

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022095.D
 Acq On : 01 May 2025 08:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: May 01 12:52:18 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	300031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	433614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	227184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129452	46.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.420%		
35) Dibromofluoromethane	7.634	113	145369	50.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.500%		
50) Toluene-d8	10.109	98	550662	50.988	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.980%		
62) 4-Bromofluorobenzene	12.408	95	185315	50.971	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	107755	42.149	ug/l	100
3) Chloromethane	2.068	50	162561	44.656	ug/l	99
4) Vinyl Chloride	2.202	62	203141	45.411	ug/l	98
5) Bromomethane	2.592	94	153399	39.803	ug/l	98
6) Chloroethane	2.733	64	136234	44.717	ug/l	96
7) Trichlorofluoromethane	3.056	101	267266	45.309	ug/l	98
8) Diethyl Ether	3.458	74	65627	42.745	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	145092	45.342	ug/l	98
10) Methyl Iodide	4.001	142	166199	44.860	ug/l	98
11) Tert butyl alcohol	4.879	59	36425	239.412	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	132167	44.312	ug/l	97
13) Acrolein	3.653	56	46426	170.015	ug/l	99
14) Allyl chloride	4.385	41	149377	43.012	ug/l	99
15) Acrylonitrile	5.061	53	131912	234.690	ug/l	99
16) Acetone	3.873	43	93527	258.562	ug/l	93
17) Carbon Disulfide	4.104	76	411563	43.277	ug/l	100
18) Methyl Acetate	4.385	43	67887	52.440	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	309344	46.339	ug/l	99
20) Methylene Chloride	4.610	84	146445	41.790	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	152494	45.652	ug/l	97
22) Diisopropyl ether	6.019	45	358660	46.406	ug/l	99
23) Vinyl Acetate	5.958	43	972154	233.397	ug/l	99
24) 1,1-Dichloroethane	5.915	63	236343	44.117	ug/l	98
25) 2-Butanone	6.896	43	149979	237.416	ug/l	100
26) 2,2-Dichloropropane	6.884	77	216277	46.061	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	171041	45.794	ug/l	100
28) Bromochloromethane	7.238	49	102077	49.056	ug/l	95
29) Tetrahydrofuran	7.262	42	100678	245.385	ug/l	97
30) Chloroform	7.421	83	275742	46.403	ug/l	100
31) Cyclohexane	7.701	56	199607	43.571	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	244709	45.518	ug/l	99
36) 1,1-Dichloropropene	7.835	75	186977	48.590	ug/l	100
37) Ethyl Acetate	6.988	43	70801	51.230	ug/l	97
38) Carbon Tetrachloride	7.817	117	229097	49.824	ug/l	100
39) Methylcyclohexane	9.110	83	238404	49.231	ug/l	96
40) Benzene	8.079	78	593961	49.378	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	34133	45.180	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	150849	50.652	ug/l	99
43) Isopropyl Acetate	8.195	43	130927	49.331	ug/l	99
44) Trichloroethene	8.866	130	166940	50.105	ug/l	99
45) 1,2-Dichloropropane	9.140	63	131749	49.528	ug/l	97
46) Dibromomethane	9.231	93	84979	51.032	ug/l	99
47) Bromodichloromethane	9.427	83	209708	50.411	ug/l	100
48) Methyl methacrylate	9.219	41	64491	52.563	ug/l	97
49) 1,4-Dioxane	9.231	88	19493	1098.297	ug/l	91
51) 4-Methyl-2-Pentanone	10.000	43	381378	274.117	ug/l	99
52) Toluene	10.170	92	401133	51.517	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	180292	50.528	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	209730	49.447	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	115966	52.135	ug/l	98
56) Ethyl methacrylate	10.439	69	133143	52.343	ug/l	98
57) 1,3-Dichloropropane	10.719	76	182342	51.135	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	351579	282.693	ug/l	99
59) 2-Hexanone	10.762	43	255399	278.311	ug/l	99
60) Dibromochloromethane	10.914	129	160702	52.183	ug/l	99
61) 1,2-Dibromoethane	11.012	107	108715	51.771	ug/l	100
64) Tetrachloroethene	10.646	164	197335	51.010	ug/l	99
65) Chlorobenzene	11.444	112	442124	48.212	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	160317	49.657	ug/l	100
67) Ethyl Benzene	11.518	91	742816	49.517	ug/l	99
68) m/p-Xylenes	11.627	106	610976	102.352	ug/l	99
69) o-Xylene	11.957	106	277219	50.386	ug/l	98
70) Styrene	11.969	104	480407	52.004	ug/l	99
71) Bromoform	12.133	173	97556	51.974	ug/l #	98
73) Isopropylbenzene	12.255	105	727842	47.953	ug/l	99
74) N-amyl acetate	12.072	43	120776	46.314	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	120473	47.078	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	96284m	49.479	ug/l	
77) Bromobenzene	12.536	156	186160	48.538	ug/l	99
78) n-propylbenzene	12.597	91	874536	48.382	ug/l	99
79) 2-Chlorotoluene	12.682	91	498448	47.417	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	613435	49.051	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	38218	47.296	ug/l	98
82) 4-Chlorotoluene	12.780	91	523473	47.904	ug/l	98
83) tert-Butylbenzene	12.999	119	538982	48.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	621868	49.714	ug/l	100
85) sec-Butylbenzene	13.176	105	800547	48.777	ug/l	99
86) p-Isopropyltoluene	13.292	119	689548	49.477	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	371168	47.649	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	364925	47.301	ug/l	98
89) n-Butylbenzene	13.621	91	597694	47.980	ug/l	99
90) Hexachloroethane	13.883	117	142735	46.615	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	324218	47.720	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19397	47.643	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	182261	47.340	ug/l	100
94) Hexachlorobutadiene	15.023	225	111490	47.066	ug/l	99
95) Naphthalene	15.145	128	304421	47.598	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	158454	47.678	ug/l	98

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

