

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010725\
 Data File : VY020797.D
 Acq On : 07 Jan 2025 17:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 00:56:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	166174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	259740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	228670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	114364	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	87109	61.673	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.340%	
35) Dibromofluoromethane	7.646	113	88990	54.687	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.380%	
50) Toluene-d8	10.115	98	332037	58.533	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.060%	
62) 4-Bromofluorobenzene	12.414	95	114853	54.828	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 109.660%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	56923	46.676	ug/l	97
3) Chloromethane	2.074	50	33792	52.625	ug/l	100
4) Vinyl Chloride	2.214	62	38560	54.019	ug/l	94
5) Bromomethane	2.604	94	27075	53.253	ug/l	93
6) Chloroethane	2.745	64	26216	59.550	ug/l	100
7) Trichlorofluoromethane	3.074	101	108398	49.477	ug/l	98
8) Diethyl Ether	3.464	74	42382	61.861	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.830	101	73206	49.481	ug/l	99
10) Methyl Iodide	4.019	142	93587	59.026	ug/l	99
11) Tert butyl alcohol	4.884	59	30441	285.224	ug/l	99
12) 1,1-Dichloroethene	3.805	96	69317	53.491	ug/l	98
13) Acrolein	3.665	56	5309	177.132	ug/l	99
14) Allyl chloride	4.397	41	106547	56.990	ug/l	97
15) Acrylonitrile	5.073	53	91059	312.727	ug/l	99
16) Acetone	3.885	43	61810	307.743	ug/l	100
17) Carbon Disulfide	4.122	76	161134	57.318	ug/l	100
18) Methyl Acetate	4.403	43	45095	66.496	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	220109	60.186	ug/l	99
20) Methylene Chloride	4.628	84	81093	58.463	ug/l	97
21) trans-1,2-Dichloroethene	5.134	96	79108	55.434	ug/l	96
22) Diisopropyl ether	6.031	45	249844	62.734	ug/l	97
23) Vinyl Acetate	5.976	43	695229	316.606	ug/l	99
24) 1,1-Dichloroethane	5.927	63	149959	57.072	ug/l	99
25) 2-Butanone	6.909	43	106935	324.115	ug/l	97
26) 2,2-Dichloropropane	6.896	77	127805	46.847	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	104228	57.888	ug/l	98
28) Bromochloromethane	7.256	49	51607	72.787	ug/l	97
29) Tetrahydrofuran	7.274	42	70399	334.026	ug/l	95
30) Chloroform	7.433	83	169895	56.698	ug/l	95
31) Cyclohexane	7.713	56	100605	48.951	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	150148	51.371	ug/l	100
36) 1,1-Dichloropropene	7.847	75	104039	50.126	ug/l	99
37) Ethyl Acetate	6.994	43	49596	60.046	ug/l	98
38) Carbon Tetrachloride	7.829	117	137599	47.626	ug/l	99
39) Methylcyclohexane	9.115	83	121668	47.770	ug/l	97
40) Benzene	8.091	78	345829	54.289	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	26684	56.411	ug/l	95
42) 1,2-Dichloroethane	8.164	62	98641	56.703	ug/l	100
43) Isopropyl Acetate	8.207	43	101243	60.264	ug/l	99
44) Trichloroethene	8.872	130	90372	50.891	ug/l	95
45) 1,2-Dichloropropane	9.152	63	81420	56.380	ug/l	99
46) Dibromomethane	9.237	93	48220	58.148	ug/l	97
47) Bromodichloromethane	9.432	83	131145	55.219	ug/l	97
48) Methyl methacrylate	9.225	41	46516	61.761	ug/l	100
49) 1,4-Dioxane	9.243	88	10400	1181.195	ug/l	93
51) 4-Methyl-2-Pentanone	10.006	43	260766	310.696	ug/l	100
52) Toluene	10.176	92	227128	53.844	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	118602	56.148	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	134632	54.880	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	67632	57.087	ug/l	97
56) Ethyl methacrylate	10.444	69	92414	61.766	ug/l	97
57) 1,3-Dichloropropane	10.725	76	112746	58.383	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	158634	267.260	ug/l	98
59) 2-Hexanone	10.768	43	172872	321.056	ug/l	99
60) Dibromochloromethane	10.914	129	96802	56.338	ug/l	99
61) 1,2-Dibromoethane	11.024	107	61217	57.556	ug/l	99
64) Tetrachloroethene	10.652	164	78846	46.898	ug/l	97
65) Chlorobenzene	11.450	112	259706	51.367	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	98337	51.092	ug/l	99
67) Ethyl Benzene	11.524	91	440570	50.332	ug/l	99
68) m/p-Xylenes	11.633	106	334883	99.367	ug/l	99
69) o-Xylene	11.962	106	162123	50.736	ug/l	100
70) Styrene	11.975	104	279854	52.027	ug/l	100
71) Bromoform	12.139	173	58564	53.524	ug/l #	99
73) Isopropylbenzene	12.261	105	431434	47.553	ug/l	100
74) N-ethyl acetate	12.078	43	87027	58.641	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	75042	54.572	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	55724m	55.687	ug/l	
77) Bromobenzene	12.536	156	106516	50.921	ug/l	99
78) n-propylbenzene	12.603	91	496706	48.233	ug/l	99
79) 2-Chlorotoluene	12.688	91	292508	49.325	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	355201	48.309	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	24288	51.178	ug/l	97
82) 4-Chlorotoluene	12.785	91	302386	49.410	ug/l	100
83) tert-Butylbenzene	13.005	119	330122	48.004	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	353597	49.247	ug/l	99
85) sec-Butylbenzene	13.182	105	452450	47.103	ug/l	100
86) p-Isopropyltoluene	13.298	119	390735	47.684	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	202596	49.846	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	199142	49.775	ug/l	100
89) n-Butylbenzene	13.627	91	337053	47.413	ug/l	100
90) Hexachloroethane	13.889	117	78294	47.584	ug/l	99
91) 1,2-Dichlorobenzene	13.669	146	176180	49.577	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	11918	53.602	ug/l	97
93) 1,2,4-Trichlorobenzene	14.931	180	104241	50.970	ug/l	98
94) Hexachlorobutadiene	15.035	225	68357	47.412	ug/l	99
95) Naphthalene	15.157	128	183226	54.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	87318	50.961	ug/l	98

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

