

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022121.D
 Acq On : 02 May 2025 11:53
 Operator : SY/MD
 Sample : VY0502SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 03 02:49:35 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	354744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	565281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	507664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	264963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166647	50.858	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.720%			
35) Dibromofluoromethane	7.634	113	183068	49.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.040%			
50) Toluene-d8	10.109	98	684444	48.614	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.408	95	239526	50.537	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	57886	19.150	ug/l	98
3) Chloromethane	2.062	50	81523	18.941	ug/l	97
4) Vinyl Chloride	2.202	62	100852	19.068	ug/l	98
5) Bromomethane	2.586	94	97825	21.468	ug/l	99
6) Chloroethane	2.732	64	71214	19.770	ug/l	100
7) Trichlorofluoromethane	3.049	101	144233	20.680	ug/l	94
8) Diethyl Ether	3.452	74	35831	19.738	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	74823	19.776	ug/l	98
10) Methyl Iodide	4.000	142	85923	19.615	ug/l	99
11) Tert butyl alcohol	4.878	59	19620	109.068	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	71307	20.220	ug/l	98
13) Acrolein	3.653	56	23126	71.627	ug/l	100
14) Allyl chloride	4.378	41	80776	19.671	ug/l	96
15) Acrylonitrile	5.061	53	66505	100.073	ug/l	98
16) Acetone	3.879	43	51212	107.204	ug/l	98
17) Carbon Disulfide	4.098	76	212485	18.897	ug/l	99
18) Methyl Acetate	4.391	43	33662	21.992	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	170057	21.545	ug/l	98
20) Methylene Chloride	4.610	84	91148	21.999	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	78899	19.977	ug/l	96
22) Diisopropyl ether	6.018	45	187601	20.530	ug/l	98
23) Vinyl Acetate	5.957	43	504757	102.493	ug/l	99
24) 1,1-Dichloroethane	5.915	63	129022	20.369	ug/l	98
25) 2-Butanone	6.896	43	75541	101.138	ug/l	97
26) 2,2-Dichloropropane	6.884	77	118480	21.341	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	92749	21.002	ug/l	99
28) Bromochloromethane	7.244	49	48108	19.554	ug/l	96
29) Tetrahydrofuran	7.262	42	48573	100.129	ug/l	95
30) Chloroform	7.421	83	147137	20.942	ug/l	100
31) Cyclohexane	7.701	56	105256	19.432	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	134886	21.220	ug/l	100
36) 1,1-Dichloropropene	7.835	75	98847	19.704	ug/l	99
37) Ethyl Acetate	6.988	43	34180	18.971	ug/l	96
38) Carbon Tetrachloride	7.817	117	121447	20.260	ug/l	99
39) Methylcyclohexane	9.109	83	121885	19.307	ug/l	93
40) Benzene	8.079	78	311953	19.893	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	16961	17.221	ug/l #	82
42) 1,2-Dichloroethane	8.158	62	80565	20.751	ug/l	100
43) Isopropyl Acetate	8.201	43	70200	20.289	ug/l	100
44) Trichloroethene	8.859	130	89268	20.552	ug/l	99
45) 1,2-Dichloropropane	9.140	63	69434	20.022	ug/l	100
46) Dibromomethane	9.231	93	43982	20.260	ug/l	99
47) Bromodichloromethane	9.420	83	111185	20.502	ug/l	98
48) Methyl methacrylate	9.219	41	32090	20.063	ug/l	95
49) 1,4-Dioxane	9.237	88	9120	394.162	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	184264	101.592	ug/l	100
52) Toluene	10.170	92	203618	20.060	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	95584	20.548	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	115689	20.922	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	59394	20.482	ug/l	97
56) Ethyl methacrylate	10.438	69	66957	20.192	ug/l	99
57) 1,3-Dichloropropane	10.719	76	94229	20.270	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	164730	101.602	ug/l	98
59) 2-Hexanone	10.761	43	120323	100.577	ug/l	98
60) Dibromochloromethane	10.914	129	81972	20.418	ug/l	99
61) 1,2-Dibromoethane	11.011	107	56428	20.613	ug/l	99
64) Tetrachloroethene	10.646	164	100760	21.039	ug/l	98
65) Chlorobenzene	11.438	112	228639	20.140	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	80424	20.122	ug/l	99
67) Ethyl Benzene	11.517	91	372440	20.055	ug/l	100
68) m/p-Xylenes	11.627	106	300786	40.702	ug/l	98
69) o-Xylene	11.956	106	140163	20.578	ug/l	99
70) Styrene	11.969	104	231602	20.252	ug/l	98
71) Bromoform	12.133	173	46777	20.130	ug/l #	99
73) Isopropylbenzene	12.255	105	369894	20.895	ug/l	99
74) N-amyl acetate	12.072	43	59125	19.440	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	59396	19.901	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	44605m	19.654	ug/l	
77) Bromobenzene	12.529	156	91180	20.384	ug/l	98
78) n-propylbenzene	12.597	91	433660	20.571	ug/l	100
79) 2-Chlorotoluene	12.676	91	254117	20.727	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	303111	20.781	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	19433	20.620	ug/l	95
82) 4-Chlorotoluene	12.779	91	267084	20.956	ug/l	100
83) tert-Butylbenzene	12.999	119	271912	20.786	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	306138	20.984	ug/l	99
85) sec-Butylbenzene	13.176	105	401071	20.953	ug/l	100
86) p-Isopropyltoluene	13.292	119	335780	20.658	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	183709	20.221	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	180678	20.080	ug/l	99
89) n-Butylbenzene	13.615	91	293579	20.207	ug/l	99
90) Hexachloroethane	13.883	117	73402	20.554	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	155776	19.659	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9881	20.809	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	90083	20.062	ug/l	99
94) Hexachlorobutadiene	15.023	225	53472	19.355	ug/l	99
95) Naphthalene	15.145	128	151232	20.275	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	76352	19.698	ug/l	98

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

