

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021273.D
 Acq On : 21 Feb 2025 00:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2025
 Supervised By :Semsettin Yesilyurt 02/21/2025

Quant Time: Feb 21 02:51:13 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

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	125886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	203767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	182807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	91660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	83014	64.362	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.720%			
35) Dibromofluoromethane	7.646	113	75520	57.831	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.660%			
50) Toluene-d8	10.115	98	275965	55.509	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.020%			
62) 4-Bromofluorobenzene	12.414	95	96834	59.620	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 119.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	50963	45.422	ug/l	96
3) Chloromethane	2.074	50	63995	57.801	ug/l	97
4) Vinyl Chloride	2.214	62	63401	56.893	ug/l	98
5) Bromomethane	2.605	94	39684	57.616	ug/l	95
6) Chloroethane	2.745	64	41512	62.577	ug/l	100
7) Trichlorofluoromethane	3.068	101	104361	51.403	ug/l	98
8) Diethyl Ether	3.464	74	38278	60.395	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.830	101	63557	49.880	ug/l	95
10) Methyl Iodide	4.019	142	77661	54.860	ug/l	92
11) Tert butyl alcohol	4.903	59	28998	331.769	ug/l	96
12) 1,1-Dichloroethene	3.806	96	60844	50.691	ug/l	87
13) Acrolein	3.665	56	28051	208.415	ug/l	97
14) Allyl chloride	4.397	41	117603	58.135	ug/l	94
15) Acrylonitrile	5.074	53	96014	363.797	ug/l	98
16) Acetone	3.891	43	73324	364.539	ug/l	92
17) Carbon Disulfide	4.117	76	173376	46.064	ug/l	99
18) Methyl Acetate	4.403	43	61801	87.525	ug/l	96
19) Methyl tert-butyl Ether	5.129	73	200338	66.036	ug/l	99
20) Methylene Chloride	4.629	84	78534	62.807	ug/l	90
21) trans-1,2-Dichloroethene	5.129	96	69879	52.890	ug/l	89
22) Diisopropyl ether	6.037	45	271546	65.124	ug/l	96
23) Vinyl Acetate	5.976	43	788540	339.241	ug/l	97
24) 1,1-Dichloroethane	5.927	63	144140	59.002	ug/l	97
25) 2-Butanone	6.909	43	127125	384.609	ug/l	96
26) 2,2-Dichloropropane	6.896	77	112288	49.675	ug/l	97
27) cis-1,2-Dichloroethene	6.909	96	86416	56.824	ug/l	92
28) Bromochloromethane	7.256	49	68354	70.759	ug/l	96
29) Tetrahydrofuran	7.274	42	87224	389.988	ug/l	92
30) Chloroform	7.433	83	149627	59.629	ug/l	98
31) Cyclohexane	7.713	56	105701	48.048	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	127812	54.785	ug/l	99
36) 1,1-Dichloropropene	7.848	75	97864	50.596	ug/l	99
37) Ethyl Acetate	6.994	43	61668	72.676	ug/l	97
38) Carbon Tetrachloride	7.829	117	113530	50.233	ug/l	98
39) Methylcyclohexane	9.122	83	113053	47.784	ug/l	98
40) Benzene	8.091	78	312957	55.135	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	34960	71.216	ug/l	95
42) 1,2-Dichloroethane	8.171	62	93845	59.599	ug/l	97
43) Isopropyl Acetate	8.207	43	118307	70.168	ug/l #	86
44) Trichloroethene	8.872	130	75355	51.383	ug/l	95
45) 1,2-Dichloropropane	9.152	63	79131	58.734	ug/l	99
46) Dibromomethane	9.238	93	44803	60.061	ug/l	97
47) Bromodichloromethane	9.433	83	117411	58.688	ug/l	98
48) Methyl methacrylate	9.225	41	55776	72.625	ug/l	93
49) 1,4-Dioxane	9.244	88	8900	1281.634	ug/l #	87
51) 4-Methyl-2-Pentanone	10.006	43	324924	383.229	ug/l	95
52) Toluene	10.176	92	195515	54.856	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	107767	59.991	ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	121802	57.266	ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	58781	60.852	ug/l	99
56) Ethyl methacrylate	10.445	69	88431	68.432	ug/l	88
57) 1,3-Dichloropropane	10.725	76	104558	62.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	193512	314.767	ug/l	98
59) 2-Hexanone	10.768	43	219318	401.753	ug/l	94
60) Dibromochloromethane	10.920	129	81986	60.437	ug/l	98
61) 1,2-Dibromoethane	11.024	107	55486	61.324	ug/l	99
64) Tetrachloroethene	10.658	164	69161	50.964	ug/l	93
65) Chlorobenzene	11.451	112	217149	53.347	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	79936	55.260	ug/l	98
67) Ethyl Benzene	11.524	91	383947	53.328	ug/l	97
68) m/p-Xylenes	11.633	106	284985	105.809	ug/l	97
69) o-Xylene	11.963	106	135337	53.895	ug/l	96
70) Styrene	11.975	104	234565	56.045	ug/l	98
71) Bromoform	12.139	173	49445	61.409	ug/l #	98
73) Isopropylbenzene	12.261	105	362824	50.674	ug/l	100
74) N-amyl acetate	12.078	43	102755	65.643	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	73359	61.605	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	45587m	54.827	ug/l	
77) Bromobenzene	12.542	156	85692	51.863	ug/l	98
78) n-propylbenzene	12.603	91	434352	50.926	ug/l	99
79) 2-Chlorotoluene	12.688	91	251462	51.476	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	298811	51.474	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	23695	58.149	ug/l	95
82) 4-Chlorotoluene	12.786	91	257492	51.735	ug/l	100
83) tert-Butylbenzene	13.005	119	265426	50.303	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	294856	51.948	ug/l	98
85) sec-Butylbenzene	13.182	105	382948	50.418	ug/l	99
86) p-Isopropyltoluene	13.298	119	320640	50.820	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	165598	51.907	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	161998	51.572	ug/l	98
89) n-Butylbenzene	13.627	91	292927	50.892	ug/l	99
90) Hexachloroethane	13.889	117	67709	51.441	ug/l	86
91) 1,2-Dichlorobenzene	13.664	146	149001	53.810	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	11570	65.020	ug/l	96
93) 1,2,4-Trichlorobenzene	14.932	180	83899	54.434	ug/l	99
94) Hexachlorobutadiene	15.035	225	49579	48.541	ug/l	99
95) Naphthalene	15.151	128	163920	66.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	74253	57.889	ug/l	99

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

