

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052423\
 Data File : VX035829.D
 Acq On : 24 May 2023 12:27
 Operator : JC/MD
 Sample : VX0524WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 25 05:28:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	199572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	334199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	296113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	147481	42.360	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 84.720%			
35) Dibromofluoromethane	5.379	113	114904	50.982	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.960%			
50) Toluene-d8	8.646	98	418975	50.320	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.079	95	156656	46.728	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.460%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	48237	18.546	ug/l	95
3) Chloromethane	1.294	50	50000	15.841	ug/l	97
4) Vinyl Chloride	1.373	62	51694	19.298	ug/l	94
5) Bromomethane	1.617	94	31087	21.428	ug/l	99
6) Chloroethane	1.690	64	30332	18.665	ug/l	98
7) Trichlorofluoromethane	1.892	101	82676	20.991	ug/l	99
8) Diethyl Ether	2.129	74	29699	19.584	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	49022	20.963	ug/l	98
10) Methyl Iodide	2.452	142	47540	22.731	ug/l	97
11) Tert butyl alcohol	3.080	59	49252m	80.183	ug/l	
12) 1,1-Dichloroethene	2.318	96	44927	20.215	ug/l	96
13) Acrolein	2.245	56	77457	106.246	ug/l	99
14) Allyl chloride	2.666	41	83948	17.631	ug/l	97
15) Acrylonitrile	3.074	53	132102	97.666	ug/l	98
16) Acetone	2.404	43	116636	77.945	ug/l	99
17) Carbon Disulfide	2.513	76	93760	17.480	ug/l	97
18) Methyl Acetate	2.709	43	109427	19.829	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	163812	18.522	ug/l	99
20) Methylene Chloride	2.788	84	54641	20.148	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	48531	19.928	ug/l	97
22) Diisopropyl ether	3.757	45	178353	19.132	ug/l	100
23) Vinyl Acetate	3.721	43	610635	92.573	ug/l	98
24) 1,1-Dichloroethane	3.611	63	94629	18.980	ug/l	98
25) 2-Butanone	4.568	43	190675	92.049	ug/l	100
26) 2,2-Dichloropropane	4.470	77	75278	17.830	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	58732	20.062	ug/l	99
28) Bromochloromethane	4.897	49	41098	18.326	ug/l	99
29) Tetrahydrofuran	5.019	42	122341	93.965	ug/l	97
30) Chloroform	5.092	83	96410	18.871	ug/l	98
31) Cyclohexane	5.470	56	82759	18.814	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	79136	17.802	ug/l	99
36) 1,1-Dichloropropene	5.690	75	70501	19.817	ug/l	99
37) Ethyl Acetate	4.714	43	72594	19.564	ug/l	99
38) Carbon Tetrachloride	5.671	117	64590	19.166	ug/l	98
39) Methylcyclohexane	7.378	83	88546	21.144	ug/l	98
40) Benzene	6.037	78	210926	21.194	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	41919	19.027	ug/l	97
42) 1,2-Dichloroethane	6.086	62	79334	18.531	ug/l	99
43) Isopropyl Acetate	6.336	43	124175	19.191	ug/l	99
44) Trichloroethene	7.122	130	53210	21.085	ug/l	100
45) 1,2-Dichloropropane	7.427	63	56050	21.264	ug/l	98
46) Dibromomethane	7.580	93	37079	20.551	ug/l	97
47) Bromodichloromethane	7.817	83	67470	19.347	ug/l	97
48) Methyl methacrylate	7.689	41	58468	18.310	ug/l	99
49) 1,4-Dioxane	7.750	88	23255	339.916	ug/l #	79
51) 4-Methyl-2-Pentanone	8.573	43	372455	99.914	ug/l	99
52) Toluene	8.720	92	130369	20.752	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	72438	19.119	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	81931	20.183	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	52022	21.083	ug/l	98
56) Ethyl methacrylate	9.116	69	78795	19.719	ug/l	99
57) 1,3-Dichloropropane	9.305	76	92131	20.597	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	185020	91.019	ug/l	100
59) 2-Hexanone	9.433	43	283445	100.965	ug/l	99
60) Dibromochloromethane	9.518	129	47695	20.278	ug/l	100
61) 1,2-Dibromoethane	9.610	107	53918	20.740	ug/l	100
64) Tetrachloroethene	9.274	164	44412	22.278	ug/l	97
65) Chlorobenzene	10.079	112	139341	21.557	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	46865	20.505	ug/l	97
67) Ethyl Benzene	10.195	91	256535	21.102	ug/l	99
68) m/p-Xylenes	10.299	106	195021	43.400	ug/l	99
69) o-Xylene	10.640	106	95957	21.520	ug/l	99
70) Styrene	10.652	104	154061	21.438	ug/l	99
71) Bromoform	10.799	173	28742	19.113	ug/l #	99
73) Isopropylbenzene	10.963	105	249589	20.405	ug/l	100
74) N-amyl acetate	10.841	43	103295	18.112	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	79411	20.013	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	64356m	18.125	ug/l	
77) Bromobenzene	11.195	156	58121	20.935	ug/l	98
78) n-propylbenzene	11.305	91	301290	20.954	ug/l	99
79) 2-Chlorotoluene	11.366	91	176734	19.632	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	214511	20.634	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	18365	16.670	ug/l	89
82) 4-Chlorotoluene	11.451	91	203207	19.600	ug/l	99
83) tert-Butylbenzene	11.713	119	205677	20.353	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	212745	20.380	ug/l	100
85) sec-Butylbenzene	11.890	105	269183	21.215	ug/l	99
86) p-Isopropyltoluene	12.006	119	222373	21.318	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	113073	21.439	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	113262	21.267	ug/l	98
89) n-Butylbenzene	12.329	91	200713	21.152	ug/l	98
90) Hexachloroethane	12.536	117	30948	19.574	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	110277	21.352	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	13644	15.442	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	68686	22.087	ug/l	99
94) Hexachlorobutadiene	13.725	225	27369	22.173	ug/l	97
95) Naphthalene	13.774	128	220279	20.684	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	67572	22.094	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

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

Manual Integrations

Reviewed By :John Carlone 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

Abundance

TIC: VX035829.D\data.ms

Time-->

1100000

1050000

1000000

950000

900000

850000

800000

750000

700000

650000

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

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

Chlorobenzene, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acetone, T

1,1,1-Trichloroethane, T

Methoxybenzene, T

Methyl Chloride, T

Aromatics, T

1,1-Dichloroethane, T

Disopropyl Ether, T

Vinyl Acetate, T

2-Butanone, T

Ethyl Acetate, T

Carbon Tetrachloride, T

Cyclohexane, T

1,2-Dichloroethane, T

1,2-Dichloropropane, T

Isopropyl Acetate, T

1,4-Difluorobenzene, I

Trichloroethene, TM

1,2-Dichlorobenzene, T

Dibromomethane, T

1,4-Dioxane, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, CM

2-Hexanone, T

2-Chloroethyl Vinyl ether, T

1,1,1,2-Tetrachloroethane, T

Chlorobenzene, PM

Ethyl Benzene, C

Chlorobenzene, d5, I

m/p-Xylenes, T

Bromofluorobenzene, T

N-ethyl acetate, T

trans-1,4-Dichloro-2-butene, T

1,2,3-Trichlorobenzene, T

2-Chlorotoluene, T

n-propylbenzene, T

1,2,3-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

sec-Butylbenzene, T

1,3-Dichlorobenzene, T

1,4-Dichlorobenzene, T

n-Butylbenzene, T

1,2,3-Trichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

Hexachlorobutadiene, T

1,2,4-Trichlorobenzene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T