

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021624\
 Data File : VN081048.D
 Acq On : 16 Feb 2024 11:43
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2024
 Supervised By : Semsettin Yesilyurt 02/20/2024

Quant Time: Feb 16 23:21:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	417824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	737489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	665604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	299778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	482071	94.130	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 188.260%#			
35) Dibromofluoromethane	8.165	113	419702	100.641	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 201.280%#			
50) Toluene-d8	10.571	98	1476338	99.674	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.340%#			
62) 4-Bromofluorobenzene	12.853	95	582153	104.599	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 209.200%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	571722	105.807	ug/l	97
3) Chloromethane	2.365	50	580391	99.601	ug/l	99
4) Vinyl Chloride	2.518	62	585900	97.618	ug/l #	86
5) Bromomethane	2.942	94	391488	91.834	ug/l	92
7) Trichlorofluoromethane	3.495	101	874087	99.687	ug/l	97
8) Diethyl Ether	3.959	74	314310	98.045	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.371	101	489371	100.115	ug/l	91
10) Methyl Iodide	4.589	142	559673	102.576	ug/l	99
11) Tert butyl alcohol	5.518	59	400439	425.167	ug/l	98
12) 1,1-Dichloroethene	4.342	96	463036	97.996	ug/l	90
13) Acrolein	4.177	56	167746	332.299	ug/l	97
14) Allyl chloride	5.024	41	683325	97.466	ug/l #	91
15) Acrylonitrile	5.712	53	1125273	457.470	ug/l	98
16) Acetone	4.424	43	881316	437.348	ug/l	100
17) Carbon Disulfide	4.712	76	1284685	97.478	ug/l	97
18) Methyl Acetate	5.018	43	477942	97.225	ug/l	91
19) Methyl tert-butyl Ether	5.794	73	1572790	97.187	ug/l	98
20) Methylene Chloride	5.277	84	515401	99.792	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	503085	95.431	ug/l	95
22) Diisopropyl ether	6.671	45	1601484	100.699	ug/l #	95
23) Vinyl Acetate	6.600	43	6398641	495.893	ug/l #	94
24) 1,1-Dichloroethane	6.565	63	912059	99.183	ug/l	96
25) 2-Butanone	7.483	43	1429365	439.060	ug/l	91
26) 2,2-Dichloropropane	7.488	77	875112	101.565	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	589156	96.190	ug/l	88
28) Bromochloromethane	7.818	49	379608	99.575	ug/l #	65
29) Tetrahydrofuran	7.835	42	960364	441.910	ug/l #	87
30) Chloroform	7.965	83	960795	98.283	ug/l	98
31) Cyclohexane	8.259	56	824024	93.185	ug/l #	81
32) 1,1,1-Trichloroethane	8.165	97	884775	99.378	ug/l #	92
36) 1,1-Dichloropropene	8.371	75	730433	102.236	ug/l	96
37) Ethyl Acetate	7.559	43	606353	94.037	ug/l	98
38) Carbon Tetrachloride	8.359	117	773253	106.975	ug/l	99
39) Methylcyclohexane	9.600	83	878253	105.451	ug/l	88
40) Benzene	8.606	78	2123433	102.681	ug/l	98
41) Methacrylonitrile	7.771	41	359087	97.851	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.671	62	721399	99.987	ug/l	99
43) Isopropyl Acetate	8.688	43	1107616	98.217	ug/l #	94
44) Trichloroethene	9.353	130	551351	100.100	ug/l	96
45) 1,2-Dichloropropane	9.624	63	534882	103.399	ug/l	97
46) Dibromomethane	9.712	93	371435	98.548	ug/l	92
47) Bromodichloromethane	9.888	83	769245	107.761	ug/l #	98
48) Methyl methacrylate	9.682	41	512284	97.626	ug/l	90
49) 1,4-Dioxane	9.694	88	186839	1973.790	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	3158972	486.953	ug/l	95
52) Toluene	10.629	92	1372603	104.844	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	869114	109.561	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	933017	108.862	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	512587	101.797	ug/l	93
56) Ethyl methacrylate	10.876	69	810594	105.331	ug/l	87
57) 1,3-Dichloropropane	11.165	76	890973	102.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	1712005	443.376	ug/l #	87
59) 2-Hexanone	11.200	43	2362186	459.293	ug/l	96
60) Dibromochloromethane	11.359	129	572456	107.015	ug/l	100
61) 1,2-Dibromoethane	11.470	107	536742	101.366	ug/l	98
64) Tetrachloroethene	11.106	164	439262	96.695	ug/l	93
65) Chlorobenzene	11.894	112	1455316	101.024	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	529413	102.318	ug/l	97
67) Ethyl Benzene	11.965	91	2698948	104.701	ug/l	98
68) m/p-Xylenes	12.070	106	2075242	210.032	ug/l	94
69) o-Xylene	12.400	106	1006404	102.755	ug/l	95
70) Styrene	12.412	104	1683584	108.478	ug/l	97
71) Bromoform	12.582	173	366146	111.538	ug/l #	99
73) Isopropylbenzene	12.700	105	2612703	99.613	ug/l	97
74) N-amyl acetate	12.494	43	1040716	93.884	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	678781	92.035	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	599181m	87.616	ug/l	
77) Bromobenzene	12.982	156	573201	98.013	ug/l	74
78) n-propylbenzene	13.035	91	3129044	103.631	ug/l	96
79) 2-Chlorotoluene	13.129	91	1802978	97.353	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	2172976	102.181	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	254777	96.280	ug/l	97
82) 4-Chlorotoluene	13.223	91	1808429	99.865	ug/l	94
83) tert-Butylbenzene	13.441	119	1851697	100.700	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	2169674	102.386	ug/l	96
85) sec-Butylbenzene	13.617	105	2660930	104.091	ug/l	94
86) p-Isopropyltoluene	13.729	119	2228448	104.950	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	1068970	96.740	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	1071358	98.671	ug/l	97
89) n-Butylbenzene	14.059	91	1985480	107.332	ug/l	97
90) Hexachloroethane	14.335	117	386622	110.156	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	1031627	96.798	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	141738	92.435	ug/l	75
93) 1,2,4-Trichlorobenzene	15.394	180	629606	105.892	ug/l	99
94) Hexachlorobutadiene	15.506	225	223472	100.779	ug/l	98
95) Naphthalene	15.641	128	2068520	94.937	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	599915	101.709	ug/l	100

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

