	129	64371	19.894	ug/l	98
61) 1,2-Dibromoethane	11.018	107	43629	19.774	ug/l	100
64) Tetrachloroethene	10.646	164	81253	20.941	ug/l	98
65) Chlorobenzene	11.444	112	182043	19.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	64950	20.058	ug/l	98
67) Ethyl Benzene	11.518	91	292538	19.443	ug/l	99
68) m/p-Xylenes	11.627	106	240556	40.178	ug/l	100
69) o-Xylene	11.957	106	105800	19.172	ug/l	99
70) Styrene	11.969	104	183180	19.770	ug/l	100
71) Bromoform	12.133	173	36552	19.415	ug/l #	100
73) Isopropylbenzene	12.255	105	281901	19.126	ug/l	99
74) N-amyl acetate	12.072	43	42199	16.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	47578	19.146	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	35659m	18.871	ug/l	
77) Bromobenzene	12.530	156	73239	19.665	ug/l	99
78) n-propylbenzene	12.597	91	344311	19.616	ug/l	100
79) 2-Chlorotoluene	12.682	91	200069	19.600	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	237244	19.536	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14562	18.558	ug/l	97
82) 4-Chlorotoluene	12.780	91	210828	19.868	ug/l	98
83) tert-Butylbenzene	12.999	119	206168	18.929	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	238254	19.614	ug/l	99
85) sec-Butylbenzene	13.176	105	311925	19.572	ug/l	100
86) p-Isopropyltoluene	13.292	119	262713	19.412	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	148080	19.576	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	145893	19.474	ug/l	99
89) n-Butylbenzene	13.621	91	220728	18.247	ug/l	99
90) Hexachloroethane	13.877	117	58056	19.525	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	128956	19.546	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6879	17.400	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	68247	18.255	ug/l	99
94) Hexachlorobutadiene	15.023	225	43083	18.730	ug/l	99
95) Naphthalene	15.145	128	99146	15.964	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	59189	18.341	ug/l	96

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

