

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079720.D
 Acq On : 30 Oct 2023 11:46
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 07:11:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:05:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	282070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	499886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	438892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	143539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	23416	5.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.340%#		
35) Dibromofluoromethane	8.171	113	17567	4.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.840%#		
50) Toluene-d8	10.571	98	65786	4.940	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.880%#		
62) 4-Bromofluorobenzene	12.853	95	18583	4.432	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	17661	4.743	ug/l	98
3) Chloromethane	2.365	50	24513	5.434	ug/l	97
4) Vinyl Chloride	2.512	62	25445	5.238	ug/l	94
5) Bromomethane	2.942	94	16894	5.298	ug/l	90
6) Chloroethane	3.112	64	21137	5.939	ug/l	92
7) Trichlorofluoromethane	3.495	101	29680	5.195	ug/l	97
8) Diethyl Ether	3.959	74	10720	5.185	ug/l	60
9) 1,1,2-Trichlorotrifluo...	4.371	101	17706	5.351	ug/l	99
10) Methyl Iodide	4.589	142	14392	4.322	ug/l #	90
11) Tert butyl alcohol	5.530	59	17979	29.925	ug/l	96
12) 1,1-Dichloroethene	4.342	96	16459	5.311	ug/l	89
13) Acrolein	4.183	56	17142	28.363	ug/l	99
14) Allyl chloride	5.018	41	28008	5.389	ug/l #	91
15) Acrylonitrile	5.730	53	45711	24.725	ug/l	93
16) Acetone	4.436	43	49611	25.600	ug/l	95
17) Carbon Disulfide	4.718	76	51198	5.410	ug/l	98
18) Methyl Acetate	5.036	43	40174	5.138	ug/l #	86
19) Methyl tert-butyl Ether	5.800	73	51884	4.948	ug/l	94
20) Methylene Chloride	5.283	84	21591	5.626	ug/l #	83
21) trans-1,2-Dichloroethene	5.783	96	18976	5.394	ug/l	92
22) Diisopropyl ether	6.683	45	57046	4.882	ug/l #	90
23) Vinyl Acetate	6.612	43	152058	23.637	ug/l #	87
24) 1,1-Dichloroethane	6.571	63	37472	5.352	ug/l	99
25) 2-Butanone	7.488	43	67320	25.289	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	29796	5.259	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	20735	5.120	ug/l	83
28) Bromochloromethane	7.824	49	17491	5.107	ug/l #	76
29) Tetrahydrofuran	7.847	42	37550	23.089	ug/l #	79
30) Chloroform	7.965	83	36459	5.171	ug/l #	81
31) Cyclohexane	8.259	56	35375	5.724	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	31917	5.222	ug/l	91
36) 1,1-Dichloropropene	8.377	75	25944	4.896	ug/l	94
37) Ethyl Acetate	7.565	43	28275	5.383	ug/l #	87
38) Carbon Tetrachloride	8.371	117	27471	5.199	ug/l	97
39) Methylcyclohexane	9.600	83	25684	4.873	ug/l	93
40) Benzene	8.612	78	78891	5.044	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	13067	4.770	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	29400	5.176	ug/l	94
43) Isopropyl Acetate	8.694	43	41321	4.921	ug/l #	91
44) Trichloroethene	9.353	130	20080	5.300	ug/l	87
45) 1,2-Dichloropropane	9.624	63	21249	5.115	ug/l	94
46) Dibromomethane	9.712	93	14436	5.153	ug/l	97
47) Bromodichloromethane	9.888	83	28298	5.035	ug/l #	90
48) Methyl methacrylate	9.688	41	18594	4.776	ug/l #	77
49) 1,4-Dioxane	9.700	88	6343	92.592	ug/l #	66
51) 4-Methyl-2-Pentanone	10.447	43	124890	23.904	ug/l	87
52) Toluene	10.635	92	47673	4.993	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	26391	4.650	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	29099	4.686	ug/l #	78
55) 1,1,2-Trichloroethane	11.018	97	19309	5.114	ug/l #	86
56) Ethyl methacrylate	10.877	69	23643	4.434	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	32612	4.935	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	38747	19.722	ug/l #	88
59) 2-Hexanone	11.200	43	90892	23.660	ug/l	86
60) Dibromochloromethane	11.359	129	18603	4.761	ug/l	98
61) 1,2-Dibromoethane	11.476	107	19175	5.097	ug/l	100
64) Tetrachloroethene	11.106	164	16185	5.198	ug/l	93
65) Chlorobenzene	11.894	112	51603	5.312	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	17804	4.932	ug/l	97
67) Ethyl Benzene	11.971	91	82598	4.826	ug/l	93
68) m/p-Xylenes	12.076	106	57090	9.019	ug/l	91
69) o-Xylene	12.400	106	27804	4.568	ug/l	93
70) Styrene	12.418	104	41710	4.278	ug/l	97
71) Bromoform	12.582	173	12720	4.920	ug/l #	97
73) Isopropylbenzene	12.700	105	69152	5.319	ug/l	99
74) N-amyl acetate	12.500	43	26917	5.205	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	28709	6.237	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	21444m	5.685	ug/l	
77) Bromobenzene	12.988	156	17050	5.576	ug/l	90
78) n-propylbenzene	13.041	91	76750	5.125	ug/l	96
79) 2-Chlorotoluene	13.129	91	51027	5.466	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	54988	5.189	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	6985	5.406	ug/l #	82
82) 4-Chlorotoluene	13.223	91	46840	5.223	ug/l	98
83) tert-Butylbenzene	13.441	119	46524	5.356	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	50061	4.896	ug/l	100
85) sec-Butylbenzene	13.618	105	62281	5.141	ug/l	98
86) p-Isopropyltoluene	13.735	119	47648	4.938	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	27467	5.310	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	28190	5.471	ug/l	96
89) n-Butylbenzene	14.059	91	37181	4.850	ug/l	95
90) Hexachloroethane	14.335	117	11622	5.700	ug/l	82
91) 1,2-Dichlorobenzene	14.112	146	25898	5.148	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	3650	5.142	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	5419	3.614	ug/l	90
94) Hexachlorobutadiene	15.506	225	7980	5.997	ug/l	97
95) Naphthalene	15.641	128	18026	4.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	6927	4.137	ug/l	98

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Quant Title : SW846 8260
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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 APPROVED

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Abundance

TIC: VN079720.D\data.ms

Time-->

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

1,1,1-Trichloroethane, T

Methyl Iodide, T

Carbon Disulfide, T

Methyl acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

1,1-Dichloroethane, T

Disopropyl ether, T

Ethyl Acetate, T

2,2-Dichloropropane, T

Methoxybenzene, T

Chloroform, C

1,1,1-Trichloroethane, S

1,1,2-Trichloroethane, T

1,2-Dichloroethane, T

1,3-Dichloropropane, T

1,4-Dichlorobenzene, T

1,4-Difluorobenzene, I

Trichloroethene, TM

Dibromodichloropropane, C

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, SM

Ethylmethoxybenzene, T

1,1,2-Trichloroethane, T

1,3-Dichloropropane, T

Dibromochloromethane, T

1,2-Dibromomethane, T

Chlorobenzene-d5, I

Ethylbenzene, T

1,2-Dichlorobenzene, T

trans-1,2-Dichlorobenzene, T

4-Methylphenol, T

4-Chlorobenzonitrile, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,2-Dichlorobenzene, T

1,2-Dibromobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T