

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075139.D
 Acq On : 03 Nov 2022 13:01
 Operator : JC\MD
 Sample : VN1103WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1103WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/04/2022
 Supervised By : Mahesh Dadoda 11/04/2022

Quant Time: Nov 04 04:09:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	91817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	174843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	160715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	75350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	71715	57.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.940%			
35) Dibromofluoromethane	8.177	113	57611	56.128	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.260%			
50) Toluene-d8	10.571	98	220553	55.384	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.760%			
62) 4-Bromofluorobenzene	12.853	95	77378	55.314	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	22912	19.182	ug/l	99
3) Chloromethane	2.371	50	26444	20.843	ug/l	99
4) Vinyl Chloride	2.524	62	35539	19.636	ug/l	92
5) Bromomethane	2.942	94	30146	20.390	ug/l	99
6) Chloroethane	3.112	64	27205	20.962	ug/l	98
7) Trichlorofluoromethane	3.501	101	38151	20.634	ug/l	94
8) Diethyl Ether	3.977	74	13048	19.348	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	21731	21.283	ug/l	99
10) Methyl Iodide	4.595	142	29798	19.603	ug/l	99
11) Tert butyl alcohol	5.542	59	29813	103.337	ug/l	98
12) 1,1-Dichloroethene	4.353	96	19238	19.766	ug/l	93
13) Acrolein	4.189	56	22065	93.504	ug/l	100
14) Allyl chloride	5.030	41	29381	20.669	ug/l	98
15) Acrylonitrile	5.736	53	67685	111.061	ug/l	98
16) Acetone	4.442	43	60888	116.236	ug/l	95
17) Carbon Disulfide	4.724	76	45182	18.460	ug/l	99
18) Methyl Acetate	5.042	43	39910	23.325	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	73697	20.373	ug/l	99
20) Methylene Chloride	5.289	84	24393	20.885	ug/l	92
21) trans-1,2-Dichloroethene	5.795	96	21221	19.914	ug/l	94
22) Diisopropyl ether	6.683	45	65406	20.850	ug/l	95
23) Vinyl Acetate	6.618	43	263628m	100.639	ug/l	
24) 1,1-Dichloroethane	6.577	63	41052	20.692	ug/l	98
25) 2-Butanone	7.489	43	92091	111.770	ug/l	96
26) 2,2-Dichloropropane	7.500	77	36880	20.206	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	25241	19.834	ug/l	98
28) Bromochloromethane	7.818	49	18115	21.660	ug/l	98
29) Tetrahydrofuran	7.847	42	59112	111.026	ug/l	97
30) Chloroform	7.977	83	45664	21.199	ug/l	97
31) Cyclohexane	8.259	56	36275	19.715	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	41100	21.011	ug/l	98
36) 1,1-Dichloropropene	8.377	75	31737	19.972	ug/l	96
37) Ethyl Acetate	7.571	43	35249	20.227	ug/l	99
38) Carbon Tetrachloride	8.365	117	34751	19.881	ug/l	91
39) Methylcyclohexane	9.600	83	37924	18.078	ug/l	98
40) Benzene	8.612	78	97631	20.066	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	17204	20.605	ug/l	95
42) 1,2-Dichloroethane	8.671	62	35516	20.064	ug/l	99
43) Isopropyl Acetate	8.694	43	54791	20.269	ug/l	100
44) Trichloroethene	9.359	130	24826	20.338	ug/l	91
45) 1,2-Dichloropropane	9.624	63	24571	21.220	ug/l	95
46) Dibromomethane	9.712	93	18594	20.612	ug/l	94
47) Bromodichloromethane	9.894	83	35085	20.084	ug/l	99
48) Methyl methacrylate	9.688	41	25306	20.408	ug/l	97
49) 1,4-Dioxane	9.700	88	13794	424.818	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	184893	105.994	ug/l	99
52) Toluene	10.635	92	65100	20.016	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	36682	19.894	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	38381	19.625	ug/l	94
55) 1,1,2-Trichloroethane	11.024	97	25942	20.116	ug/l	96
56) Ethyl methacrylate	10.877	69	37268	18.945	ug/l	96
57) 1,3-Dichloropropane	11.165	76	44580	20.758	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	70540	92.755	ug/l	99
59) 2-Hexanone	11.200	43	140803	106.354	ug/l	99
60) Dibromochloromethane	11.365	129	27183	19.979	ug/l	98
61) 1,2-Dibromoethane	11.471	107	26604	20.130	ug/l	100
64) Tetrachloroethene	11.106	164	21829	22.154	ug/l	97
65) Chlorobenzene	11.894	112	67509	19.679	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	25195	19.798	ug/l	98
67) Ethyl Benzene	11.965	91	124486	20.170	ug/l	99
68) m/p-Xylenes	12.071	106	96923	39.137	ug/l	99
69) o-Xylene	12.400	106	49230	20.101	ug/l	95
70) Styrene	12.412	104	76264	19.529	ug/l	98
71) Bromoform	12.582	173	18373	19.284	ug/l #	97
73) Isopropylbenzene	12.700	105	122591	20.266	ug/l	98
74) N-amyl acetate	12.494	43	45524	20.348	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	41170	21.408	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	33186m	20.743	ug/l	
77) Bromobenzene	12.982	156	27710	20.804	ug/l	98
78) n-propylbenzene	13.035	91	141898	20.893	ug/l	100
79) 2-Chlorotoluene	13.129	91	86062	20.737	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	107247	21.108	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	11426	18.333	ug/l	95
82) 4-Chlorotoluene	13.129	91	86062	20.737	ug/l	99
83) tert-Butylbenzene	13.441	119	92733	20.540	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	107292	20.871	ug/l	98
85) sec-Butylbenzene	13.618	105	132214	20.934	ug/l	97
86) p-Isopropyltoluene	13.729	119	106818	20.479	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	52484	20.125	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	52767	20.444	ug/l	99
89) n-Butylbenzene	14.059	91	87190	20.758	ug/l	97
90) Hexachloroethane	14.335	117	18401	19.241	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	52835	20.379	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8742	21.425	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	21997	19.716	ug/l	95
94) Hexachlorobutadiene	15.506	225	11424	21.004	ug/l	93
95) Naphthalene	15.641	128	80546	18.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	21022	18.964	ug/l	96

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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: VN075139.D\data.ms

Time-->

380000

360000

340000

320000

300000

280000

260000

240000

220000

200000

180000

160000

140000

120000

100000

80000

60000

40000

20000

0

0.00

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, T

Methyl Iodide, T

Carbon Disulfide, T

Allyl methyl ether, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

1,1-Dichloroethane, P

Disopropyl ether, T

Vinyl Acetate, T

Ethyl Acetate, T

Methacrylonitrile, T

Chloromethane, T

Chloroform, C

Cyclohexane, T

1,2-Dichloroethane, T

1,2-Dichloroethane, P

Benzene, T

1,4-Difluorobenzene, I

Trichloroethene, TM

1,2-Dichloroethane, T

2-Bromochloroethane, T

2-Chloropropene, T

1,3-Dichloropropane, T

1,1,2-Trichloroethane, T

1,1,2,2-Tetrachloroethane, T

1,2-Dichloroethane, T

1,2-Dibromochloroethane, T

1,2-Dibromochloroethane, T

Chlorobenzene, PM

Ethyl Benzene, T

Chlorobenzene, d5, I

1,4-Xylenes, T

9-Xylenes, T

Isopropylbenzene, T

4-Bromofluorobenzene, S

1,2,3-Trichlorobenzene, T

1,3,5-Trimethylbenzene, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, T

1,2-Dichlorobenzene, T

1,2-Dibromo-3-Chloropropane, T

Hexachloroethane, T

1,2-Dichlorobenzene, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T