

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079763.D
 Acq On : 01 Nov 2023 10:50
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/02/2023
 Supervised By : Mahesh Dadoda 11/02/2023

Quant Time: Nov 02 05:29:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:25:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	323337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	567961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	510971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	229243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	99193	20.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.280%#		
35) Dibromofluoromethane	8.171	113	81828	20.356	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.720%#		
50) Toluene-d8	10.570	98	301811	20.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.780%#		
62) 4-Bromofluorobenzene	12.853	95	101450	20.671	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	41.340%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	80124	20.573	ug/l	96
3) Chloromethane	2.359	50	102883	20.380	ug/l	99
4) Vinyl Chloride	2.512	62	101098	19.831	ug/l	99
5) Bromomethane	2.953	94	63422	20.475	ug/l	94
6) Chloroethane	3.118	64	68777	17.010	ug/l	99
7) Trichlorofluoromethane	3.494	101	125366	19.771	ug/l	94
8) Diethyl Ether	3.965	74	47827	19.876	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.371	101	69170	18.818	ug/l	100
10) Methyl Iodide	4.594	142	86381	20.578	ug/l	91
11) Tert butyl alcohol	5.518	59	64131	101.983	ug/l	99
12) 1,1-Dichloroethene	4.347	96	68425	19.660	ug/l	87
13) Acrolein	4.183	56	51968	94.587	ug/l	100
14) Allyl chloride	5.024	41	113291	21.253	ug/l #	93
15) Acrylonitrile	5.724	53	192582	98.271	ug/l	99
16) Acetone	4.430	43	158587	91.650	ug/l	96
17) Carbon Disulfide	4.712	76	192543	19.179	ug/l	98
18) Methyl Acetate	5.024	43	158221	19.112	ug/l #	87
19) Methyl tert-butyl Ether	5.800	73	237428	19.815	ug/l	93
20) Methylene Chloride	5.271	84	82000	18.781	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	75301	19.399	ug/l	86
22) Diisopropyl ether	6.677	45	253308	20.505	ug/l #	90
23) Vinyl Acetate	6.606	43	700565	102.812	ug/l #	88
24) 1,1-Dichloroethane	6.571	63	147604	19.659	ug/l	97
25) 2-Butanone	7.488	43	250844	98.997	ug/l #	85
26) 2,2-Dichloropropane	7.488	77	122717	19.762	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	90957	19.590	ug/l	88
28) Bromochloromethane	7.812	49	74285	20.301	ug/l #	80
29) Tetrahydrofuran	7.841	42	166904	101.242	ug/l #	77
30) Chloroform	7.971	83	152153	18.656	ug/l	100
31) Cyclohexane	8.259	56	121220	18.622	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	129793	19.531	ug/l	97
36) 1,1-Dichloropropene	8.377	75	111658	19.454	ug/l	95
37) Ethyl Acetate	7.565	43	107056	20.338	ug/l #	90
38) Carbon Tetrachloride	8.359	117	111112	19.209	ug/l	98
39) Methylcyclohexane	9.606	83	103977	19.250	ug/l	92
40) Benzene	8.612	78	332051	19.315	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	59111	21.147	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	115482	19.231	ug/l	100
43) Isopropyl Acetate	8.688	43	177446	19.222	ug/l #	92
44) Trichloroethene	9.353	130	81033	18.996	ug/l	99
45) 1,2-Dichloropropane	9.624	63	85214	19.397	ug/l	97
46) Dibromomethane	9.712	93	57985	19.330	ug/l	92
47) Bromodichloromethane	9.888	83	117729	18.402	ug/l #	99
48) Methyl methacrylate	9.682	41	80086	19.807	ug/l #	84
49) 1,4-Dioxane	9.694	88	31156	436.073	ug/l #	91
51) 4-Methyl-2-Pentanone	10.447	43	527912	101.578	ug/l	90
52) Toluene	10.635	92	199325	19.558	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	125664	20.037	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	137918	20.175	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	81949	19.991	ug/l	98
56) Ethyl methacrylate	10.876	69	118887	20.333	ug/l #	85
57) 1,3-Dichloropropane	11.165	76	141873	19.635	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	301070	101.592	ug/l	91
59) 2-Hexanone	11.200	43	403100	101.388	ug/l	89
60) Dibromochloromethane	11.365	129	86209	19.647	ug/l	100
61) 1,2-Dibromoethane	11.470	107	81411	19.787	ug/l	97
64) Tetrachloroethene	11.106	164	65154	19.688	ug/l	98
65) Chlorobenzene	11.894	112	214336	19.338	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	77967	19.524	ug/l	97
67) Ethyl Benzene	11.965	91	381133	19.737	ug/l	97
68) m/p-Xylenes	12.070	106	284505	39.549	ug/l	97
69) o-Xylene	12.400	106	137390	19.834	ug/l	93
70) Styrene	12.412	104	232245	20.862	ug/l	99
71) Bromoform	12.582	173	56936	20.078	ug/l #	99
73) Isopropylbenzene	12.700	105	349924	20.113	ug/l	99
74) N-amyl acetate	12.494	43	154070	20.288	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	117593	19.063	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	105233m	19.578	ug/l	
77) Bromobenzene	12.982	156	83308	19.558	ug/l	95
78) n-propylbenzene	13.041	91	403421	20.248	ug/l	98
79) 2-Chlorotoluene	13.129	91	248180	19.499	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	271827	20.081	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	36052	18.226	ug/l #	78
82) 4-Chlorotoluene	13.223	91	247402	19.561	ug/l	99
83) tert-Butylbenzene	13.441	119	227622	20.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	272272	20.444	ug/l	99
85) sec-Butylbenzene	13.617	105	308975	20.127	ug/l	99
86) p-Isopropyltoluene	13.729	119	256144	20.466	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	152211	19.209	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	153194	19.047	ug/l	99
89) n-Butylbenzene	14.059	91	209903	19.472	ug/l	100
90) Hexachloroethane	14.335	117	47039	18.977	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	146471	19.581	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	22199	21.221	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	70525	19.828	ug/l	98
94) Hexachlorobutadiene	15.505	225	30029	18.624	ug/l	98
95) Naphthalene	15.641	128	237945	19.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	69515	19.939	ug/l	98

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

