

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076770.D
 Acq On : 22 Feb 2023 14:53
 Operator : JC\MD
 Sample : VN0222WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0222WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 23:57:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	259612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	468765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	437538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	213592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	197951	55.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.440%			
35) Dibromofluoromethane	8.172	113	148744	48.453	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.900%			
50) Toluene-d8	10.566	98	589822	51.448	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.848	95	195807	51.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	53234	19.311	ug/l	98
3) Chloromethane	2.378	50	66100	18.379	ug/l	93
4) Vinyl Chloride	2.531	62	66615	18.820	ug/l	98
5) Bromomethane	2.966	94	47658	22.221	ug/l	98
6) Chloroethane	3.137	64	49970	22.338	ug/l	99
7) Trichlorofluoromethane	3.507	101	88032	18.279	ug/l	94
8) Diethyl Ether	3.978	74	36493	19.664	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.378	101	55939	19.767	ug/l	98
10) Methyl Iodide	4.601	142	69432	19.868	ug/l	98
11) Tert butyl alcohol	5.525	59	50006	105.678	ug/l #	87
12) 1,1-Dichloroethene	4.349	96	49680	18.540	ug/l	91
13) Acrolein	4.190	56	64379	90.623	ug/l	96
14) Allyl chloride	5.043	41	91558	19.719	ug/l	98
15) Acrylonitrile	5.725	53	176721	105.234	ug/l	99
16) Acetone	4.437	43	158119	98.743	ug/l	93
17) Carbon Disulfide	4.731	76	121993	17.243	ug/l	98
18) Methyl Acetate	5.043	43	109104	20.873	ug/l	99
19) Methyl tert-butyl Ether	5.813	73	191607	21.209	ug/l	91
20) Methylene Chloride	5.284	84	68388	20.377	ug/l	96
21) trans-1,2-Dichloroethene	5.801	96	54527	18.077	ug/l #	77
22) Diisopropyl ether	6.678	45	236562	21.722	ug/l	93
23) Vinyl Acetate	6.613	43	741850m	115.134	ug/l	
24) 1,1-Dichloroethane	6.578	63	118996	19.938	ug/l	95
25) 2-Butanone	7.489	43	243292	103.000	ug/l	99
26) 2,2-Dichloropropane	7.501	77	85627	19.890	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	69563	19.443	ug/l	96
28) Bromochloromethane	7.819	49	65048	22.899	ug/l	87
29) Tetrahydrofuran	7.848	42	169660	109.937	ug/l	97
30) Chloroform	7.972	83	123961	20.788	ug/l	96
31) Cyclohexane	8.266	56	108820	19.351	ug/l	92
32) 1,1,1-Trichloroethane	8.172	97	94811	18.910	ug/l #	92
36) 1,1-Dichloropropene	8.378	75	84612	19.076	ug/l	98
37) Ethyl Acetate	7.566	43	101322	21.712	ug/l #	97
38) Carbon Tetrachloride	8.372	117	80806	18.060	ug/l	99
39) Methylcyclohexane	9.601	83	95974	19.036	ug/l	95
40) Benzene	8.613	78	270068	19.827	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	56710	20.977	ug/l	96
42) 1,2-Dichloroethane	8.672	62	98604	20.756	ug/l	100
43) Isopropyl Acetate	8.695	43	166630	21.943	ug/l	97
44) Trichloroethene	9.360	130	60702	18.859	ug/l	95
45) 1,2-Dichloropropane	9.625	63	74413	20.638	ug/l	94
46) Dibromomethane	9.713	93	47946	20.800	ug/l	94
47) Bromodichloromethane	9.895	83	94134	20.368	ug/l	97
48) Methyl methacrylate	9.678	41	77391	21.477	ug/l	96
49) 1,4-Dioxane	9.695	88	27257	437.284	ug/l	95
51) 4-Methyl-2-Pentanone	10.448	43	541056	111.985	ug/l	97
52) Toluene	10.630	92	172477	20.974	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	96224	21.571	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	107045	20.804	ug/l	96
55) 1,1,2-Trichloroethane	11.019	97	67504	20.187	ug/l #	89
56) Ethyl methacrylate	10.878	69	100387	21.328	ug/l	95
57) 1,3-Dichloropropane	11.166	76	119286	20.763	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	209521	97.197	ug/l	98
59) 2-Hexanone	11.195	43	383610	110.116	ug/l	99
60) Dibromochloromethane	11.360	129	69301	19.664	ug/l	99
61) 1,2-Dibromoethane	11.472	107	67022	20.024	ug/l	95
64) Tetrachloroethene	11.107	164	48424	17.562	ug/l	93
65) Chlorobenzene	11.889	112	180684	19.486	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.960	131	66819	19.839	ug/l	98
67) Ethyl Benzene	11.966	91	321267	20.337	ug/l	98
68) m/p-Xylenes	12.072	106	246899	40.547	ug/l	95
69) o-Xylene	12.401	106	119447	20.113	ug/l	98
70) Styrene	12.413	104	198907	20.712	ug/l	97
71) Bromoform	12.583	173	46528	18.833	ug/l #	97
73) Isopropylbenzene	12.695	105	309491	19.769	ug/l	99
74) N-amyl acetate	12.495	43	143650	20.357	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.936	83	109961	19.404	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	91016m	21.077	ug/l	
77) Bromobenzene	12.983	156	71155	18.217	ug/l	92
78) n-propylbenzene	13.036	91	375015	20.399	ug/l	97
79) 2-Chlorotoluene	13.130	91	226568	20.128	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	265692	20.535	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	27173m	18.328	ug/l	
82) 4-Chlorotoluene	13.130	91	226568	20.128	ug/l	93
83) tert-Butylbenzene	13.442	119	230732	19.713	ug/l	96
84) 1,2,4-Trimethylbenzene	13.483	105	271307	21.040	ug/l	100
85) sec-Butylbenzene	13.618	105	335620	20.538	ug/l	97
86) p-Isopropyltoluene	13.736	119	273475	20.958	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	142327	19.276	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	146515	19.927	ug/l	96
89) n-Butylbenzene	14.060	91	229527	20.224	ug/l	98
90) Hexachloroethane	14.336	117	51663	18.909	ug/l	90
91) 1,2-Dichlorobenzene	14.107	146	145129	19.173	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	19815	18.048	ug/l	87
93) 1,2,4-Trichlorobenzene	15.395	180	67428	17.858	ug/l	99
94) Hexachlorobutadiene	15.507	225	32923	17.791	ug/l	96
95) Naphthalene	15.642	128	217428	18.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	69280	18.939	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

Reviewed By :John Carlone 02/23/2023
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Abundance

TIC: VN076770.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

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

1,1-Dichloroethane, T

Acetone, P

Methyl iodide, T

Carbon Disulfide, T

Methyl acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methoxybenzene, T

1,1-Dichloroethane, P

Vinyl Acetate, T

Diisopropyl ether, T

Ethyl Acetate, T

2,2-Dichloropentafluoroethane, T

Methacrylonitrile, T

Chloroform, C

Cyclohexane, T

1,1,1-Trichloroethane, T

1,2-Dichloroethane, T

1,2-Dichloropropane, T

1,4-Difluorobenzene, I

Trichloroethene, TM

Dimethylsiloxane, T

1,2-Dichlorobenzene, T

Bromodichloromethane, T

dis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanol, T

Toluene, CM

1,3-Dichlorobenzene, T

1,2-Dichlorobenzene, T

1,2-Dibromochloromethane, T

1,2-Dibromobenzene, T

Chlorobenzene, PM

1,1,1,2-Tetrachloroethane, T

Chlorobenzene, T

m,p-Xylenes, T

N-amyl acetate, T

Bromoform, P

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

Isopropylbenzene, T

4-Bromofluorobenzene, S

1,1,2,2-Tetrachloroethane, P

1,2,3-Trichlorobenzene, T

1,3,5-Trimethylbenzene, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,2,4-Trimethylbenzene, T

1,4-Dichlorobenzene, 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