

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022098.D
 Acq On : 01 May 2025 11:04
 Operator : SY/MD
 Sample : VY0501SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 01 12:54:40 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	290517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	444556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	410264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	219160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133167	49.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.260%		
35) Dibromofluoromethane	7.634	113	147589	50.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.500%		
50) Toluene-d8	10.103	98	568815	51.372	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.740%		
62) 4-Bromofluorobenzene	12.408	95	188857	50.667	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48333	19.525	ug/l	98
3) Chloromethane	2.068	50	74025	21.001	ug/l	100
4) Vinyl Chloride	2.202	62	87170	20.125	ug/l	99
5) Bromomethane	2.592	94	71344	19.118	ug/l	100
6) Chloroethane	2.733	64	58818	19.939	ug/l	95
7) Trichlorofluoromethane	3.056	101	116145	20.334	ug/l	98
8) Diethyl Ether	3.452	74	28692	19.300	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	63254	20.415	ug/l	98
10) Methyl Iodide	4.001	142	69620	19.407	ug/l	100
11) Tert butyl alcohol	4.866	59	13934	94.584	ug/l	96
12) 1,1-Dichloroethene	3.793	96	59540	20.616	ug/l	96
13) Acrolein	3.653	56	19169	72.497	ug/l	99
14) Allyl chloride	4.385	41	66276	19.709	ug/l	99
15) Acrylonitrile	5.061	53	52952	97.294	ug/l	98
16) Acetone	3.873	43	37055	91.997	ug/l	99
17) Carbon Disulfide	4.104	76	184704	20.058	ug/l	98
18) Methyl Acetate	4.391	43	29994	23.928	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	127098	19.662	ug/l	99
20) Methylene Chloride	4.616	84	66442	19.581	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	66927	20.692	ug/l	96
22) Diisopropyl ether	6.012	45	151612	20.259	ug/l	96
23) Vinyl Acetate	5.964	43	375237	93.038	ug/l	98
24) 1,1-Dichloroethane	5.915	63	105963	20.427	ug/l	97
25) 2-Butanone	6.896	43	56036	91.610	ug/l	99
26) 2,2-Dichloropropane	6.884	77	93957	20.666	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	73121	20.218	ug/l	100
28) Bromochloromethane	7.244	49	40778	20.239	ug/l	96
29) Tetrahydrofuran	7.262	42	36527	91.944	ug/l	96
30) Chloroform	7.421	83	117923	20.495	ug/l	94
31) Cyclohexane	7.701	56	86092	19.408	ug/l #	93
32) 1,1,1-Trichloroethane	7.616	97	107555	20.661	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81098	20.556	ug/l	99
37) Ethyl Acetate	6.982	43	25774	18.190	ug/l	98
38) Carbon Tetrachloride	7.817	117	99120	21.026	ug/l	97
39) Methylcyclohexane	9.109	83	94719	19.078	ug/l	94
40) Benzene	8.079	78	256988	20.839	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	14938m	19.286	ug/l	
42) 1,2-Dichloroethane	8.158	62	62688	20.531	ug/l	100
43) Isopropyl Acetate	8.195	43	50748	18.650	ug/l	95
44) Trichloroethene	8.866	130	72064	21.097	ug/l	98
45) 1,2-Dichloropropane	9.140	63	57135	20.950	ug/l	98
46) Dibromomethane	9.231	93	34679	20.313	ug/l	97
47) Bromodichloromethane	9.420	83	89913	21.082	ug/l	97
48) Methyl methacrylate	9.219	41	23882	18.986	ug/l	95
49) 1,4-Dioxane	9.231	88	7294	400.852	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	137802	96.608	ug/l	99
52) Toluene	10.170	92	167027	20.923	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	74028	20.236	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	89009	20.469	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	47481	20.821	ug/l	98
56) Ethyl methacrylate	10.438	69	47715	18.297	ug/l	98
57) 1,3-Dichloropropane	10.719	76	75422	20.630	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	119931	94.059	ug/l	98
59) 2-Hexanone	10.762	43	86896	92.361	ug/l	99
60) Dibromochloromethane	10.908	129	66460	21.050	ug/l	98
61) 1,2-Dibromoethane	11.018	107	43838	20.362	ug/l	100
64) Tetrachloroethene	10.646	164	82002	21.188	ug/l	97
65) Chlorobenzene	11.438	112	190046	20.714	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	66608	20.622	ug/l	100
67) Ethyl Benzene	11.518	91	297326	19.811	ug/l	100
68) m/p-Xylenes	11.627	106	244927	41.012	ug/l	99
69) o-Xylene	11.957	106	113297	20.583	ug/l	97
70) Styrene	11.969	104	189713	20.527	ug/l	98
71) Bromoform	12.133	173	38526	20.516	ug/l #	98
73) Isopropylbenzene	12.255	105	290980	19.873	ug/l	99
74) N-amyl acetate	12.072	43	43309	17.216	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	48351	19.586	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	35733m	19.035	ug/l	
77) Bromobenzene	12.530	156	76461	20.666	ug/l	97
78) n-propylbenzene	12.597	91	348777	20.002	ug/l	100
79) 2-Chlorotoluene	12.682	91	207858	20.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	246332	20.418	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	15484	19.863	ug/l	98
82) 4-Chlorotoluene	12.780	91	219129	20.787	ug/l	100
83) tert-Butylbenzene	12.999	119	214227	19.799	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	246710	20.445	ug/l	99
85) sec-Butylbenzene	13.176	105	314910	19.890	ug/l	99
86) p-Isopropyltoluene	13.292	119	267968	19.931	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	156200	20.786	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	154134	20.710	ug/l	98
89) n-Butylbenzene	13.615	91	232219	19.324	ug/l	98
90) Hexachloroethane	13.877	117	58972	19.964	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	134811	20.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7126	18.144	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	75084	20.216	ug/l	98
94) Hexachlorobutadiene	15.023	225	46011	20.135	ug/l	99
95) Naphthalene	15.145	128	110513	17.912	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	63302	19.745	ug/l	99

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

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