

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011024\
 Data File : VN080659.D
 Acq On : 10 Jan 2024 13:33
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/11/2024
 Supervised By : Mahesh Dadoda 01/11/2024

Quant Time: Jan 11 06:18:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:15:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	177387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	344720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289773	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	113602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	48788	15.662	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	31.320%#		
35) Dibromofluoromethane	8.165	113	30736	15.693	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	31.380%#		
50) Toluene-d8	10.571	98	121667	16.291	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	32.580%#		
62) 4-Bromofluorobenzene	12.853	95	43986	15.359	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	30.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	61146	21.217	ug/l	96
3) Chloromethane	2.359	50	63521	19.399	ug/l	95
4) Vinyl Chloride	2.512	62	50176	19.190	ug/l	98
5) Bromomethane	2.965	94	18672	18.788	ug/l	88
6) Chloroethane	3.118	64	26629	18.785	ug/l	91
7) Trichlorofluoromethane	3.495	101	84224	19.506	ug/l	94
8) Diethyl Ether	3.965	74	35394	18.756	ug/l	61
9) 1,1,2-Trichlorotrifluo...	4.377	101	44504	18.910	ug/l	94
10) Methyl Iodide	4.583	142	37803	19.210	ug/l	91
11) Tert butyl alcohol	5.506	59	49808	94.544	ug/l	# 93
12) 1,1-Dichloroethene	4.342	96	46657	17.617	ug/l	# 74
13) Acrolein	4.183	56	40642	91.649	ug/l	96
14) Allyl chloride	5.018	41	95364	18.165	ug/l	# 86
15) Acrylonitrile	5.712	53	130948	95.186	ug/l	99
16) Acetone	4.424	43	103831	101.526	ug/l	97
17) Carbon Disulfide	4.712	76	151596	18.715	ug/l	97
18) Methyl Acetate	5.024	43	60303	19.801	ug/l	# 81
19) Methyl tert-butyl Ether	5.794	73	174294	19.099	ug/l	# 90
20) Methylene Chloride	5.283	84	52320	17.524	ug/l	# 80
21) trans-1,2-Dichloroethene	5.783	96	51039	19.000	ug/l	# 84
22) Diisopropyl ether	6.671	45	193347	19.530	ug/l	# 89
23) Vinyl Acetate	6.600	43	759705	94.826	ug/l	# 84
24) 1,1-Dichloroethane	6.565	63	104249	19.237	ug/l	98
25) 2-Butanone	7.483	43	171824	92.947	ug/l	# 84
26) 2,2-Dichloropropane	7.483	77	90882	19.176	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	57820	19.525	ug/l	77
28) Bromochloromethane	7.812	49	48926	19.312	ug/l	# 62
29) Tetrahydrofuran	7.841	42	113990	91.484	ug/l	# 75
30) Chloroform	7.965	83	99377	19.561	ug/l	94
31) Cyclohexane	8.253	56	95222	19.786	ug/l	# 79
32) 1,1,1-Trichloroethane	8.171	97	88644	21.398	ug/l	94
36) 1,1-Dichloropropene	8.377	75	76950	19.180	ug/l	91
37) Ethyl Acetate	7.559	43	77539	19.930	ug/l	# 91
38) Carbon Tetrachloride	8.359	117	70818	19.659	ug/l	97
39) Methylcyclohexane	9.600	83	75204	19.587	ug/l	# 82
40) Benzene	8.606	78	216339	19.181	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	44919	20.122	ug/l #	79
42) 1,2-Dichloroethane	8.671	62	88419	20.477	ug/l	95
43) Isopropyl Acetate	8.688	43	138119	19.314	ug/l #	88
44) Trichloroethene	9.353	130	49859	19.527	ug/l	93
45) 1,2-Dichloropropane	9.618	63	59112	19.769	ug/l	97
46) Dibromomethane	9.712	93	36846	19.476	ug/l	95
47) Bromodichloromethane	9.888	83	81210	19.340	ug/l	97
48) Methyl methacrylate	9.682	41	64749	19.124	ug/l #	78
49) 1,4-Dioxane	9.694	88	16271	385.687	ug/l #	70
51) 4-Methyl-2-Pentanone	10.447	43	377384	97.818	ug/l	87
52) Toluene	10.629	92	129754	20.079	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	92751	19.901	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	97999	19.828	ug/l #	76
55) 1,1,2-Trichloroethane	11.018	97	47747	19.196	ug/l	97
56) Ethyl methacrylate	10.876	69	85979	19.299	ug/l #	73
57) 1,3-Dichloropropane	11.165	76	89467	19.703	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	203877	95.544	ug/l #	86
59) 2-Hexanone	11.194	43	285780	100.342	ug/l	82
60) Dibromochloromethane	11.359	129	51467	20.133	ug/l	99
61) 1,2-Dibromoethane	11.471	107	49419	20.212	ug/l	93
64) Tetrachloroethene	11.106	164	39169	19.683	ug/l	94
65) Chlorobenzene	11.894	112	126213	19.936	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	43229	19.232	ug/l	96
67) Ethyl Benzene	11.965	91	239881	19.843	ug/l	94
68) m/p-Xylenes	12.070	106	170221	40.051	ug/l	86
69) o-Xylene	12.400	106	83216	20.025	ug/l	83
70) Styrene	12.412	104	137581	19.497	ug/l #	92
71) Bromoform	12.576	173	30070	19.445	ug/l #	96
73) Isopropylbenzene	12.700	105	208934	19.341	ug/l	99
74) N-amyl acetate	12.494	43	119287	18.400	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	64704	18.259	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	63366m	17.754	ug/l	
77) Bromobenzene	12.982	156	42512	18.528	ug/l	65
78) n-propylbenzene	13.035	91	254832	19.230	ug/l	95
79) 2-Chlorotoluene	13.129	91	154334	18.173	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	174166	19.345	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	27056	18.197	ug/l #	77
82) 4-Chlorotoluene	13.223	91	158062	18.985	ug/l	93
83) tert-Butylbenzene	13.441	119	137443	19.097	ug/l	88
84) 1,2,4-Trimethylbenzene	13.482	105	172826	19.522	ug/l	94
85) sec-Butylbenzene	13.617	105	192146	18.790	ug/l	97
86) p-Isopropyltoluene	13.729	119	155673	19.275	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	77427	18.893	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	75362	18.050	ug/l	92
89) n-Butylbenzene	14.059	91	149345	19.184	ug/l	98
90) Hexachloroethane	14.335	117	28547	19.059	ug/l	94
91) 1,2-Dichlorobenzene	14.112	146	76228	19.739	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16195	19.742	ug/l	77
93) 1,2,4-Trichlorobenzene	15.400	180	37034	18.413	ug/l	95
94) Hexachlorobutadiene	15.506	225	17640	18.276	ug/l	99
95) Naphthalene	15.641	128	152791	19.303	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	38918	19.991	ug/l	97

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

