

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021610.D
 Acq On : 24 Mar 2025 11:06
 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 03/26/2025
 Supervised By :Semsettin Yesilyurt 03/26/2025

Quant Time: Mar 25 01:28:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	214834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	321283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	285181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	147004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98816	43.519	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.040%		
35) Dibromofluoromethane	7.628	113	98856	46.810	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.620%		
50) Toluene-d8	10.103	98	366801	45.872	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.740%		
62) 4-Bromofluorobenzene	12.408	95	127119	46.736	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.480%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	84520	42.872	ug/l	95
3) Chloromethane	2.068	50	133678	48.095	ug/l	99
4) Vinyl Chloride	2.202	62	155311	51.133	ug/l	98
5) Bromomethane	2.592	94	101103	46.055	ug/l	97
6) Chloroethane	2.733	64	109792	54.697	ug/l	96
7) Trichlorofluoromethane	3.056	101	216750	51.126	ug/l	99
8) Diethyl Ether	3.452	74	54656	46.520	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	119081	49.196	ug/l	99
10) Methyl Iodide	3.995	142	117665	47.822	ug/l	99
11) Tert butyl alcohol	4.854	59	33095	221.611	ug/l	98
12) 1,1-Dichloroethene	3.787	96	105689	47.892	ug/l	97
13) Acrolein	3.653	56	4054	35.101	ug/l	93
14) Allyl chloride	4.379	41	175347	49.168	ug/l	99
15) Acrylonitrile	5.055	53	119478	238.887	ug/l	99
16) Acetone	3.867	43	132281	267.098	ug/l	93
17) Carbon Disulfide	4.098	76	294395	42.567	ug/l	98
18) Methyl Acetate	4.385	43	69528	63.272	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	271094	48.467	ug/l	100
20) Methylene Chloride	4.610	84	127413	49.011	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	118523	47.957	ug/l	97
22) Diisopropyl ether	6.019	45	379566	49.386	ug/l	95
23) Vinyl Acetate	5.958	43	1010569	230.392	ug/l	99
24) 1,1-Dichloroethane	5.915	63	224139	49.412	ug/l	99
25) 2-Butanone	6.890	43	165552	241.652	ug/l	98
26) 2,2-Dichloropropane	6.884	77	205548	49.248	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	138197	49.222	ug/l	98
28) Bromochloromethane	7.238	49	86231	45.344	ug/l	98
29) Tetrahydrofuran	7.262	42	98775	233.546	ug/l	100
30) Chloroform	7.415	83	234869	49.863	ug/l	99
31) Cyclohexane	7.695	56	182822	42.990	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	212965	49.379	ug/l	100
36) 1,1-Dichloropropene	7.835	75	163545	49.474	ug/l	98
37) Ethyl Acetate	6.982	43	68040	46.568	ug/l	99
38) Carbon Tetrachloride	7.811	117	196650	51.726	ug/l	98
39) Methylcyclohexane	9.109	83	198465	48.945	ug/l	99
40) Benzene	8.079	78	489296	50.247	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021610.D
 Acq On : 24 Mar 2025 11:06
 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 03/26/2025
 Supervised By :Semsettin Yesilyurt 03/26/2025

Quant Time: Mar 25 01:28:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	40217	50.552	ug/l #	94
42) 1,2-Dichloroethane	8.152	62	135254	49.649	ug/l	100
43) Isopropyl Acetate	8.195	43	135023	47.605	ug/l #	88
44) Trichloroethene	8.866	130	127529	51.825	ug/l	99
45) 1,2-Dichloropropane	9.140	63	117700	50.785	ug/l	99
46) Dibromomethane	9.231	93	63649	49.358	ug/l	97
47) Bromodichloromethane	9.420	83	178238	52.046	ug/l	97
48) Methyl methacrylate	9.219	41	66185	50.817	ug/l	99
49) 1,4-Dioxane	9.225	88	14003	1106.321	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	363229	248.201	ug/l	100
52) Toluene	10.170	92	318719	51.915	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	154971	51.363	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	185508	51.787	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	86911	51.523	ug/l	98
56) Ethyl methacrylate	10.439	69	111021	51.606	ug/l	100
57) 1,3-Dichloropropane	10.719	76	148050	50.639	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	248787	250.514	ug/l	99
59) 2-Hexanone	10.762	43	256739	265.318	ug/l	99
60) Dibromochloromethane	10.908	129	120995	52.321	ug/l	98
61) 1,2-Dibromoethane	11.012	107	80648	50.657	ug/l	98
64) Tetrachloroethene	10.646	164	134346	57.933	ug/l	98
65) Chlorobenzene	11.444	112	344526	51.159	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	123362	51.812	ug/l	99
67) Ethyl Benzene	11.518	91	609768	51.587	ug/l	99
68) m/p-Xylenes	11.627	106	468296	104.354	ug/l	100
69) o-Xylene	11.957	106	221231	53.490	ug/l	97
70) Styrene	11.969	104	372764	54.329	ug/l	98
71) Bromoform	12.133	173	69592	52.286	ug/l #	100
73) Isopropylbenzene	12.255	105	597823	51.626	ug/l	100
74) N-amyl acetate	12.072	43	120653	47.976	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	95806	46.884	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	70177m	47.374	ug/l	
77) Bromobenzene	12.536	156	135268	49.931	ug/l	97
78) n-propylbenzene	12.597	91	724338	51.505	ug/l	99
79) 2-Chlorotoluene	12.682	91	404719	50.329	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	494299	52.526	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31116	47.752	ug/l	96
82) 4-Chlorotoluene	12.780	91	424429	50.970	ug/l	100
83) tert-Butylbenzene	12.999	119	441224	52.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	489203	52.357	ug/l	100
85) sec-Butylbenzene	13.176	105	656012	52.520	ug/l	99
86) p-Isopropyltoluene	13.292	119	546789	53.136	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	275999	51.181	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	270750	51.338	ug/l	99
89) n-Butylbenzene	13.621	91	513382	54.028	ug/l	99
90) Hexachloroethane	13.883	117	114690	52.244	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	241183	52.182	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14894	48.657	ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	141425	56.021	ug/l	98
94) Hexachlorobutadiene	15.029	225	89087	56.296	ug/l	98
95) Naphthalene	15.145	128	222967	51.993	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	118545	55.832	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021610.D
Acq On : 24 Mar 2025 11:06
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 03/26/2025
Supervised By :Semsettin Yesilyurt 03/26/2025

Quant Time: Mar 25 01:28:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

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

