

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022072.D
 Acq On : 30 Apr 2025 10:30
 Operator : SY/MD
 Sample : VY0430SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0430SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 01 01:31:54 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	286487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	433702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	405299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	222589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131013	49.509	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.020%		
35) Dibromofluoromethane	7.628	113	150835	52.643	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.280%		
50) Toluene-d8	10.103	98	568923	52.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.340%		
62) 4-Bromofluorobenzene	12.402	95	188289	51.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	47203	19.336	ug/l	98
3) Chloromethane	2.062	50	77084	22.176	ug/l	98
4) Vinyl Chloride	2.202	62	88437	20.704	ug/l	98
5) Bromomethane	2.586	94	83723	22.751	ug/l	97
6) Chloroethane	2.727	64	61631	21.186	ug/l	100
7) Trichlorofluoromethane	3.050	101	122851	21.811	ug/l	97
8) Diethyl Ether	3.452	74	28746	19.608	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.806	101	62287	20.385	ug/l	99
10) Methyl Iodide	4.001	142	60748	17.172	ug/l	99
11) Tert butyl alcohol	4.885	59	13923	95.838	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	56168	19.722	ug/l	97
13) Acrolein	3.653	56	22527	86.396	ug/l	99
14) Allyl chloride	4.379	41	62659	18.895	ug/l	99
15) Acrylonitrile	5.055	53	51344	95.667	ug/l	99
16) Acetone	3.879	43	37345	94.535	ug/l	95
17) Carbon Disulfide	4.098	76	180355	19.861	ug/l	98
18) Methyl Acetate	4.385	43	25031	20.250	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	121034	18.988	ug/l	100
20) Methylene Chloride	4.610	84	67082	20.048	ug/l	95
21) trans-1,2-Dichloroethene	5.104	96	62226	19.509	ug/l	97
22) Diisopropyl ether	6.013	45	144165	19.535	ug/l	96
23) Vinyl Acetate	5.958	43	381862	96.013	ug/l	99
24) 1,1-Dichloroethane	5.909	63	101810	19.903	ug/l	95
25) 2-Butanone	6.890	43	55933	92.728	ug/l	97
26) 2,2-Dichloropropane	6.878	77	91436	20.394	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	69433	19.469	ug/l	99
28) Bromochloromethane	7.244	49	39832	20.047	ug/l	96
29) Tetrahydrofuran	7.262	42	37976	96.936	ug/l	99
30) Chloroform	7.415	83	115625	20.378	ug/l	99
31) Cyclohexane	7.701	56	82489	18.857	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	103303	20.124	ug/l	99
36) 1,1-Dichloropropene	7.829	75	77745	20.200	ug/l	99
37) Ethyl Acetate	6.982	43	28394	20.541	ug/l	97
38) Carbon Tetrachloride	7.817	117	97877	21.282	ug/l	96
39) Methylcyclohexane	9.103	83	92916	19.184	ug/l	94
40) Benzene	8.079	78	247402	20.563	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15307	20.257	ug/l #	94
42) 1,2-Dichloroethane	8.159	62	63278	21.243	ug/l	99
43) Isopropyl Acetate	8.195	43	51820	19.521	ug/l	99
44) Trichloroethene	8.860	130	69720	20.921	ug/l	96
45) 1,2-Dichloropropane	9.140	63	54103	20.334	ug/l	96
46) Dibromomethane	9.225	93	34989	21.008	ug/l	99
47) Bromodichloromethane	9.420	83	87089	20.931	ug/l	96
48) Methyl methacrylate	9.219	41	23285	18.974	ug/l	94
49) 1,4-Dioxane	9.231	88	6982	393.308	ug/l	91
51) 4-Methyl-2-Pentanone	10.000	43	140074	100.658	ug/l	100
52) Toluene	10.170	92	163564	21.002	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	73442	20.578	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	87328	20.585	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	46477	20.891	ug/l	98
56) Ethyl methacrylate	10.439	69	47660	18.733	ug/l	97
57) 1,3-Dichloropropane	10.713	76	73654	20.651	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	125085	100.556	ug/l	98
59) 2-Hexanone	10.762	43	91664	99.867	ug/l	98
60) Dibromochloromethane	10.908	129	65090	21.132	ug/l	99
61) 1,2-Dibromoethane	11.012	107	43234	20.584	ug/l	99
64) Tetrachloroethene	10.646	164	80599	21.080	ug/l	96
65) Chlorobenzene	11.438	112	182280	20.111	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.512	131	66284	20.773	ug/l	100
67) Ethyl Benzene	11.518	91	285528	19.258	ug/l	100
68) m/p-Xylenes	11.627	106	239665	40.623	ug/l	97
69) o-Xylene	11.957	106	106876	19.654	ug/l	99
70) Styrene	11.969	104	182708	20.012	ug/l	100
71) Bromoform	12.127	173	38719	20.871	ug/l #	99
73) Isopropylbenzene	12.255	105	279562	18.799	ug/l	99
74) N-amyl acetate	12.072	43	45327	17.740	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	49468	19.730	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	35538m	18.640	ug/l	
77) Bromobenzene	12.530	156	73867	19.657	ug/l	97
78) n-propylbenzene	12.597	91	342875	19.361	ug/l	100
79) 2-Chlorotoluene	12.676	91	200281	19.446	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	235676	19.234	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	14374	18.155	ug/l	94
82) 4-Chlorotoluene	12.774	91	212735	19.870	ug/l	100
83) tert-Butylbenzene	12.999	119	205879	18.735	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	241750	19.725	ug/l	98
85) sec-Butylbenzene	13.176	105	309315	19.235	ug/l	99
86) p-Isopropyltoluene	13.292	119	260507	19.078	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	152160	19.937	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	148875	19.695	ug/l	99
89) n-Butylbenzene	13.615	91	225950	18.513	ug/l	99
90) Hexachloroethane	13.883	117	58174	19.391	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	134059	20.139	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7240	18.150	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	72337	19.176	ug/l	99
94) Hexachlorobutadiene	15.023	225	47088	20.289	ug/l	100
95) Naphthalene	15.145	128	109185	17.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	64048	19.670	ug/l	97

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

