

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021710.D
 Acq On : 31 Mar 2025 10:08
 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 :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:32:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	219865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	330473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	302464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	127456	53.504	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.000%			
35) Dibromofluoromethane	7.634	113	122875	57.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.640%			
50) Toluene-d8	10.103	98	468580	57.457	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.920%			
62) 4-Bromofluorobenzene	12.408	95	157726	57.178	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	110829	48.634	ug/l	99
3) Chloromethane	2.068	50	153656	47.952	ug/l	100
4) Vinyl Chloride	2.202	62	176402	48.678	ug/l	100
5) Bromomethane	2.592	94	115403	46.691	ug/l	94
6) Chloroethane	2.733	64	115443	48.684	ug/l	99
7) Trichlorofluoromethane	3.056	101	236259	50.894	ug/l	96
8) Diethyl Ether	3.452	74	60712	48.091	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	123379	50.392	ug/l	99
10) Methyl Iodide	4.001	142	138134	51.427	ug/l	99
11) Tert butyl alcohol	4.848	59	36150	233.635	ug/l	100
12) 1,1-Dichloroethene	3.787	96	114123	49.486	ug/l	95
13) Acrolein	3.647	56	48270	170.852	ug/l	100
14) Allyl chloride	4.379	41	181439	49.344	ug/l	100
15) Acrylonitrile	5.055	53	133278	252.846	ug/l	98
16) Acetone	3.867	43	107103	219.682	ug/l	100
17) Carbon Disulfide	4.104	76	375340	49.414	ug/l	98
18) Methyl Acetate	4.379	43	64621	53.480	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	289989	50.507	ug/l	100
20) Methylene Chloride	4.616	84	125964	53.035	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	126860	49.961	ug/l	97
22) Diisopropyl ether	6.012	45	400685	51.947	ug/l	99
23) Vinyl Acetate	5.958	43	1158030	256.635	ug/l	99
24) 1,1-Dichloroethane	5.915	63	229920	49.850	ug/l	99
25) 2-Butanone	6.890	43	171790	246.699	ug/l	98
26) 2,2-Dichloropropane	6.884	77	202048	49.248	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	142913	50.049	ug/l	99
28) Bromochloromethane	7.238	49	98416	50.596	ug/l	99
29) Tetrahydrofuran	7.256	42	115430	257.561	ug/l	99
30) Chloroform	7.421	83	238885	49.797	ug/l	99
31) Cyclohexane	7.701	56	203830	48.480	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	215280	49.652	ug/l	98
36) 1,1-Dichloropropene	7.835	75	173128	53.022	ug/l	99
37) Ethyl Acetate	6.982	43	79695	51.716	ug/l	98
38) Carbon Tetrachloride	7.817	117	200776	53.686	ug/l	98
39) Methylcyclohexane	9.110	83	211833	54.307	ug/l	99
40) Benzene	8.079	78	519385	53.115	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	44282	54.109	ug/l #	100
42) 1,2-Dichloroethane	8.152	62	145634	52.829	ug/l	99
43) Isopropyl Acetate	8.195	43	150197	51.432	ug/l #	85
44) Trichloroethene	8.866	130	129956	52.160	ug/l	100
45) 1,2-Dichloropropane	9.140	63	122763	53.038	ug/l	100
46) Dibromomethane	9.231	93	71550	53.637	ug/l	97
47) Bromodichloromethane	9.420	83	183708	53.147	ug/l	99
48) Methyl methacrylate	9.219	41	74238	55.389	ug/l	97
49) 1,4-Dioxane	9.225	88	15546	1087.866	ug/l	91
51) 4-Methyl-2-Pentanone	10.000	43	419220	275.853	ug/l	99
52) Toluene	10.170	92	329514	54.010	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	166167	54.122	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	193376	53.389	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	91162	53.104	ug/l	99
56) Ethyl methacrylate	10.439	69	121632	55.489	ug/l	98
57) 1,3-Dichloropropane	10.719	76	161318	54.411	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	317515	296.929	ug/l	100
59) 2-Hexanone	10.762	43	282672	279.290	ug/l	99
60) Dibromochloromethane	10.908	129	127495	54.396	ug/l	100
61) 1,2-Dibromoethane	11.012	107	87468	54.315	ug/l	99
64) Tetrachloroethene	10.646	164	139924	50.794	ug/l	96
65) Chlorobenzene	11.438	112	351796	50.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	128337	52.170	ug/l	100
67) Ethyl Benzene	11.518	91	622139	52.327	ug/l	99
68) m/p-Xylenes	11.627	106	481760	105.817	ug/l	100
69) o-Xylene	11.957	106	223057	53.076	ug/l	99
70) Styrene	11.969	104	384466	54.868	ug/l	98
71) Bromoform	12.133	173	74815	53.316	ug/l #	100
73) Isopropylbenzene	12.255	105	588325	51.977	ug/l	99
74) N-amyl acetate	12.072	43	138528	52.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	102605	50.420	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	78144m	51.730	ug/l	
77) Bromobenzene	12.530	156	140917	51.852	ug/l	99
78) n-propylbenzene	12.597	91	717878	52.754	ug/l	99
79) 2-Chlorotoluene	12.682	91	407733	51.587	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	490840	53.059	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	34607	52.787	ug/l	98
82) 4-Chlorotoluene	12.780	91	426228	51.727	ug/l	100
83) tert-Butylbenzene	12.999	119	433355	52.594	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	486329	53.191	ug/l	100
85) sec-Butylbenzene	13.176	105	631509	52.444	ug/l	99
86) p-Isopropyltoluene	13.292	119	530150	53.269	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	275074	51.375	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	269656	50.974	ug/l	99
89) n-Butylbenzene	13.621	91	487459	52.961	ug/l	100
90) Hexachloroethane	13.877	117	109245	50.091	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	238170	51.099	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15397	48.816	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	129975	51.422	ug/l	99
94) Hexachlorobutadiene	15.023	225	80551	51.027	ug/l	98
95) Naphthalene	15.145	128	223037	53.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	113397	52.610	ug/l	99

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

