

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021023.D
 Acq On : 03 Feb 2025 11:43
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
 Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:39:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 12:36:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	185055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	285755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	250150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	121069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93084	59.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.160%			
35) Dibromofluoromethane	7.640	113	89515	52.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.220%			
50) Toluene-d8	10.109	98	343592	51.243	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.414	95	115197	51.200	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 102.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	82341	52.329	ug/l	100
3) Chloromethane	2.074	50	77828	77.798	ug/l	98
4) Vinyl Chloride	2.208	62	78456	76.063	ug/l	100
5) Bromomethane	2.605	94	47661	68.257	ug/l	99
6) Chloroethane	2.739	64	47159	78.268	ug/l	99
7) Trichlorofluoromethane	3.068	101	146090	58.690	ug/l	98
8) Diethyl Ether	3.464	74	44796	60.281	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.824	101	91456	54.564	ug/l	95
10) Methyl Iodide	4.013	142	108576	56.607	ug/l	99
11) Tert butyl alcohol	4.872	59	29518	256.470	ug/l	100
12) 1,1-Dichloroethene	3.800	96	86860	55.452	ug/l	92
13) Acrolein	3.659	56	48444	365.513	ug/l	98
14) Allyl chloride	4.391	41	148096	68.676	ug/l	93
15) Acrylonitrile	5.061	53	98437	322.040	ug/l	99
16) Acetone	3.879	43	71701	333.889	ug/l	93
17) Carbon Disulfide	4.117	76	272934	56.574	ug/l	99
18) Methyl Acetate	4.397	43	53193	70.789	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	225045	61.726	ug/l	99
20) Methylene Chloride	4.623	84	89716	56.645	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	96653	57.552	ug/l	92
22) Diisopropyl ether	6.025	45	308181	70.111	ug/l	96
23) Vinyl Acetate	5.970	43	876749	360.173	ug/l	96
24) 1,1-Dichloroethane	5.921	63	175291	61.815	ug/l	100
25) 2-Butanone	6.903	43	124949	342.981	ug/l	94
26) 2,2-Dichloropropane	6.890	77	160962	57.651	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	110873	57.437	ug/l	94
28) Bromochloromethane	7.250	49	76460	72.370	ug/l	84
29) Tetrahydrofuran	7.262	42	84863	346.176	ug/l	91
30) Chloroform	7.427	83	181725	59.167	ug/l	96
31) Cyclohexane	7.707	56	153013	55.203	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	168751	56.771	ug/l	97
36) 1,1-Dichloropropene	7.841	75	132425	54.034	ug/l	98
37) Ethyl Acetate	6.988	43	60168	65.852	ug/l	95
38) Carbon Tetrachloride	7.823	117	156282	51.530	ug/l	99
39) Methylcyclohexane	9.116	83	168118	51.064	ug/l	95
40) Benzene	8.085	78	393690	54.594	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	31701	62.707	ug/l	93
42) 1,2-Dichloroethane	8.165	62	108251	59.191	ug/l	99
43) Isopropyl Acetate	8.201	43	120630	66.087	ug/l	96
44) Trichloroethene	8.872	130	99733	50.121	ug/l	99
45) 1,2-Dichloropropane	9.146	63	93348	57.754	ug/l	99
46) Dibromomethane	9.238	93	51734	55.001	ug/l	95
47) Bromodichloromethane	9.427	83	137852	55.807	ug/l	97
48) Methyl methacrylate	9.225	41	54848	63.113	ug/l	91
49) 1,4-Dioxane	9.231	88	10030	1003.514	ug/l #	91
51) 4-Methyl-2-Pentanone	10.000	43	308616	329.038	ug/l	95
52) Toluene	10.176	92	250280	53.469	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	128314	57.403	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	149965	56.133	ug/l #	91
55) 1,1,2-Trichloroethane	10.579	97	67249	53.761	ug/l	99
56) Ethyl methacrylate	10.445	69	96579	59.067	ug/l #	88
57) 1,3-Dichloropropane	10.725	76	117634	55.483	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	224134	322.966	ug/l	95
59) 2-Hexanone	10.768	43	205217	336.612	ug/l	92
60) Dibromochloromethane	10.914	129	93957	52.680	ug/l	100
61) 1,2-Dibromoethane	11.018	107	64333	53.845	ug/l	98
64) Tetrachloroethene	10.652	164	90228	47.817	ug/l	98
65) Chlorobenzene	11.445	112	270176	51.263	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	95653	51.137	ug/l	97
67) Ethyl Benzene	11.524	91	486059	53.265	ug/l	100
68) m/p-Xylenes	11.633	106	366509	104.538	ug/l	98
69) o-Xylene	11.963	106	170229	52.229	ug/l	96
70) Styrene	11.975	104	289102	53.426	ug/l	98
71) Bromoform	12.133	173	54130	49.101	ug/l #	98
73) Isopropylbenzene	12.261	105	461198	54.240	ug/l	99
74) N-amyl acetate	12.072	43	107371	69.346	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.511	83	76500	55.736	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	55904m	58.330	ug/l	
77) Bromobenzene	12.536	156	104605	51.889	ug/l	93
78) n-propylbenzene	12.603	91	554600	55.653	ug/l	98
79) 2-Chlorotoluene	12.688	91	312917	55.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	376397	54.032	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	26957	58.386	ug/l	91
82) 4-Chlorotoluene	12.786	91	316855	54.527	ug/l	100
83) tert-Butylbenzene	13.005	119	347315	53.757	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	370408	54.433	ug/l	100
85) sec-Butylbenzene	13.182	105	488820	53.440	ug/l	100
86) p-Isopropyltoluene	13.298	119	414156	53.878	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	203767	51.839	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	201529	51.631	ug/l	100
89) n-Butylbenzene	13.621	91	381707	55.439	ug/l	99
90) Hexachloroethane	13.889	117	84237	54.167	ug/l	94
91) 1,2-Dichlorobenzene	13.664	146	176718	51.554	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11716	55.445	ug/l	93
93) 1,2,4-Trichlorobenzene	14.926	180	105932	50.473	ug/l	99
94) Hexachlorobutadiene	15.029	225	67092	46.155	ug/l	99
95) Naphthalene	15.151	128	180166	53.412	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	88730	49.991	ug/l	99

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

