

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076632.D
 Acq On : 13 Feb 2023 16:56
 Operator : JC\MD
 Sample : VN0213WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBS01

Quant Time: Feb 14 05:23:29 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

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	348212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	626470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	573981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	275237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	248886	51.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.520%			
35) Dibromofluoromethane	8.178	113	203651	49.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.280%			
50) Toluene-d8	10.572	98	792074	51.697	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.400%			
62) 4-Bromofluorobenzene	12.854	95	266882	52.592	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.180%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	77853	21.056	ug/l	91
3) Chloromethane	2.378	50	88581	18.363	ug/l	98
4) Vinyl Chloride	2.525	62	92567	19.497	ug/l	95
5) Bromomethane	2.960	94	62323	21.665	ug/l	91
6) Chloroethane	3.131	64	60755	20.249	ug/l	100
7) Trichlorofluoromethane	3.513	101	121464	18.803	ug/l	96
8) Diethyl Ether	3.978	74	49022	19.694	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	73487	19.361	ug/l	99
10) Methyl Iodide	4.607	142	84568	18.042	ug/l	91
11) Tert butyl alcohol	5.531	59	61132	96.319	ug/l #	84
12) 1,1-Dichloroethene	4.348	96	68370	19.022	ug/l	91
13) Acrolein	4.196	56	92639	97.223	ug/l	98
14) Allyl chloride	5.037	41	118604	19.045	ug/l	98
15) Acrylonitrile	5.731	53	216368	96.060	ug/l	98
16) Acetone	4.443	43	178473	83.095	ug/l	93
17) Carbon Disulfide	4.725	76	181942	19.173	ug/l	100
18) Methyl Acetate	5.037	43	142881	20.380	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	245683	20.275	ug/l	93
20) Methylene Chloride	5.290	84	84390	18.747	ug/l	98
21) trans-1,2-Dichloroethene	5.795	96	77686	19.201	ug/l #	87
22) Diisopropyl ether	6.684	45	298491	20.435	ug/l	95
23) Vinyl Acetate	6.613	43	947779	109.667	ug/l	99
24) 1,1-Dichloroethane	6.572	63	152045	18.993	ug/l	93
25) 2-Butanone	7.489	43	299547	94.549	ug/l	97
26) 2,2-Dichloropropane	7.501	77	111932	19.385	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	87911	18.320	ug/l	95
28) Bromochloromethane	7.819	49	64272	16.869	ug/l	95
29) Tetrahydrofuran	7.842	42	204163	98.633	ug/l	99
30) Chloroform	7.972	83	152684	19.089	ug/l	95
31) Cyclohexane	8.266	56	148061	19.630	ug/l	92
32) 1,1,1-Trichloroethane	8.178	97	130083	19.343	ug/l	96
36) 1,1-Dichloropropene	8.378	75	111817	18.864	ug/l	99
37) Ethyl Acetate	7.572	43	125384	20.104	ug/l	99
38) Carbon Tetrachloride	8.366	117	112033	18.736	ug/l	93
39) Methylcyclohexane	9.607	83	137055	20.341	ug/l	95
40) Benzene	8.613	78	348314	19.135	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	69859	19.335	ug/l	98
42) 1,2-Dichloroethane	8.678	62	119336	18.797	ug/l	99
43) Isopropyl Acetate	8.695	43	200862	19.792	ug/l	99
44) Trichloroethene	9.360	130	81748	19.004	ug/l	98
45) 1,2-Dichloropropane	9.625	63	95308	19.779	ug/l	94
46) Dibromomethane	9.713	93	59217	19.222	ug/l	100
47) Bromodichloromethane	9.889	83	119216	19.302	ug/l #	91
48) Methyl methacrylate	9.683	41	94074	19.535	ug/l	99
49) 1,4-Dioxane	9.695	88	33890	406.829	ug/l #	83
51) 4-Methyl-2-Pentanone	10.448	43	638697	98.916	ug/l	100
52) Toluene	10.636	92	219157	19.941	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	120990	20.295	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	138831	20.189	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	84449	18.897	ug/l	95
56) Ethyl methacrylate	10.877	69	127146	20.213	ug/l	98
57) 1,3-Dichloropropane	11.166	76	148809	19.382	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	295701	102.644	ug/l	98
59) 2-Hexanone	11.195	43	456286	98.006	ug/l	99
60) Dibromochloromethane	11.366	129	89808	19.068	ug/l	99
61) 1,2-Dibromoethane	11.472	107	86144	19.258	ug/l	98
64) Tetrachloroethene	11.107	164	67332	18.614	ug/l	97
65) Chlorobenzene	11.895	112	231717	19.049	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	86219	19.514	ug/l	99
67) Ethyl Benzene	11.966	91	416412	20.093	ug/l	93
68) m/p-Xylenes	12.077	106	322227	40.338	ug/l	97
69) o-Xylene	12.401	106	158001	20.281	ug/l	98
70) Styrene	12.413	104	258741	20.538	ug/l	100
71) Bromoform	12.583	173	61530	18.985	ug/l #	93
73) Isopropylbenzene	12.701	105	409557	20.301	ug/l	98
74) N-amyl acetate	12.501	43	182063	20.022	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.942	83	133303	18.255	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	113382m	20.376	ug/l	
77) Bromobenzene	12.983	156	97427	19.357	ug/l	98
78) n-propylbenzene	13.036	91	481560	20.328	ug/l	100
79) 2-Chlorotoluene	13.130	91	291274	20.081	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	352736	21.157	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	36192	18.944	ug/l	94
82) 4-Chlorotoluene	13.130	91	291274	20.081	ug/l	97
83) tert-Butylbenzene	13.442	119	313694	20.798	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	344540	20.735	ug/l	97
85) sec-Butylbenzene	13.618	105	429843	20.413	ug/l	99
86) p-Isopropyltoluene	13.730	119	355051	21.115	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	182126	19.142	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	182638	19.276	ug/l	98
89) n-Butylbenzene	14.060	91	298662	20.422	ug/l	99
90) Hexachloroethane	14.336	117	62885	17.861	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	186899	19.161	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	23740	16.780	ug/l	96
93) 1,2,4-Trichlorobenzene	15.395	180	95710	19.671	ug/l	98
94) Hexachlorobutadiene	15.507	225	45432	19.051	ug/l	99
95) Naphthalene	15.648	128	309743	20.978	ug/l	98
96) 1,2,3-Trichlorobenzene	15.842	180	93878	19.915	ug/l	99

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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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Abundance

TIC: VN076632.D\data.ms

Time-->

1350000

1300000

1250000

1200000

1150000

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

1,2-Dichloroethane, C

Acetone, T

Methyl Iodide, T

Carbon Disulfide, T

Methyl Acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

trans-1,2-Dichloroethene, T

1,1-Dichloroethane, P

Disopropyl ether, T

Vinyl Acetate, T

Ethyl Acetate, T

Methacrylonitrile, T

Chloroform, C

Chloroethane, T

Cyclohexane, T

1,2-Dichloroethane, TM

1,2-Dichloroethane, d4 S

1,4-Difluorobenzene, I

Trichloroethene, TM

Dibromodifluoroethane, T

Bromodichloromethane, T

2,2-Dichloropropane, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, d5

2-Hexanone, T

2-Chlorobenzene, I

Chlorobenzene, PM

Ethyl Benzoate, T

Chlorobenzene, d5, I

m,p-Xylenes, I

Styrene, T

N-amyl acetate, T

Bromolorm, P

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

Isopropylbenzene, T

4-Bromofluorobenzene, S

1,1,2,2-Tetrachloroethane, B

1,2,3-Trichlorobenzene, T

2-Chlorotoluene, I

1,3,5-Trimethylbenzene, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, I

Naphthalene, T

1,2,3-Trichlorobenzene, T