

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030623\
 Data File : VN076858.D
 Acq On : 06 Mar 2023 19:39
 Operator : JC\MD
 Sample : VSTDICC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC075

Quant Time: Mar 07 01:54:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 01:38:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/07/2023
 Supervised By : Semsettin Yesilyurt 03/07/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	564900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	978885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	876128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	402608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	579852	73.213	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 146.420%#			
35) Dibromofluoromethane	8.172	113	454003	74.139	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 148.280%#			
50) Toluene-d8	10.572	98	1802647	76.407	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 152.820%#			
62) 4-Bromofluorobenzene	12.854	95	658417	80.538	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 161.080%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	489884	74.527	ug/l	99
3) Chloromethane	2.378	50	607390	70.255	ug/l	95
4) Vinyl Chloride	2.525	62	583606	73.646	ug/l	98
5) Bromomethane	2.943	94	335054	64.346	ug/l	93
6) Chloroethane	3.119	64	349707	75.672	ug/l	98
7) Trichlorofluoromethane	3.507	101	884275	76.479	ug/l	96
8) Diethyl Ether	3.972	74	355884	80.015	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.384	101	503868	74.532	ug/l	99
10) Methyl Iodide	4.607	142	648793	92.013	ug/l	98
11) Tert butyl alcohol	5.537	59	451180	383.624	ug/l	98
12) 1,1-Dichloroethene	4.354	96	489674	77.677	ug/l	87
13) Acrolein	4.190	56	586356	385.389	ug/l	99
14) Allyl chloride	5.037	41	818348	77.756	ug/l #	79
15) Acrylonitrile	5.731	53	1457167	385.258	ug/l	99
16) Acetone	4.437	43	1205482	348.692	ug/l	94
17) Carbon Disulfide	4.725	76	1334018	77.949	ug/l	98
18) Methyl Acetate	5.031	43	915796	77.307	ug/l #	85
19) Methyl tert-butyl Ether	5.807	73	1715420	79.355	ug/l	96
20) Methylene Chloride	5.290	84	567286	70.331	ug/l #	81
21) trans-1,2-Dichloroethene	5.801	96	519048	76.151	ug/l #	83
22) Diisopropyl ether	6.684	45	1854491	78.321	ug/l #	93
23) Vinyl Acetate	6.613	43	6074169	402.738	ug/l #	91
24) 1,1-Dichloroethane	6.578	63	1035118	76.663	ug/l	98
25) 2-Butanone	7.490	43	1931010	382.369	ug/l #	85
26) 2,2-Dichloropropane	7.501	77	772748	78.150	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	607883	76.130	ug/l	87
28) Bromochloromethane	7.819	49	418456	73.289	ug/l #	75
29) Tetrahydrofuran	7.842	42	1284247	394.203	ug/l #	77
30) Chloroform	7.972	83	1004756	74.924	ug/l	100
31) Cyclohexane	8.266	56	959097	71.685	ug/l #	83
32) 1,1,1-Trichloroethane	8.178	97	889198	76.570	ug/l	97
36) 1,1-Dichloropropene	8.378	75	780063	79.257	ug/l	96
37) Ethyl Acetate	7.566	43	759976	75.227	ug/l #	93
38) Carbon Tetrachloride	8.366	117	759683	75.980	ug/l	99
39) Methylcyclohexane	9.607	83	1003191	82.693	ug/l #	86
40) Benzene	8.613	78	2340189	78.055	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	449007	81.389	ug/l #	83
42) 1,2-Dichloroethane	8.678	62	788159	75.465	ug/l	96
43) Isopropyl Acetate	8.695	43	1265120	81.801	ug/l #	90
44) Trichloroethene	9.354	130	565293	79.522	ug/l	98
45) 1,2-Dichloropropane	9.625	63	604407	78.011	ug/l	96
46) Dibromomethane	9.713	93	376513	76.513	ug/l	98
47) Bromodichloromethane	9.889	83	793350	78.423	ug/l	99
48) Methyl methacrylate	9.684	41	630135	83.848	ug/l #	77
49) 1,4-Dioxane	9.695	88	212587	1543.347	ug/l #	83
51) 4-Methyl-2-Pentanone	10.448	43	3947211	404.624	ug/l	91
52) Toluene	10.631	92	1427322	79.953	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	853229	87.010	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	946812	84.058	ug/l #	93
55) 1,1,2-Trichloroethane	11.019	97	542809	76.436	ug/l	96
56) Ethyl methacrylate	10.878	69	912881	86.276	ug/l #	81
57) 1,3-Dichloropropane	11.166	76	982951	79.721	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	1601058	436.713	ug/l	91
59) 2-Hexanone	11.195	43	2871893	406.272	ug/l	89
60) Dibromochloromethane	11.360	129	580676	82.979	ug/l	98
61) 1,2-Dibromoethane	11.472	107	555672	81.410	ug/l	99
64) Tetrachloroethene	11.107	164	530202	81.319	ug/l	98
65) Chlorobenzene	11.895	112	1462056	77.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.960	131	539411	78.756	ug/l	99
67) Ethyl Benzene	11.966	91	2805313	81.598	ug/l	98
68) m/p-Xylenes	12.072	106	2111138	163.214	ug/l	93
69) o-Xylene	12.401	106	1039516	81.610	ug/l	89
70) Styrene	12.413	104	1724662	86.360	ug/l	96
71) Bromoform	12.583	173	396603	85.071	ug/l #	98
73) Isopropylbenzene	12.701	105	2741255	78.111	ug/l	96
74) N-amyl acetate	12.495	43	1099946	80.140	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.942	83	770076	68.469	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	723486m	71.357	ug/l	
77) Bromobenzene	12.983	156	583435	75.128	ug/l	86
78) n-propylbenzene	13.036	91	3242516	81.021	ug/l	96
79) 2-Chlorotoluene	13.130	91	1952478	76.054	ug/l	92
80) 1,3,5-Trimethylbenzene	13.177	105	2338071	79.490	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.742	75	248918	80.851	ug/l	88
82) 4-Chlorotoluene	13.224	91	1883513	77.390	ug/l	93
83) tert-Butylbenzene	13.442	119	1963331	78.113	ug/l	93
84) 1,2,4-Trimethylbenzene	13.483	105	2315962	79.823	ug/l	94
85) sec-Butylbenzene	13.619	105	2878230	82.019	ug/l	97
86) p-Isopropyltoluene	13.730	119	2360997	84.116	ug/l	96
87) 1,3-Dichlorobenzene	13.736	146	1098681	77.481	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	1086872	75.487	ug/l	99
89) n-Butylbenzene	14.060	91	2091838	86.266	ug/l	97
90) Hexachloroethane	14.336	117	404257	79.715	ug/l	95
91) 1,2-Dichlorobenzene	14.107	146	1080447	75.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	168193	78.920	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	614620	85.533	ug/l	99
94) Hexachlorobutadiene	15.507	225	291551	77.924	ug/l	98
95) Naphthalene	15.642	128	2087704	90.702	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	599970	84.948	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

Manual Integrations

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Abundance

TIC: VN076858.D\data.ms

Time-->

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

7500000

7000000

6500000

6000000

5500000

5000000

4500000

4000000

3500000

3000000

2500000

2000000

1500000

1000000

500000

0

Dichlorodifluoromethane, T

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

Acetone, T

1,2-Dichloroethane, T

Methyl Iodide, T

Carbon Disulfide, T

Methyl Acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methyl 2,2-Dichloroethane, T

1,1-Dichloroethane, P

Diisopropyl ether, T

Vinyl Acetate, T

2,2-Dichloropropane, T

2,2-Dichloropropane, T

Methacrylonitrile, T

Chloroform, C

Pentamethylsilane, T

Dibromodichloropropane, S

Dibromodichloropropane, T

1,2-Dichloroethane, TM

Isopropyl acetate, T

1,4-Difluorobenzene, I

Trichloroethene, TM

Bromomethylcyclohexane, T

1,1,1-Trichloroethane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene-d8, S

Toluene, CM

t-1,3-Dichloropropene, T

1,1,2-Trichloroethane, T

1,3-Dichloropropane, T

Dibromodichloromethane, T

1,2-Dibromodichloroethane, T

Chlorobenzene, d5, T

Chlorobenzene, PM

1,1,1,2-Tetrachloroethane, C

1,1,2,2-Tetrachloroethane, T

1,2-Dichloroethane, T

N-ethyl acetate, T

Bromoform, P

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

1,1,2,2-Tetrachloroethane, S

1,2,3-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

4-Chlorotoluene, T

sec-Butylbenzene, T

1,2,4-Trimethylbenzene, T

1,2,4-Trichlorobenzene, T

n-Butylbenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T