

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022903.D
 Acq On : 02 Jul 2025 10:37
 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 :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:17:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	453239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	750175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	644334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	321198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	249332	49.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.580%		
35) Dibromofluoromethane	7.634	113	227050	49.768	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.540%		
50) Toluene-d8	10.109	98	913078	50.437	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.880%		
62) 4-Bromofluorobenzene	12.402	95	291499	50.088	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	186320	48.074	ug/l	98
3) Chloromethane	2.068	50	406579	54.938	ug/l	98
4) Vinyl Chloride	2.202	62	473041	51.162	ug/l	100
5) Bromomethane	2.598	94	366252	50.387	ug/l	99
6) Chloroethane	2.739	64	325483	52.370	ug/l	95
7) Trichlorofluoromethane	3.056	101	512534	50.063	ug/l	97
8) Diethyl Ether	3.458	74	131602	52.045	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	239790	51.252	ug/l	98
10) Methyl Iodide	4.007	142	268171	52.645	ug/l	99
11) Tert butyl alcohol	4.891	59	77275	229.738	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	237332	51.733	ug/l	97
13) Acrolein	3.659	56	59412	130.259	ug/l	98
14) Allyl chloride	4.385	41	389043	55.134	ug/l	93
15) Acrylonitrile	5.061	53	283103	268.343	ug/l	100
16) Acetone	3.879	43	295403	308.962	ug/l	97
17) Carbon Disulfide	4.104	76	755112	50.951	ug/l	100
18) Methyl Acetate	4.391	43	154964	48.941	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	661264	52.936	ug/l	100
20) Methylene Chloride	4.616	84	296352	49.080	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	272178	51.911	ug/l	99
22) Diisopropyl ether	6.025	45	859742	54.863	ug/l	98
23) Vinyl Acetate	5.964	43	2436577	281.530	ug/l	100
24) 1,1-Dichloroethane	5.921	63	510988	53.984	ug/l	99
25) 2-Butanone	6.903	43	396519	284.947	ug/l	98
26) 2,2-Dichloropropane	6.890	77	438828	55.306	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	315381	51.765	ug/l	97
28) Bromochloromethane	7.244	49	206234	51.825	ug/l	97
29) Tetrahydrofuran	7.268	42	237778	270.605	ug/l	98
30) Chloroform	7.427	83	508238	52.131	ug/l	94
31) Cyclohexane	7.701	56	459160	52.845	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	448242	53.205	ug/l	99
36) 1,1-Dichloropropene	7.835	75	371706	53.752	ug/l	100
37) Ethyl Acetate	6.988	43	165291	55.392	ug/l	98
38) Carbon Tetrachloride	7.823	117	388703	53.273	ug/l	99
39) Methylcyclohexane	9.109	83	491933	54.971	ug/l	99
40) Benzene	8.079	78	1141160	53.674	ug/l	100

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41) Methacrylonitrile	7.226	41	89058	48.479	ug/l	96
42) 1,2-Dichloroethane	8.158	62	311167	53.409	ug/l	99
43) Isopropyl Acetate	8.201	43	339974	54.817	ug/l	99
44) Trichloroethene	8.866	130	284153	53.232	ug/l	100
45) 1,2-Dichloropropane	9.140	63	272403	54.743	ug/l	100
46) Dibromomethane	9.231	93	145649	51.562	ug/l	96
47) Bromodichloromethane	9.426	83	384954	52.849	ug/l	95
48) Methyl methacrylate	9.219	41	166230	55.754	ug/l	94
49) 1,4-Dioxane	9.238	88	32026	959.632	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	891979	283.019	ug/l	97
52) Toluene	10.170	92	725115	54.060	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	360192	54.960	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	413613	54.430	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	194751	53.244	ug/l	96
56) Ethyl methacrylate	10.438	69	273989	55.677	ug/l	94
57) 1,3-Dichloropropane	10.719	76	342524	53.673	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	675089	260.320	ug/l	100
59) 2-Hexanone	10.762	43	618341	288.576	ug/l	98
60) Dibromochloromethane	10.914	129	248656	52.630	ug/l	99
61) 1,2-Dibromoethane	11.018	107	179534	52.452	ug/l	98
64) Tetrachloroethene	10.646	164	320778	52.699	ug/l	96
65) Chlorobenzene	11.444	112	759204	53.623	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	254715	53.117	ug/l	98
67) Ethyl Benzene	11.518	91	1394245	56.048	ug/l	98
68) m/p-Xylenes	11.627	106	1074780	111.770	ug/l	99
69) o-Xylene	11.957	106	504799	55.713	ug/l	99
70) Styrene	11.969	104	846178	55.754	ug/l	99
71) Bromoform	12.133	173	141673	53.058	ug/l #	99
73) Isopropylbenzene	12.255	105	1321351	55.625	ug/l	99
74) N-amyl acetate	12.072	43	308837	57.921	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	204060	53.300	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	160991m	49.095	ug/l	
77) Bromobenzene	12.530	156	287274	53.353	ug/l	99
78) n-propylbenzene	12.597	91	1616734	56.371	ug/l	98
79) 2-Chlorotoluene	12.676	91	895405	55.258	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1071945	55.899	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	73314	56.484	ug/l	97
82) 4-Chlorotoluene	12.780	91	925486	54.375	ug/l	100
83) tert-Butylbenzene	12.999	119	955110	56.476	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1072543	55.864	ug/l	99
85) sec-Butylbenzene	13.176	105	1449215	56.954	ug/l	100
86) p-Isopropyltoluene	13.292	119	1197717	56.563	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	585352	54.130	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	576014	53.624	ug/l	99
89) n-Butylbenzene	13.615	91	1146686	57.570	ug/l	99
90) Hexachloroethane	13.877	117	228866	54.266	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	506458	53.145	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33664	51.851	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	282495	52.504	ug/l	98
94) Hexachlorobutadiene	15.023	225	154702	50.846	ug/l	98
95) Naphthalene	15.139	128	508722	52.284	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	234121	50.355	ug/l	97

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

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