

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101723\
 Data File : VY015995.D
 Acq On : 17 Oct 2023 09:21
 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 : John Carlone 10/18/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 18 06:03:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	205639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	321495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	302261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	158886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	104116	44.363	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.720%		
35) Dibromofluoromethane	7.728	113	95943	47.403	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.800%		
50) Toluene-d8	10.191	98	399193	52.666	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.340%		
62) 4-Bromofluorobenzene	12.489	95	142100	52.649	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	86220	50.109	ug/l	95
3) Chloromethane	2.119	50	119243	44.306	ug/l	97
4) Vinyl Chloride	2.260	62	117360	53.319	ug/l	99
5) Bromomethane	2.668	94	72887	58.543	ug/l	100
6) Chloroethane	2.808	64	68555	48.194	ug/l	94
7) Trichlorofluoromethane	3.131	101	212351	56.878	ug/l	98
8) Diethyl Ether	3.540	74	63703	45.654	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.900	101	110151	51.887	ug/l	96
10) Methyl Iodide	4.088	142	123931	50.768	ug/l	99
11) Tert butyl alcohol	5.137	59	370411m	272.035	ug/l	
12) 1,1-Dichloroethene	3.875	96	106465	53.237	ug/l	94
13) Acrolein	3.753	56	107351	242.191	ug/l	100
14) Allyl chloride	4.485	41	187997	58.174	ug/l	90
15) Acrylonitrile	5.204	53	339938	276.550	ug/l	99
16) Acetone	4.009	43	465172	341.211	ug/l	93
17) Carbon Disulfide	4.192	76	315970	51.692	ug/l	98
18) Methyl Acetate	4.515	43	279800	59.169	ug/l	93
19) Methyl tert-butyl Ether	5.247	73	283291	42.257	ug/l	97
20) Methylene Chloride	4.723	84	122510	46.803	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	113225	48.437	ug/l	98
22) Diisopropyl ether	6.143	45	316908	47.225	ug/l	98
23) Vinyl Acetate	6.082	43	860362	194.884	ug/l	95
24) 1,1-Dichloroethane	6.027	63	193852	48.551	ug/l	97
25) 2-Butanone	7.027	43	564599	284.553	ug/l	97
26) 2,2-Dichloropropane	6.990	77	142982	43.125	ug/l	97
27) cis-1,2-Dichloroethene	6.997	96	122642	46.660	ug/l	92
28) Bromochloromethane	7.344	49	84481	47.414	ug/l	94
29) Tetrahydrofuran	7.381	42	402904	296.229	ug/l	95
30) Chloroform	7.521	83	197236	47.593	ug/l	96
31) Cyclohexane	7.789	56	179091	47.937	ug/l	90
32) 1,1,1-Trichloroethane	7.710	97	182746	49.582	ug/l	98
36) 1,1-Dichloropropene	7.923	75	159486	52.223	ug/l	99
37) Ethyl Acetate	7.100	43	286123m	60.721	ug/l	
38) Carbon Tetrachloride	7.911	117	165940	51.595	ug/l	99
39) Methylcyclohexane	9.191	83	201340	51.386	ug/l	92
40) Benzene	8.167	78	440766	49.882	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	72712m	46.800	ug/l	
42) 1,2-Dichloroethane	8.246	62	128302	45.252	ug/l	93
43) Isopropyl Acetate	8.289	43	229054	45.247	ug/l #	89
44) Trichloroethene	8.947	130	154795	56.847	ug/l	99
45) 1,2-Dichloropropane	9.228	63	109825	48.709	ug/l	95
46) Dibromomethane	9.313	93	71680	45.228	ug/l	97
47) Bromodichloromethane	9.508	83	153059	47.826	ug/l	97
48) Methyl methacrylate	9.307	41	99688	44.583	ug/l #	84
49) 1,4-Dioxane	9.405	88	52406m	1185.696	ug/l	
51) 4-Methyl-2-Pentanone	10.081	43	900994	241.508	ug/l	89
52) Toluene	10.252	92	287281	50.851	ug/l	97
53) t-1,3-Dichloropropene	10.478	75	171595	47.820	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	177169	45.930	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	112273	49.757	ug/l	97
56) Ethyl methacrylate	10.520	69	177338	50.203	ug/l	86
57) 1,3-Dichloropropane	10.801	76	187201	48.903	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	271387	175.077	ug/l	95
59) 2-Hexanone	10.843	43	1018769	319.908	ug/l	87
60) Dibromochloromethane	10.996	129	128229	49.972	ug/l	98
61) 1,2-Dibromoethane	11.099	107	120874	49.507	ug/l	100
64) Tetrachloroethene	10.728	164	157478	59.766	ug/l	98
65) Chlorobenzene	11.526	112	312346	49.319	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	117674	50.194	ug/l	98
67) Ethyl Benzene	11.599	91	572345	51.685	ug/l	98
68) m/p-Xylenes	11.709	106	439084	102.743	ug/l	95
69) o-Xylene	12.038	106	209446	51.262	ug/l	97
70) Styrene	12.050	104	358337	51.533	ug/l	96
71) Bromoform	12.221	173	101504	50.842	ug/l #	98
73) Isopropylbenzene	12.337	105	554668	49.314	ug/l	99
74) N-amyl acetate	12.154	43	217732	47.916	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.593	83	139888m	40.491	ug/l	
76) 1,2,3-Trichloropropane	12.642	75	148816m	47.860	ug/l	
77) Bromobenzene	12.617	156	134378	47.590	ug/l	90
78) n-propylbenzene	12.678	91	679560	49.684	ug/l	99
79) 2-Chlorotoluene	12.764	91	376793	48.705	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	468375	50.123	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	64282	48.700	ug/l	92
82) 4-Chlorotoluene	12.861	91	392194	49.326	ug/l	99
83) tert-Butylbenzene	13.081	119	404114	49.215	ug/l	99
84) 1,2,4-Trimethylbenzene	13.130	105	466248	49.706	ug/l	98
85) sec-Butylbenzene	13.264	105	610528	50.099	ug/l	100
86) p-Isopropyltoluene	13.380	119	511342	50.213	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	263187	48.536	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	267339	48.822	ug/l	99
89) n-Butylbenzene	13.703	91	474809	49.583	ug/l	97
90) Hexachloroethane	13.971	117	96542	49.463	ug/l	92
91) 1,2-Dichlorobenzene	13.751	146	250129	49.164	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	60421	61.136	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	163085	48.769	ug/l	98
94) Hexachlorobutadiene	15.123	225	81403	47.943	ug/l	98
95) Naphthalene	15.245	128	575057	53.008	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	156989	48.968	ug/l	99

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Quant Title : SW846 8260
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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: VY015995.D\data.ms

Time-->

1800000

1700000

1600000

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

0

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

1,1,2,2-Tetrachloroethane, T

Methoxybenzene, T

Methyl Chloride, T

Methylene Chloride, T

Tert butyl alcohol, T

Methyl Chloroethane, T

1,1-Dichloroethane, T

Diisopropyl ether, T

Ethyl Acetate, T

2,2-Dichloroethane, T

Methoxybenzene, T

Chloroform, C

Dichlorodifluoromethane, T

1,2-Dichloroethane, T

1,4-Difluorobenzene, T

Trichloroethene, TM

1,2-Dichloroethane, T

1,4-Dioxane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

2-Hexanone, T

2,4-Dibromodifluoromethane, T

1,2-Dibromodifluoromethane, T

Chlorobenzene, T

Ethyl Benzoate, T

Isopropylbenzene, T

Bromobenzene, T

n-propylbenzene, T

1,3,5-Trimethylbenzene, T

2-Chlorobenzene, T

tert-Butylbenzene, T

1,2,4-Trimethylbenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, T

n-Butylbenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T