

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022122.D
 Acq On : 02 May 2025 12:16
 Operator : SY/MD
 Sample : VY0502SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 02:49:54 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	344715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	551563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	493162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	257067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165590	52.006	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.020%	
35) Dibromofluoromethane	7.634	113	183735	50.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.840%	
50) Toluene-d8	10.103	98	683203	49.732	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	12.402	95	237256	51.303	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	58759	20.004	ug/l	97
3) Chloromethane	2.062	50	78884	18.861	ug/l	99
4) Vinyl Chloride	2.202	62	97609	18.992	ug/l	98
5) Bromomethane	2.592	94	86842	19.612	ug/l	99
6) Chloroethane	2.733	64	65931	18.836	ug/l	97
7) Trichlorofluoromethane	3.056	101	138395	20.420	ug/l	96
8) Diethyl Ether	3.452	74	36730	20.822	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	73426	19.972	ug/l	99
10) Methyl Iodide	4.001	142	88456	20.781	ug/l	98
11) Tert butyl alcohol	4.866	59	19919	113.951	ug/l #	85
12) 1,1-Dichloroethene	3.787	96	70294	20.513	ug/l	98
13) Acrolein	3.653	56	23052	73.475	ug/l	99
14) Allyl chloride	4.379	41	80453	20.163	ug/l	97
15) Acrylonitrile	5.055	53	65284	101.093	ug/l	99
16) Acetone	3.873	43	47790	102.025	ug/l	95
17) Carbon Disulfide	4.104	76	210707	19.284	ug/l	98
18) Methyl Acetate	4.391	43	33435	22.480	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	166734	21.739	ug/l	96
20) Methylene Chloride	4.616	84	90624	22.509	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	78170	20.368	ug/l	96
22) Diisopropyl ether	6.013	45	186290	20.979	ug/l	95
23) Vinyl Acetate	5.958	43	497049	103.864	ug/l	99
24) 1,1-Dichloroethane	5.915	63	128318	20.848	ug/l	97
25) 2-Butanone	6.896	43	73535	101.317	ug/l	99
26) 2,2-Dichloropropane	6.884	77	117477	21.776	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	91389	21.297	ug/l	100
28) Bromochloromethane	7.244	49	45479	19.023	ug/l	93
29) Tetrahydrofuran	7.262	42	48577	103.050	ug/l	98
30) Chloroform	7.421	83	143608	21.034	ug/l	99
31) Cyclohexane	7.701	56	104761	19.903	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	133715	21.648	ug/l	100
36) 1,1-Dichloropropene	7.835	75	98647	20.154	ug/l	99
37) Ethyl Acetate	6.982	43	33878	19.271	ug/l	98
38) Carbon Tetrachloride	7.817	117	121143	20.712	ug/l	98
39) Methylcyclohexane	9.110	83	122389	19.869	ug/l	99
40) Benzene	8.079	78	309939	20.256	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	16614	17.288	ug/l #	85
42) 1,2-Dichloroethane	8.158	62	79104	20.881	ug/l	99
43) Isopropyl Acetate	8.195	43	67866	20.102	ug/l	98
44) Trichloroethene	8.866	130	86725	20.463	ug/l	95
45) 1,2-Dichloropropane	9.140	63	66037	19.516	ug/l	97
46) Dibromomethane	9.231	93	43094	20.345	ug/l	99
47) Bromodichloromethane	9.420	83	111022	20.981	ug/l	96
48) Methyl methacrylate	9.225	41	31006	19.867	ug/l	94
49) 1,4-Dioxane	9.231	88	8849	391.962	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	182327	103.024	ug/l	98
52) Toluene	10.170	92	204974	20.695	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	92881	20.464	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	110434	20.469	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	58541	20.690	ug/l	98
56) Ethyl methacrylate	10.439	69	65515	20.248	ug/l	98
57) 1,3-Dichloropropane	10.719	76	92172	20.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	156438	98.888	ug/l	98
59) 2-Hexanone	10.762	43	118083	101.159	ug/l	99
60) Dibromochloromethane	10.908	129	81393	20.778	ug/l	100
61) 1,2-Dibromoethane	11.012	107	55208	20.669	ug/l	100
64) Tetrachloroethene	10.646	164	99725	21.436	ug/l	97
65) Chlorobenzene	11.438	112	228588	20.727	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	80878	20.831	ug/l	99
67) Ethyl Benzene	11.518	91	369787	20.497	ug/l	99
68) m/p-Xylenes	11.627	106	301279	41.968	ug/l	100
69) o-Xylene	11.957	106	139615	21.101	ug/l	98
70) Styrene	11.969	104	232426	20.921	ug/l	98
71) Bromoform	12.133	173	45741	20.263	ug/l #	97
73) Isopropylbenzene	12.255	105	361924	21.073	ug/l	99
74) N-amyl acetate	12.066	43	60240	20.415	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	59280	20.472	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	43474m	19.744	ug/l	
77) Bromobenzene	12.530	156	91454	21.073	ug/l	99
78) n-propylbenzene	12.591	91	433304	21.185	ug/l	100
79) 2-Chlorotoluene	12.676	91	252306	21.211	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	302671	21.389	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	18769	20.527	ug/l	96
82) 4-Chlorotoluene	12.773	91	265731	21.491	ug/l	99
83) tert-Butylbenzene	12.999	119	270458	21.310	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	299799	21.181	ug/l	99
85) sec-Butylbenzene	13.176	105	394082	21.220	ug/l	99
86) p-Isopropyltoluene	13.292	119	328226	20.813	ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	182043	20.653	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	178654	20.465	ug/l	99
89) n-Butylbenzene	13.615	91	293721	20.838	ug/l	99
90) Hexachloroethane	13.877	117	71159	20.538	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	156943	20.414	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9726	21.112	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	89699	20.590	ug/l	97
94) Hexachlorobutadiene	15.023	225	54537	20.347	ug/l	99
95) Naphthalene	15.145	128	152140	21.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	78415	20.852	ug/l	98

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

