

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011822\
 Data File : VN070663.D
 Acq On : 18 Jan 2022 11:43
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Jan 18 12:35:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 12:34:21 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/19/2022
 Supervised By :Semsettin Yesilyurt 01/19/2022

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	851638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1394137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1257233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	505023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	229051	18.722	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	37.440%#		
35) Dibromofluoromethane	8.019	113	160476	18.924	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	37.840%#		
50) Toluene-d8	10.440	98	692452	19.844	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	39.680%#		
62) 4-Bromofluorobenzene	12.728	95	226562	18.051	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	36.100%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	188302	19.702	ug/l	99
3) Chloromethane	2.306	50	275643	20.748	ug/l	98
4) Vinyl Chloride	2.448	62	264393	21.638	ug/l	99
5) Bromomethane	2.861	94	154032	24.643	ug/l	99
6) Chloroethane	3.025	64	159883	21.703	ug/l	99
7) Trichlorofluoromethane	3.382	101	310993	21.419	ug/l	96
8) Diethyl Ether	3.827	74	137908	21.598	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.213	101	193544	21.995	ug/l	96
10) Methyl Iodide	4.425	142	232825	19.629	ug/l	99
11) Tert butyl alcohol	5.374	59	192261	93.535	ug/l #	88
12) 1,1-Dichloroethene	4.186	96	191603	22.066	ug/l	93
13) Acrolein	4.041	56	322366	168.407	ug/l	99
14) Allyl chloride	4.843	41	400891	20.210	ug/l	84
15) Acrylonitrile	5.554	53	684628	105.765	ug/l	99
16) Acetone	4.288	43	905129	113.564	ug/l	96
17) Carbon Disulfide	4.532	76	478491	20.022	ug/l	99
18) Methyl Acetate	4.857	43	313250	14.324	ug/l	93
19) Methyl tert-butyl Ether	5.618	73	665623	20.564	ug/l	94
20) Methylene Chloride	5.098	84	217028	19.684	ug/l	87
21) trans-1,2-Dichloroethene	5.600	96	186595	20.247	ug/l	85
22) Diisopropyl ether	6.495	45	829007	21.420	ug/l	93
23) Vinyl Acetate	6.434	43	3457461	113.414	ug/l	94
24) 1,1-Dichloroethane	6.388	63	401827	20.161	ug/l	97
25) 2-Butanone	7.335	43	1086019	107.440	ug/l	93
26) 2,2-Dichloropropane	7.324	77	301729	19.324	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	221213	20.181	ug/l	87
28) Bromochloromethane	7.657	49	175714	18.381	ug/l #	76
29) Tetrahydrofuran	7.686	42	658990	108.759	ug/l	87
30) Chloroform	7.817	83	400359	20.895	ug/l	99
31) Cyclohexane	8.094	56	419410	21.414	ug/l	89
32) 1,1,1-Trichloroethane	8.016	97	311789	19.427	ug/l	97
36) 1,1-Dichloropropene	8.220	75	289550	20.648	ug/l	96
37) Ethyl Acetate	7.413	43	394356	21.527	ug/l	96
38) Carbon Tetrachloride	8.206	117	254789	19.226	ug/l	99
39) Methylcyclohexane	9.459	83	348921	20.436	ug/l	88
40) Benzene	8.458	78	904254	20.983	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	204011	22.432	ug/l #	84
42) 1,2-Dichloroethane	8.528	62	311659	19.457	ug/l	99
43) Isopropyl Acetate	8.560	43	585142	20.364	ug/l	96
44) Trichloroethene	9.215	130	200480	19.671	ug/l	91
45) 1,2-Dichloropropane	9.488	63	244571	21.044	ug/l	99
46) Dibromomethane	9.574	93	144292	20.135	ug/l	95
47) Bromodichloromethane	9.762	83	281854	19.850	ug/l	98
48) Methyl methacrylate	9.558	41	279873	20.509	ug/l #	78
49) 1,4-Dioxane	9.569	88	79639	393.490	ug/l #	85
51) 4-Methyl-2-Pentanone	10.328	43	1899366	105.000	ug/l	98
52) Toluene	10.505	92	544057	20.903	ug/l	97
53) t-1,3-Dichloropropene	10.717	75	304552	19.742	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	344202	20.538	ug/l	98
55) 1,1,2-Trichloroethane	10.896	97	209930	20.412	ug/l	98
56) Ethyl methacrylate	10.760	69	347362	20.320	ug/l	88
57) 1,3-Dichloropropane	11.044	76	376566	20.643	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	367091	100.270	ug/l	90
59) 2-Hexanone	11.084	43	1407162	106.519	ug/l	96
60) Dibromochloromethane	11.237	129	194717	19.542	ug/l	99
61) 1,2-Dibromoethane	11.344	107	209613	20.086	ug/l	98
64) Tetrachloroethene	10.977	164	189906	20.792	ug/l	97
65) Chlorobenzene	11.768	112	539635	20.206	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	188791	19.857	ug/l	99
67) Ethyl Benzene	11.843	91	1017972	20.742	ug/l	96
68) m/p-Xylenes	11.950	106	749755	41.939	ug/l	92
69) o-Xylene	12.278	106	367247	20.686	ug/l	90
70) Styrene	12.294	104	589741	20.947	ug/l	96
71) Bromoform	12.457	173	138140	19.608	ug/l #	99
73) Isopropylbenzene	12.578	105	961357	20.550	ug/l	98
74) N-amyl acetate	12.388	43	375746	18.991	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.825	83	326144	20.661	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	264979m	17.719	ug/l	
77) Bromobenzene	12.860	156	212987	19.871	ug/l	75
78) n-propylbenzene	12.919	91	1071274	20.572	ug/l	95
79) 2-Chlorotoluene	13.004	91	680009	20.400	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	791550	21.078	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.624	75	81825	19.705	ug/l	98
82) 4-Chlorotoluene	13.104	91	633488	20.225	ug/l	91
83) tert-Butylbenzene	13.321	119	669304	20.228	ug/l	93
84) 1,2,4-Trimethylbenzene	13.367	105	768246	21.233	ug/l	96
85) sec-Butylbenzene	13.501	105	917903	20.413	ug/l	97
86) p-Isopropyltoluene	13.613	119	726447	20.552	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	354885	19.682	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	339906	19.094	ug/l	95
89) n-Butylbenzene	13.940	91	553891	18.767	ug/l	97
90) Hexachloroethane	14.209	117	121589	19.892	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	351854	19.915	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.603	75	51388	18.918	ug/l	80
93) 1,2,4-Trichlorobenzene	15.263	180	148850	17.754	ug/l	99
94) Hexachlorobutadiene	15.367	225	103950	21.158	ug/l	100
95) Naphthalene	15.504	128	361945	15.924	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	141810	17.325	ug/l	97

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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: VN070663.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

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400000
300000
200000
100000
0

Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
1,1,2,2-Tetrachloroethane, T
Methyl Iodide, T
Carbon Disulfide, T
Methyl Chloride, 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
Chloroform, C
Dibromodichloromethane, S
1,2-Dichloroethane, T
Propyl Acetate, T
Benzene, TM
Trichloroethene, TM
Bromodichloromethane, T
1,1,2,2-Tetrachloroethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
Toluene, CM
1,3-Dichlorobenzene, T
1,1,2,2-Tetrachloroethane, T
1,2-Dibromochloromethane, T
1,2-Dibromomethane, T
Chlorobenzene, PM
Ethyl Benzoate, T
Chlorobenzene-d5, T
Chlorobenzene, T
Styrene, T
Isopropylbenzene, T
Propylbenzene, T
1,3,5-Trimethylbenzene, T
4-Chlorobenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2,4-Trimethylbenzene, T
1,4-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorocyclopentadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T