

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051325\
 Data File : VY022233.D
 Acq On : 13 May 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 05/14/2025
 Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 14 04:32:22 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	241294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	361603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	329391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112102	50.297	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.600%	
35) Dibromofluoromethane	7.634	113	125007	52.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.660%	
50) Toluene-d8	10.103	98	468236	51.990	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.980%	
62) 4-Bromofluorobenzene	12.408	95	161134	53.146	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.300%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	94971	46.191	ug/l	97
3) Chloromethane	2.068	50	147740	50.464	ug/l	97
4) Vinyl Chloride	2.202	62	183201	50.923	ug/l	99
5) Bromomethane	2.592	94	142501	45.975	ug/l	98
6) Chloroethane	2.732	64	123908	50.572	ug/l	98
7) Trichlorofluoromethane	3.056	101	234245	49.377	ug/l	97
8) Diethyl Ether	3.458	74	62388	50.527	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.811	101	130259	50.616	ug/l	100
10) Methyl Iodide	4.000	142	151684	50.908	ug/l	99
11) Tert butyl alcohol	4.878	59	33742	275.763	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	119543	49.836	ug/l	96
13) Acrolein	3.647	56	12309	56.049	ug/l	92
14) Allyl chloride	4.378	41	146922	52.603	ug/l	98
15) Acrylonitrile	5.055	53	121431	268.633	ug/l	100
16) Acetone	3.872	43	95845	335.876	ug/l	95
17) Carbon Disulfide	4.104	76	351937	46.015	ug/l	99
18) Methyl Acetate	4.385	43	61308	58.887	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	290041	54.023	ug/l	100
20) Methylene Chloride	4.610	84	134064	47.570	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	134308	49.995	ug/l	96
22) Diisopropyl ether	6.012	45	346892	55.810	ug/l	96
23) Vinyl Acetate	5.957	43	929508	277.481	ug/l	100
24) 1,1-Dichloroethane	5.909	63	226616	52.599	ug/l	100
25) 2-Butanone	6.896	43	143551	282.557	ug/l	98
26) 2,2-Dichloropropane	6.884	77	206741	54.749	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	155059	51.621	ug/l	96
28) Bromochloromethane	7.244	49	88131	52.664	ug/l	99
29) Tetrahydrofuran	7.262	42	92431	280.124	ug/l	99
30) Chloroform	7.421	83	249765	52.263	ug/l	100
31) Cyclohexane	7.701	56	185044	50.224	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	228497	52.848	ug/l	99
36) 1,1-Dichloropropene	7.835	75	175273	54.620	ug/l	99
37) Ethyl Acetate	6.982	43	64777	56.205	ug/l	98
38) Carbon Tetrachloride	7.811	117	210087	54.788	ug/l	98
39) Methylcyclohexane	9.109	83	219980	54.473	ug/l	94
40) Benzene	8.079	78	540184	53.851	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	38890	61.728	ug/l	97
42) 1,2-Dichloroethane	8.158	62	137188	55.238	ug/l	99
43) Isopropyl Acetate	8.195	43	127574	57.640	ug/l	99
44) Trichloroethene	8.865	130	146473	52.717	ug/l	100
45) 1,2-Dichloropropane	9.140	63	123607	55.720	ug/l	99
46) Dibromomethane	9.231	93	75033	54.033	ug/l	99
47) Bromodichloromethane	9.420	83	192286	55.428	ug/l	97
48) Methyl methacrylate	9.219	41	60848	59.470	ug/l	97
49) 1,4-Dioxane	9.231	88	16552	1118.312	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	349848	301.531	ug/l	99
52) Toluene	10.170	92	361093	55.610	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	167960	56.446	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	197158	55.739	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	104195	56.172	ug/l	97
56) Ethyl methacrylate	10.438	69	125204	59.024	ug/l	97
57) 1,3-Dichloropropane	10.713	76	165324	55.595	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	307603	296.589	ug/l	100
59) 2-Hexanone	10.761	43	237791	310.726	ug/l	98
60) Dibromochloromethane	10.908	129	142218	55.378	ug/l	98
61) 1,2-Dibromoethane	11.011	107	95776	54.693	ug/l	98
64) Tetrachloroethene	10.646	164	157571	50.709	ug/l	99
65) Chlorobenzene	11.438	112	399607	54.250	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	144775	55.828	ug/l	99
67) Ethyl Benzene	11.517	91	680370	56.464	ug/l	100
68) m/p-Xylenes	11.627	106	553353	115.406	ug/l	99
69) o-Xylene	11.956	106	255820	57.887	ug/l	99
70) Styrene	11.969	104	434539	58.562	ug/l	99
71) Bromoform	12.133	173	84458	56.018	ug/l #	99
73) Isopropylbenzene	12.255	105	676548	56.239	ug/l	100
74) N-amyl acetate	12.072	43	117128	56.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	114349	56.379	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	80919m	52.466	ug/l	
77) Bromobenzene	12.529	156	163602	53.820	ug/l	98
78) n-propylbenzene	12.596	91	807482	56.364	ug/l	100
79) 2-Chlorotoluene	12.676	91	463875	55.676	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	558529	56.348	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	35359	55.209	ug/l	96
82) 4-Chlorotoluene	12.779	91	482260	55.682	ug/l	100
83) tert-Butylbenzene	12.999	119	510113	57.383	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	567776	57.268	ug/l	98
85) sec-Butylbenzene	13.176	105	746951	57.421	ug/l	100
86) p-Isopropyltoluene	13.291	119	631593	57.179	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	332707	53.889	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	329686	53.917	ug/l	99
89) n-Butylbenzene	13.615	91	564469	57.172	ug/l	99
90) Hexachloroethane	13.877	117	130358	53.714	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	296202	55.006	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17549	54.385	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	167723	54.965	ug/l	99
94) Hexachlorobutadiene	15.023	225	102686	54.694	ug/l	99
95) Naphthalene	15.145	128	285374	56.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	145849	55.371	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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Abundance

TIC: VY022233.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

2200000
2100000
2000000
1900000
1800000
1700000
1600000
1500000
1400000
1300000
1200000
1100000
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Carbon Disulfide, T
Methyl Acrylate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, I
1,1-Dichloroethane, T
Isopropyl Acetate, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
Dibromodichloromethane, T
1,1,2,2-Tetrachloroethane, I
1,2-Dichloroethane, TM
Isopropyl Acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
Methylcyclohexane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanol, T
Toluene, CM
2-Chloroethyl Vinyl ether, T
Ethyl Hexachloropropene, T
1,1,2-Trichloroethane, T
1,3-Dichloropropane, T
Dibromodichloromethane, T
1,2-Dibromodichloroethane, T
Chlorobenzene, T
Chlorobenzene, PM
Ethyl Benzenesulfonate, T
Styrene, T
o-Xylene, T
Isopropylbenzene, T
n-Propylbenzene, T
1,3,5-Trimethylbenzene, T
2-Chlorotoluene, T
4-Chlorotoluene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,2,4-Trimethylbenzene, T
p-Butylbenzene, T
n-Butylbenzene, T
1,2-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
Naphthalene, T
1,2,3-Trichlorobenzene, T
1,2,4-Trichlorobenzene, T
Hexachlorobenzene, T