

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021025\
 Data File : VY021150.D
 Acq On : 10 Feb 2025 10:45
 Operator : SY/MD
 Sample : VY0210SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0210SBS01

Quant Time: Feb 11 00:26:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	149358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	228128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	192889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	97225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	74315	48.563	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.120%		
35) Dibromofluoromethane	7.640	113	71845	49.142	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.280%		
50) Toluene-d8	10.109	98	275367	49.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.940%		
62) 4-Bromofluorobenzene	12.414	95	92269	50.743	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	23060	17.323	ug/l	95
3) Chloromethane	2.074	50	20485	15.595	ug/l	99
4) Vinyl Chloride	2.208	62	20577	15.563	ug/l	96
5) Bromomethane	2.599	94	13001	15.909	ug/l	95
6) Chloroethane	2.745	64	12878	16.362	ug/l	99
7) Trichlorofluoromethane	3.068	101	43673	18.131	ug/l	96
8) Diethyl Ether	3.464	74	13131	17.462	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	28935	19.140	ug/l	94
10) Methyl Iodide	4.013	142	25966	15.460	ug/l	91
11) Tert butyl alcohol	4.860	59	9641	92.969	ug/l	98
12) 1,1-Dichloroethene	3.793	96	25330	17.787	ug/l	96
13) Acrolein	3.659	56	12393	77.608	ug/l	100
14) Allyl chloride	4.391	41	43902	18.292	ug/l	95
15) Acrylonitrile	5.068	53	28894	92.274	ug/l	96
16) Acetone	3.873	43	24270	101.699	ug/l	94
17) Carbon Disulfide	4.110	76	56577	12.670	ug/l	99
18) Methyl Acetate	4.385	43	14737	17.591	ug/l	100
19) Methyl tert-butyl Ether	5.129	73	68981	19.164	ug/l	100
20) Methylene Chloride	4.623	84	27915	18.816	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	27214	17.361	ug/l	86
22) Diisopropyl ether	6.025	45	99145	20.041	ug/l	96
23) Vinyl Acetate	5.970	43	258748	93.823	ug/l	98
24) 1,1-Dichloroethane	5.921	63	56172	19.380	ug/l	98
25) 2-Butanone	6.903	43	37734	96.221	ug/l	100
26) 2,2-Dichloropropane	6.896	77	53844	20.077	ug/l	95
27) cis-1,2-Dichloroethene	6.896	96	34569	19.159	ug/l	93
28) Bromochloromethane	7.250	49	20942	18.272	ug/l	99
29) Tetrahydrofuran	7.268	42	24261	91.427	ug/l	97
30) Chloroform	7.427	83	60609	20.358	ug/l	99
31) Cyclohexane	7.707	56	43805	16.783	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	56545	20.428	ug/l	99
36) 1,1-Dichloropropene	7.841	75	41481	19.156	ug/l	97
37) Ethyl Acetate	6.994	43	17519	18.442	ug/l	99
38) Carbon Tetrachloride	7.823	117	50709	20.041	ug/l	98
39) Methylcyclohexane	9.116	83	46137	17.418	ug/l	96
40) Benzene	8.085	78	122743	19.315	ug/l	98

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 Supervised By :Semsettin Yesilyurt 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.250	41	11850m	21.561	ug/l	
42) 1,2-Dichloroethane	8.165	62	34568	19.609	ug/l	97
43) Isopropyl Acetate	8.201	43	36266	19.213	ug/l #	85
44) Trichloroethene	8.872	130	30405	18.519	ug/l	100
45) 1,2-Dichloropropane	9.146	63	30510	20.228	ug/l	97
46) Dibromomethane	9.238	93	16034	19.199	ug/l	96
47) Bromodichloromethane	9.433	83	45799	20.448	ug/l	95
48) Methyl methacrylate	9.225	41	15894	18.485	ug/l	94
49) 1,4-Dioxane	9.231	88	3075	395.525	ug/l	97
51) 4-Methyl-2-Pentanone	10.006	43	90227	95.054	ug/l	97
52) Toluene	10.176	92	77920	19.528	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	40491	20.133	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	46867	19.682	ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	21405	19.793	ug/l	99
56) Ethyl methacrylate	10.445	69	26977	18.647	ug/l	91
57) 1,3-Dichloropropane	10.725	76	37515	20.042	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	66974	97.307	ug/l	100
59) 2-Hexanone	10.768	43	58912	96.393	ug/l	95
60) Dibromochloromethane	10.914	129	30357	19.988	ug/l	98
61) 1,2-Dibromoethane	11.018	107	19723	19.471	ug/l	98
64) Tetrachloroethene	10.652	164	27823	19.431	ug/l	95
65) Chlorobenzene	11.451	112	88005	20.490	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	32217	21.108	ug/l	97
67) Ethyl Benzene	11.524	91	155742	20.501	ug/l	98
68) m/p-Xylenes	11.633	106	115141	40.515	ug/l	97
69) o-Xylene	11.963	106	54340	20.509	ug/l	97
70) Styrene	11.975	104	92812	21.017	ug/l	98
71) Bromoform	12.139	173	16910	19.904	ug/l #	96
73) Isopropylbenzene	12.261	105	149998	19.750	ug/l	99
74) N-amyl acetate	12.079	43	31011	18.677	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	23564	18.656	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	17553m	19.902	ug/l	
77) Bromobenzene	12.536	156	34492	19.681	ug/l	91
78) n-propylbenzene	12.603	91	181678	20.082	ug/l	99
79) 2-Chlorotoluene	12.688	91	104206	20.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	124952	20.293	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	8172	18.907	ug/l	94
82) 4-Chlorotoluene	12.780	91	107183	20.302	ug/l	99
83) tert-Butylbenzene	13.005	119	115047	20.556	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	122400	20.330	ug/l	99
85) sec-Butylbenzene	13.182	105	162521	20.173	ug/l	98
86) p-Isopropyltoluene	13.298	119	135978	20.318	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	68350	20.198	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	67503	20.259	ug/l	99
89) n-Butylbenzene	13.621	91	126234	20.676	ug/l	98
90) Hexachloroethane	13.883	117	28283	20.258	ug/l	89
91) 1,2-Dichlorobenzene	13.664	146	58952	20.071	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	3584	18.988	ug/l	96
93) 1,2,4-Trichlorobenzene	14.926	180	31924	19.527	ug/l	97
94) Hexachlorobutadiene	15.029	225	22239	20.527	ug/l	98
95) Naphthalene	15.151	128	48555	18.563	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	26723	19.641	ug/l	97

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

