

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100322\
 Data File : VN074709.D
 Acq On : 03 Oct 2022 14:49
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 05:30:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 05:26:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.928	168	212701	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.827	114	375680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	411685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	232006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	97713	18.282	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.560%#		
35) Dibromofluoromethane	7.869	113	72659	17.991	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	35.980%#		
50) Toluene-d8	10.310	98	297758	17.937	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	35.880%#		
62) 4-Bromofluorobenzene	12.604	95	84613	17.452	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	34.900%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.004	85	89842	20.468	ug/l	100
3) Chloromethane	2.216	50	149292	19.678	ug/l	98
4) Vinyl Chloride	2.357	62	252388	19.828	ug/l	94
5) Bromomethane	2.746	94	180355	18.195	ug/l	88
6) Chloroethane	2.904	64	205686	20.793	ug/l	93
7) Trichlorofluoromethane	3.245	101	130220	18.999	ug/l	91
8) Diethyl Ether	3.687	74	58110	19.270	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.045	101	76414	19.816	ug/l	91
10) Methyl Iodide	4.251	142	96931	20.698	ug/l	93
11) Tert butyl alcohol	5.169	59	109967	94.420	ug/l	95
12) 1,1-Dichloroethene	4.028	96	72991	19.073	ug/l	89
13) Acrolein	3.887	56	43105	80.366	ug/l	95
14) Allyl chloride	4.663	41	148962	18.955	ug/l	90
15) Acrylonitrile	5.363	53	324124	97.607	ug/l	99
16) Acetone	4.128	43	272785	93.457	ug/l	97
17) Carbon Disulfide	4.357	76	216719	19.322	ug/l #	94
18) Methyl Acetate	4.663	43	186295	19.227	ug/l	90
19) Methyl tert-butyl Ether	5.410	73	290884	19.106	ug/l	99
20) Methylene Chloride	4.904	84	93464	17.584	ug/l #	90
21) trans-1,2-Dichloroethene	5.398	96	77664	18.729	ug/l	91
22) Diisopropyl ether	6.304	45	331781	19.158	ug/l #	93
23) Vinyl Acetate	6.245	43	1317661	100.226	ug/l	97
24) 1,1-Dichloroethane	6.198	63	169390	19.728	ug/l	97
25) 2-Butanone	7.163	43	483778	95.579	ug/l #	86
26) 2,2-Dichloropropane	7.151	77	118077	18.152	ug/l	98
27) cis-1,2-Dichloroethene	7.157	96	96477	18.621	ug/l	91
28) Bromochloromethane	7.486	49	86290	20.967	ug/l #	71
29) Tetrahydrofuran	7.516	42	326507	97.906	ug/l #	86
30) Chloroform	7.657	83	164755	19.624	ug/l	98
31) Cyclohexane	7.933	56	159224	19.279	ug/l	88
32) 1,1,1-Trichloroethane	7.851	97	136283	18.869	ug/l	96
36) 1,1-Dichloropropene	8.069	75	123339	18.752	ug/l	93
37) Ethyl Acetate	7.245	43	175711	18.862	ug/l #	94
38) Carbon Tetrachloride	8.045	117	106657	18.337	ug/l	99
39) Methylcyclohexane	9.322	83	154848	19.435	ug/l	96
40) Benzene	8.310	78	399531	19.923	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.475	41	90555	20.705	ug/l #	62
42) 1,2-Dichloroethane	8.380	62	127656	18.599	ug/l	99
43) Isopropyl Acetate	8.416	43	274206	19.537	ug/l #	90
44) Trichloroethene	9.075	130	80841	18.259	ug/l	99
45) 1,2-Dichloropropane	9.351	63	100141	18.825	ug/l	94
46) Dibromomethane	9.433	93	66494	17.939	ug/l #	86
47) Bromodichloromethane	9.627	83	126079	18.688	ug/l #	99
48) Methyl methacrylate	9.422	41	125627	19.537	ug/l	88
49) 1,4-Dioxane	9.427	88	45429	382.005	ug/l #	88
51) 4-Methyl-2-Pentanone	10.204	43	982954	97.209	ug/l	89
52) Toluene	10.374	92	228934	18.764	ug/l	94
53) t-1,3-Dichloropropene	10.592	75	127362	19.155	ug/l	91
54) cis-1,3-Dichloropropene	10.057	75	147625	19.849	ug/l #	90
55) 1,1,2-Trichloroethane	10.774	97	94299	19.213	ug/l	96
56) Ethyl methacrylate	10.639	69	148034	19.161	ug/l #	77
57) 1,3-Dichloropropane	10.921	76	170442	19.329	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.910	63	303353	101.817	ug/l #	88
59) 2-Hexanone	10.963	43	722560	95.369	ug/l	88
60) Dibromochloromethane	11.110	129	85309	19.002	ug/l	99
61) 1,2-Dibromoethane	11.216	107	92643	19.091	ug/l	94
64) Tetrachloroethene	10.845	164	68017	20.251	ug/l	95
65) Chlorobenzene	11.645	112	230839	18.467	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.716	131	76841	18.632	ug/l	95
67) Ethyl Benzene	11.721	91	440588	18.913	ug/l	96
68) m/p-Xylenes	11.827	106	333410	38.404	ug/l	98
69) o-Xylene	12.157	106	163904	18.811	ug/l	97
70) Styrene	12.168	104	267735	19.250	ug/l	99
71) Bromoform	12.327	173	56132	18.496	ug/l #	94
73) Isopropylbenzene	12.457	105	430262	20.072	ug/l	96
74) N-amyl acetate	12.268	43	206013	19.442	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.704	83	161943	19.808	ug/l	98
76) 1,2,3-Trichloropropane	12.757	75	126343m	19.689	ug/l	
77) Bromobenzene	12.733	156	84647	18.472	ug/l	75
78) n-propylbenzene	12.798	91	497813	20.284	ug/l	94
79) 2-Chlorotoluene	12.880	91	280605	19.404	ug/l	99
80) 1,3,5-Trimethylbenzene	12.939	105	342177	19.997	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.504	75	37170	18.509	ug/l #	85
82) 4-Chlorotoluene	12.980	91	272471	19.481	ug/l	97
83) tert-Butylbenzene	13.198	119	297443	19.429	ug/l	95
84) 1,2,4-Trimethylbenzene	13.239	105	337332	20.469	ug/l	99
85) sec-Butylbenzene	13.374	105	431894	19.787	ug/l	96
86) p-Isopropyltoluene	13.492	119	339168	20.270	ug/l	99
87) 1,3-Dichlorobenzene	13.486	146	165286	18.981	ug/l	99
88) 1,4-Dichlorobenzene	13.568	146	160781	18.845	ug/l	97
89) n-Butylbenzene	13.815	91	297381	19.679	ug/l	93
90) Hexachloroethane	14.080	117	53786	18.955	ug/l	81
91) 1,2-Dichlorobenzene	13.862	146	164632	19.436	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.474	75	30833	20.487	ug/l	84
93) 1,2,4-Trichlorobenzene	15.127	180	75510	20.217	ug/l	98
94) Hexachlorobutadiene	15.233	225	38316	20.288	ug/l	91
95) Naphthalene	15.362	128	306353	21.586	ug/l	99
96) 1,2,3-Trichlorobenzene	15.551	180	76914	19.514	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

