

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021826.D
 Acq On : 10 Apr 2025 09:51
 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 04/11/2025
 Supervised By :Semsettin Yesilyurt 04/11/2025

Quant Time: Apr 11 01:48:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	208417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	315600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	147243	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	111113	49.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.420%
35) Dibromofluoromethane	7.640	113	112354	54.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.760%
50) Toluene-d8	10.109	98	436882	56.094	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.180%
62) 4-Bromofluorobenzene	12.408	95	145955	55.404	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	98532	45.613	ug/l	99
3) Chloromethane	2.074	50	150388	49.510	ug/l	97
4) Vinyl Chloride	2.208	62	161932	47.139	ug/l	100
5) Bromomethane	2.605	94	106209	45.332	ug/l	100
6) Chloroethane	2.739	64	107256	47.715	ug/l	99
7) Trichlorofluoromethane	3.062	101	207328	47.115	ug/l	96
8) Diethyl Ether	3.464	74	54477	45.523	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	114300	49.248	ug/l	99
10) Methyl Iodide	4.013	142	154749	60.777	ug/l	99
11) Tert butyl alcohol	4.885	59	26187	178.541	ug/l	100
12) 1,1-Dichloroethene	3.799	96	108689	49.718	ug/l	97
13) Acrolein	3.659	56	17198	64.216	ug/l	98
14) Allyl chloride	4.391	41	173906	49.894	ug/l	99
15) Acrylonitrile	5.068	53	112828	225.807	ug/l	98
16) Acetone	3.873	43	109229	236.349	ug/l	94
17) Carbon Disulfide	4.110	76	342301	47.539	ug/l	98
18) Methyl Acetate	4.391	43	62162	54.271	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	255447	46.934	ug/l	99
20) Methylene Chloride	4.622	84	120325	53.476	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	122021	50.695	ug/l	98
22) Diisopropyl ether	6.025	45	377364	51.611	ug/l	97
23) Vinyl Acetate	5.964	43	977082	228.429	ug/l	99
24) 1,1-Dichloroethane	5.927	63	223759	51.179	ug/l	98
25) 2-Butanone	6.903	43	145621	220.606	ug/l	99
26) 2,2-Dichloropropane	6.890	77	200181	51.473	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	139904	51.686	ug/l	99
28) Bromochloromethane	7.250	49	93389	50.649	ug/l	97
29) Tetrahydrofuran	7.268	42	90343	212.656	ug/l	99
30) Chloroform	7.427	83	232484	51.125	ug/l	97
31) Cyclohexane	7.707	56	184475	46.287	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	208666	50.770	ug/l	100
36) 1,1-Dichloropropene	7.841	75	164638	52.798	ug/l	99
37) Ethyl Acetate	6.988	43	62896	42.738	ug/l	98
38) Carbon Tetrachloride	7.823	117	188128	52.675	ug/l	98
39) Methylcyclohexane	9.116	83	194212	52.136	ug/l	98
40) Benzene	8.085	78	501413	53.693	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	33929	43.413	ug/l #	100
42) 1,2-Dichloroethane	8.165	62	133088	50.553	ug/l	99
43) Isopropyl Acetate	8.201	43	124046	44.479	ug/l	100
44) Trichloroethene	8.872	130	128316	53.929	ug/l	96
45) 1,2-Dichloropropane	9.146	63	119126	53.892	ug/l	99
46) Dibromomethane	9.231	93	64243	50.428	ug/l	97
47) Bromodichloromethane	9.427	83	173801	52.651	ug/l	98
48) Methyl methacrylate	9.225	41	59911	46.806	ug/l	99
49) 1,4-Dioxane	9.238	88	12222	895.567	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	333294	229.648	ug/l	99
52) Toluene	10.176	92	322657	55.379	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	148534	50.659	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	177943	51.443	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	83588	50.986	ug/l	99
56) Ethyl methacrylate	10.445	69	105379	50.340	ug/l	99
57) 1,3-Dichloropropane	10.719	76	144923	51.185	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	262347	256.900	ug/l	99
59) 2-Hexanone	10.762	43	228630	236.540	ug/l	99
60) Dibromochloromethane	10.914	129	116641	52.111	ug/l	98
61) 1,2-Dibromoethane	11.018	107	77155	50.169	ug/l	99
64) Tetrachloroethene	10.652	164	137294	52.948	ug/l	97
65) Chlorobenzene	11.444	112	346329	53.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	123394	53.290	ug/l	98
67) Ethyl Benzene	11.524	91	616627	55.100	ug/l	99
68) m/p-Xylenes	11.633	106	481618	112.386	ug/l	99
69) o-Xylene	11.957	106	221057	55.882	ug/l	100
70) Styrene	11.975	104	371659	56.350	ug/l	100
71) Bromoform	12.133	173	64686	48.974	ug/l #	100
73) Isopropylbenzene	12.261	105	586895	53.665	ug/l	99
74) N-amyl acetate	12.072	43	114664	44.675	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	89104	45.317	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	62332m	42.706	ug/l	
77) Bromobenzene	12.536	156	136533	51.997	ug/l	97
78) n-propylbenzene	12.597	91	721133	54.847	ug/l	99
79) 2-Chlorotoluene	12.682	91	408141	53.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	485142	54.278	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	26773	42.266	ug/l	99
82) 4-Chlorotoluene	12.780	91	422172	53.027	ug/l	99
83) tert-Butylbenzene	12.999	119	435251	54.672	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	488158	55.258	ug/l	99
85) sec-Butylbenzene	13.182	105	630341	54.179	ug/l	99
86) p-Isopropyltoluene	13.298	119	532622	55.390	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	275041	53.165	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	266758	52.190	ug/l	99
89) n-Butylbenzene	13.621	91	489471	55.040	ug/l	100
90) Hexachloroethane	13.883	117	107148	50.848	ug/l	96
91) 1,2-Dichlorobenzene	13.664	146	236343	52.481	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13445	44.118	ug/l	99
93) 1,2,4-Trichlorobenzene	14.926	180	134414	55.039	ug/l	100
94) Hexachlorobutadiene	15.029	225	82343	53.987	ug/l	98
95) Naphthalene	15.151	128	213787	52.813	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	114353	54.910	ug/l	100

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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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TIC: VY021826.D\data.ms

Abundance

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

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

Chemical compounds and retention times (min):

- Dichlorodifluoromethane, T (2.00)
- Chloromethane, P (2.10)
- Vinyl Chloride, C (2.20)
- Bromomethane, T (2.80)
- Chloroethane, T (3.00)
- Trichlorofluoromethane, T (3.20)
- Diethyl Ether, T (3.50)
- Acrolein, T (3.80)
- 1,1,2-Trichloroethane, T (4.00)
- Acetone, T (4.10)
- Methyl iodide, T (4.20)
- Carbon Disulfide, T (4.30)
- Methyl acetate, T (4.50)
- Methylene Chloride, T (4.60)
- Tert butyl alcohol, T (4.80)
- Acrylonitrile, T (5.00)
- Methyl 1,2-Dichloroethane, T (5.20)
- 1,1-Dichloroethane, T (6.00)
- Isopropyl acetate, T (6.20)
- Ethyl Acetate, T (7.00)
- Methacrylonitrile, T (7.20)
- Chloroform, C (7.40)
- 1,1,1-Trichloroethane, T (7.60)
- 1,2-Dichloroethane, T (7.80)
- Isopropyl acetate, T (8.00)
- 1,4-Difluorobenzene, I (8.80)
- Trichloroethene, TM (9.00)
- Methylcyclohexane, T (9.20)
- Bromodichloromethane, T (9.40)
- 2-Chloroethyl Vinyl ether, T (9.60)
- cis-1,3-Dichloropropene, T (9.80)
- 4-Methyl-2-Pentanol, T (10.00)
- 1,2-Dichloroethane, T (10.20)
- Ethyl methyl 3-chloropropene, T (10.40)
- 1,1,2-Trichloroethane, T (10.60)
- 1,3-Dichloropropene, T (10.80)
- 1,2-Dibromoethane, T (11.00)
- 1,2-Dibromodichloromethane, T (11.20)
- Chlorobenzene, T (11.40)
- 1,1,1,2-Tetrachloroethane, T (11.60)
- m/p-Xylenes, T (11.80)
- Styrene, T (12.00)
- Bromochloroacetyl acetate, T (12.20)
- trans-1,4-Dichloro-2-butene, T (12.40)
- 4-Bromofluorobenzene, T (12.60)
- Bromobenzene, T (12.80)
- 1,4-Dichlorobenzene, T (13.00)
- 1,2,4-Trichlorobenzene, T (13.20)
- sec-Butylbenzene, T (13.40)
- 1,2,4-Trimethylbenzene, T (13.60)
- 1,3-Dichlorobenzene, T (13.80)
- n-Butylbenzene, T (14.00)
- Hexachloroethane, T (14.20)
- 1,2-Dichloroethane, T (14.40)
- 1,2-Dibromo-3-Chloropropane, T (14.60)
- 1,2,4-Trichlorobenzene, T (15.00)
- Hexachlorobenzene, T (15.20)
- Naphthalene, T (15.40)
- 1,2,3-Trichlorobenzene, T (15.60)