

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031325\
 Data File : VY021516.D
 Acq On : 13 Mar 2025 10:31
 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 03/17/2025
 Supervised By :Semsettin Yesilyurt 03/17/2025

Quant Time: Mar 14 14:55:09 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	202933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	311585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	288548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	120990	56.409	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.820%			
35) Dibromofluoromethane	7.634	113	112786	55.069	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.140%			
50) Toluene-d8	10.103	98	413740	53.353	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.700%			
62) 4-Bromofluorobenzene	12.408	95	145891	55.307	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	85194	45.748	ug/l	100
3) Chloromethane	2.068	50	136071	51.827	ug/l	100
4) Vinyl Chloride	2.202	62	157407	54.862	ug/l	96
5) Bromomethane	2.592	94	108959	52.544	ug/l	94
6) Chloroethane	2.732	64	113994	60.121	ug/l	94
7) Trichlorofluoromethane	3.056	101	214511	53.565	ug/l	98
8) Diethyl Ether	3.452	74	60840	54.820	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	113597	49.683	ug/l	99
10) Methyl Iodide	4.001	142	129221	55.598	ug/l	99
11) Tert butyl alcohol	4.860	59	40220	292.213	ug/l	100
12) 1,1-Dichloroethene	3.787	96	102981	49.402	ug/l	99
13) Acrolein	3.647	56	4546	41.669	ug/l	85
14) Allyl chloride	4.378	41	175098	51.977	ug/l	100
15) Acrylonitrile	5.055	53	139154	294.544	ug/l	99
16) Acetone	3.866	43	139726	298.676	ug/l	95
17) Carbon Disulfide	4.104	76	322690	49.395	ug/l	99
18) Methyl Acetate	4.385	43	71740	69.113	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	297681	56.342	ug/l	99
20) Methylene Chloride	4.616	84	122043	49.698	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	119645	51.250	ug/l	95
22) Diisopropyl ether	6.018	45	402866	55.491	ug/l	96
23) Vinyl Acetate	5.957	43	1173804	283.301	ug/l	100
24) 1,1-Dichloroethane	5.915	63	226621	52.889	ug/l	98
25) 2-Butanone	6.890	43	193179	298.515	ug/l	99
26) 2,2-Dichloropropane	6.884	77	195235	49.520	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	142203	53.619	ug/l	99
28) Bromochloromethane	7.244	49	90992	50.653	ug/l	99
29) Tetrahydrofuran	7.262	42	122004	305.386	ug/l	99
30) Chloroform	7.415	83	241406	54.256	ug/l	97
31) Cyclohexane	7.695	56	189607	47.201	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	212181	52.082	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166636	51.978	ug/l	99
37) Ethyl Acetate	6.982	43	86451	61.011	ug/l	97
38) Carbon Tetrachloride	7.817	117	190903	51.777	ug/l	97
39) Methylcyclohexane	9.103	83	198260	50.417	ug/l	99
40) Benzene	8.079	78	504344	53.404	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	46122	59.779	ug/l #	94
42) 1,2-Dichloroethane	8.152	62	149333	56.523	ug/l	100
43) Isopropyl Acetate	8.195	43	162340	59.018	ug/l #	89
44) Trichloroethene	8.859	130	125768	52.701	ug/l	96
45) 1,2-Dichloropropane	9.140	63	124017	55.176	ug/l	98
46) Dibromomethane	9.231	93	72478	57.954	ug/l	99
47) Bromodichloromethane	9.420	83	187512	56.459	ug/l	99
48) Methyl methacrylate	9.219	41	77107	61.046	ug/l	100
49) 1,4-Dioxane	9.225	88	16544	1347.757	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	448790	316.212	ug/l	99
52) Toluene	10.170	92	325439	54.659	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	169032	57.767	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	194644	56.028	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	96699	59.110	ug/l	98
56) Ethyl methacrylate	10.438	69	130188	62.399	ug/l	99
57) 1,3-Dichloropropane	10.719	76	164468	58.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	297839	309.241	ug/l	99
59) 2-Hexanone	10.761	43	307324	327.478	ug/l	100
60) Dibromochloromethane	10.914	129	128876	57.463	ug/l	99
61) 1,2-Dibromoethane	11.011	107	88972	57.625	ug/l	100
64) Tetrachloroethene	10.646	164	136018	57.970	ug/l	99
65) Chlorobenzene	11.438	112	351704	51.615	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	127877	53.082	ug/l	100
67) Ethyl Benzene	11.517	91	621851	51.995	ug/l	99
68) m/p-Xylenes	11.627	106	480269	105.773	ug/l	99
69) o-Xylene	11.956	106	223795	53.479	ug/l	99
70) Styrene	11.969	104	388175	55.915	ug/l	99
71) Bromoform	12.133	173	77304	57.403	ug/l #	99
73) Isopropylbenzene	12.255	105	600464	49.347	ug/l	100
74) N-amyl acetate	12.072	43	149611	56.615	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	109969	51.213	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	83268m	53.494	ug/l	
77) Bromobenzene	12.529	156	142295	49.985	ug/l	100
78) n-propylbenzene	12.597	91	731634	49.509	ug/l	100
79) 2-Chlorotoluene	12.682	91	420644	49.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	497679	50.329	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	35490	51.831	ug/l	96
82) 4-Chlorotoluene	12.779	91	439942	50.279	ug/l	100
83) tert-Butylbenzene	12.999	119	441150	50.008	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	502842	51.215	ug/l	99
85) sec-Butylbenzene	13.176	105	646559	49.261	ug/l	99
86) p-Isopropyltoluene	13.292	119	547718	50.653	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	284184	50.151	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	280265	50.573	ug/l	99
89) n-Butylbenzene	13.615	91	511203	51.198	ug/l	100
90) Hexachloroethane	13.883	117	112606	48.815	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	252105	51.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17547	54.553	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	147054	55.434	ug/l	99
94) Hexachlorobutadiene	15.023	225	86645	52.106	ug/l	99
95) Naphthalene	15.145	128	257694	56.552	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	128067	57.401	ug/l	99

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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

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Abundance

TIC: VY021516.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

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
1,1,2,2-Tetrachloroethane, T
Methyl Chloride, T
Carbon Disulfide, T
Methyl Mercaptan, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methyl Isobutyl Ether, T
1,1-Dichloroethane, P
Vinyl Acetate, T
Disopropyl ether, T
Ethyl Acetate, T
2,2,3,3-Tetrachlorobutane, T
Methacrylonitrile, T
Chloroform, C
1,1-Dichloroethane, T
Dibromodifluoromethane, T
1,1-Dichloroethane, T
1,2-Dichloroethane, T
Isopropyl Acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichlorobenzene, T
Methylcyclohexane, T
Dibromodichloromethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
Methyl 2-Pentanone, T
Toluene, CM
Toluene, S
Ethyl Isobutyl Ether, T
1,2-Trichloroethane, I
1,3-Dichloropropane, T
Hexanone, T
Tetrachloroethene, T
Dibromochloromethane, T
1,2-Dibromochloroethane, T
Chlorobenzene, CM
Chlorobenzene, PM
Ethyl Benzenethiol, T
Ethyl Benzenethiol, T
m/p-Xylenes, T
Styrene, T
Isopropylbenzene, T
Isopropylbenzene, T
n-propylbenzene, T
1,3,5-Trimethylbenzene, T
2-Chlorotoluene, T
1,3,5-Trimethylbenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,2,4-Trimethylbenzene, T
p-Isopropylbenzene, T
1,2-Dichlorobenzene, T
n-Butylbenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2-Dibromo-3-Chloropropane, T
Naphthalene, T
1,2,3-Trichlorobenzene, I
1,2,3-Trichlorobenzene, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, I