

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022182.D
 Acq On : 07 May 2025 09:05
 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 05/08/2025
 Supervised By :Semsettin Yesilyurt 05/08/2025

Quant Time: May 08 01:40:37 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	210498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	311397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	299997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	167851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105829	54.430	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.860%			
35) Dibromofluoromethane	7.634	113	112361	54.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.240%			
50) Toluene-d8	10.109	98	446486	57.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.140%			
62) 4-Bromofluorobenzene	12.408	95	154397	59.135	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	75863	42.295	ug/l	97
3) Chloromethane	2.068	50	138898	54.385	ug/l	98
4) Vinyl Chloride	2.202	62	169747	54.086	ug/l	97
5) Bromomethane	2.592	94	132084	48.849	ug/l	98
6) Chloroethane	2.733	64	116061	54.299	ug/l	99
7) Trichlorofluoromethane	3.056	101	203756	49.234	ug/l	98
8) Diethyl Ether	3.458	74	50256	46.656	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	110140	49.060	ug/l	98
10) Methyl Iodide	4.001	142	128497	49.436	ug/l	98
11) Tert butyl alcohol	4.872	59	23619	221.271	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	100531	48.042	ug/l	94
13) Acrolein	3.653	56	16747	87.414	ug/l	94
14) Allyl chloride	4.385	41	124974	51.291	ug/l	97
15) Acrylonitrile	5.061	53	99137	251.399	ug/l	99
16) Acetone	3.873	43	76669	306.044	ug/l	99
17) Carbon Disulfide	4.104	76	314463	47.131	ug/l	99
18) Methyl Acetate	4.385	43	48798	53.728	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	229869	49.079	ug/l	99
20) Methylene Chloride	4.610	84	120953	49.197	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	115975	49.487	ug/l	96
22) Diisopropyl ether	6.019	45	307090	56.634	ug/l	97
23) Vinyl Acetate	5.958	43	791777	270.945	ug/l	97
24) 1,1-Dichloroethane	5.915	63	198860	52.909	ug/l	98
25) 2-Butanone	6.902	43	115764	261.199	ug/l	95
26) 2,2-Dichloropropane	6.884	77	176586	53.605	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	134040	51.152	ug/l	96
28) Bromochloromethane	7.244	49	80625	55.227	ug/l	95
29) Tetrahydrofuran	7.262	42	76742	266.603	ug/l	99
30) Chloroform	7.421	83	223909	53.708	ug/l	99
31) Cyclohexane	7.701	56	162398	50.527	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	197110	52.259	ug/l	98
36) 1,1-Dichloropropene	7.835	75	154811	56.021	ug/l	97
37) Ethyl Acetate	6.988	43	55807	56.229	ug/l	99
38) Carbon Tetrachloride	7.817	117	182047	55.130	ug/l	100
39) Methylcyclohexane	9.109	83	187610	53.948	ug/l	97
40) Benzene	8.079	78	487982	56.490	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022182.D
 Acq On : 07 May 2025 09:05
 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 05/08/2025
 Supervised By :Semsettin Yesilyurt 05/08/2025

Quant Time: May 08 01:40:37 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)
41) Methacrylonitrile	7.220	41	26154m	48.206	ug/l	
42) 1,2-Dichloroethane	8.158	62	123641	57.810	ug/l	99
43) Isopropyl Acetate	8.201	43	104156	54.646	ug/l	96
44) Trichloroethene	8.866	130	124996	52.240	ug/l	93
45) 1,2-Dichloropropane	9.140	63	111198	58.208	ug/l	99
46) Dibromomethane	9.231	93	67722	56.630	ug/l	96
47) Bromodichloromethane	9.426	83	170911	57.210	ug/l	100
48) Methyl methacrylate	9.219	41	49358	56.018	ug/l	97
49) 1,4-Dioxane	9.237	88	13113	1028.803	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	292188	292.437	ug/l	97
52) Toluene	10.170	92	325502	58.211	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	144889	56.543	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	174833	57.397	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	90389	56.586	ug/l	98
56) Ethyl methacrylate	10.438	69	103830	56.840	ug/l	96
57) 1,3-Dichloropropane	10.719	76	145667	56.883	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	255878	286.493	ug/l	99
59) 2-Hexanone	10.762	43	196899	298.774	ug/l	95
60) Dibromochloromethane	10.914	129	124126	56.126	ug/l	98
61) 1,2-Dibromoethane	11.018	107	84888	56.290	ug/l	98
64) Tetrachloroethene	10.646	164	149382	52.784	ug/l	97
65) Chlorobenzene	11.444	112	362212	53.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	128943	54.594	ug/l	100
67) Ethyl Benzene	11.518	91	609889	55.574	ug/l	99
68) m/p-Xylenes	11.633	106	490191	112.250	ug/l	99
69) o-Xylene	11.956	106	225123	55.932	ug/l	100
70) Styrene	11.969	104	395321	58.497	ug/l	99
71) Bromoform	12.133	173	73564	53.573	ug/l #	99
73) Isopropylbenzene	12.255	105	599120	53.425	ug/l	100
74) N-amyl acetate	12.072	43	97529	50.619	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	96830	51.214	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	63201m	43.959	ug/l	
77) Bromobenzene	12.536	156	146672	51.760	ug/l	97
78) n-propylbenzene	12.597	91	739542	55.376	ug/l	99
79) 2-Chlorotoluene	12.682	91	419774	54.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	511111	55.316	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	30388	50.899	ug/l	96
82) 4-Chlorotoluene	12.779	91	446140	55.259	ug/l	99
83) tert-Butylbenzene	12.999	119	441149	53.235	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	509199	55.096	ug/l	99
85) sec-Butylbenzene	13.176	105	661345	54.539	ug/l	100
86) p-Isopropyltoluene	13.292	119	566145	54.982	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	303472	52.729	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	296890	52.086	ug/l	99
89) n-Butylbenzene	13.621	91	504471	54.812	ug/l	100
90) Hexachloroethane	13.883	117	120755	53.376	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	266800	53.150	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15292	50.837	ug/l	85
93) 1,2,4-Trichlorobenzene	14.919	180	145340	51.094	ug/l	100
94) Hexachlorobutadiene	15.023	225	89306	51.028	ug/l	98
95) Naphthalene	15.145	128	232067	49.112	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	124814	50.832	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
Data File : VY022182.D
Acq On : 07 May 2025 09:05
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 05/08/2025
Supervised By :Semsettin Yesilyurt 05/08/2025

Quant Time: May 08 01:40:37 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)
----------	------	------	----------	------	-------	----------

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

Manual Integrations

Quant Time: May 08 01:40:37 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

