

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070824\
 Data File : VN082813.D
 Acq On : 08 Jul 2024 10:45
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 08 13:21:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:14:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/08/2024
 Supervised By : Mahesh Dadoda 07/09/2024

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	170046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	276775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	252876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	231552	97.140	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.280%#			
35) Dibromofluoromethane	8.165	113	182218	102.601	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.200%#			
50) Toluene-d8	10.571	98	692251	105.533	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 211.060%#			
62) 4-Bromofluorobenzene	12.853	95	254553	108.032	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 216.060%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	224175	101.828	ug/l	98
3) Chloromethane	2.359	50	193464	92.664	ug/l	97
4) Vinyl Chloride	2.512	62	211587	96.496	ug/l	98
5) Bromomethane	2.924	94	136772	86.512	ug/l	95
6) Chloroethane	3.101	64	140836	93.859	ug/l	99
7) Trichlorofluoromethane	3.489	101	302865	96.034	ug/l	98
8) Diethyl Ether	3.959	74	108523	100.546	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.365	101	181961	101.943	ug/l	98
10) Methyl Iodide	4.589	142	214305	117.107	ug/l	97
11) Tert butyl alcohol	5.524	59	181010	451.482	ug/l	99
12) 1,1-Dichloroethene	4.336	96	169392	97.582	ug/l	91
13) Acrolein	4.177	56	137594	475.353	ug/l	99
14) Allyl chloride	5.018	41	276706	102.234	ug/l	91
15) Acrylonitrile	5.718	53	425604	461.916	ug/l	99
16) Acetone	4.424	43	374671	446.442	ug/l	96
17) Carbon Disulfide	4.712	76	479944	92.526	ug/l	100
18) Methyl Acetate	5.024	43	197765	89.055	ug/l #	89
19) Methyl tert-butyl Ether	5.795	73	575792	96.158	ug/l	98
20) Methylene Chloride	5.277	84	184241	90.903	ug/l	85
21) trans-1,2-Dichloroethene	5.783	96	176920	94.061	ug/l	90
22) Diisopropyl ether	6.671	45	550894	97.289	ug/l #	94
23) Vinyl Acetate	6.600	43	2236112	497.274	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	330368	96.185	ug/l	99
25) 2-Butanone	7.483	43	584964	461.617	ug/l #	87
26) 2,2-Dichloropropane	7.489	77	319484	100.042	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	213265	96.849	ug/l	90
28) Bromochloromethane	7.812	49	127358	86.434	ug/l #	79
29) Tetrahydrofuran	7.841	42	371683	465.900	ug/l #	84
30) Chloroform	7.965	83	344230	94.470	ug/l	99
31) Cyclohexane	8.253	56	285847	91.724	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	327909	96.926	ug/l	96
36) 1,1-Dichloropropene	8.371	75	251097	102.546	ug/l	98
37) Ethyl Acetate	7.559	43	232750	93.364	ug/l #	92
38) Carbon Tetrachloride	8.365	117	297355	100.859	ug/l	97
39) Methylcyclohexane	9.600	83	287011	108.512	ug/l	92
40) Benzene	8.606	78	746736	99.141	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	130837	97.418	ug/l	92
42) 1,2-Dichloroethane	8.671	62	268937	99.182	ug/l	97
43) Isopropyl Acetate	8.688	43	456602	100.046	ug/l #	95
44) Trichloroethene	9.353	130	190789	98.870	ug/l	99
45) 1,2-Dichloropropane	9.624	63	178056	101.257	ug/l	97
46) Dibromomethane	9.712	93	137322	100.240	ug/l	96
47) Bromodichloromethane	9.888	83	283175	100.041	ug/l	100
48) Methyl methacrylate	9.683	41	194887	99.700	ug/l #	87
49) 1,4-Dioxane	9.700	88	83025	1991.628	ug/l #	91
51) 4-Methyl-2-Pentanone	10.447	43	1218194	492.908	ug/l	92
52) Toluene	10.630	92	486911	103.486	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	307694	105.519	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	318526	103.198	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	175030	101.165	ug/l	97
56) Ethyl methacrylate	10.877	69	298342	110.836	ug/l	86
57) 1,3-Dichloropropane	11.165	76	304772	99.515	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	774051	560.414	ug/l	94
59) 2-Hexanone	11.200	43	943309	513.372	ug/l	91
60) Dibromochloromethane	11.365	129	226293	102.691	ug/l	98
61) 1,2-Dibromoethane	11.471	107	185817	101.133	ug/l	97
64) Tetrachloroethene	11.106	164	186469	98.837	ug/l	97
65) Chlorobenzene	11.894	112	531983	98.175	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	190259	98.711	ug/l	100
67) Ethyl Benzene	11.965	91	948093	104.103	ug/l	97
68) m/p-Xylenes	12.071	106	740222	215.285	ug/l	96
69) o-Xylene	12.400	106	351703	106.753	ug/l	96
70) Styrene	12.412	104	607659	111.629	ug/l	99
71) Bromoform	12.582	173	161030	106.234	ug/l #	99
73) Isopropylbenzene	12.694	105	911755	101.275	ug/l	99
74) N-amyl acetate	12.494	43	378542	101.653	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	240715	89.278	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	198609m	81.041	ug/l	
77) Bromobenzene	12.982	156	222012	95.590	ug/l	93
78) n-propylbenzene	13.035	91	1059303	102.337	ug/l	98
79) 2-Chlorotoluene	13.129	91	641186	97.219	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	756363	103.937	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	105277	96.932	ug/l	91
82) 4-Chlorotoluene	13.223	91	646816	99.083	ug/l	97
83) tert-Butylbenzene	13.441	119	647370	100.344	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	770478	103.879	ug/l	99
85) sec-Butylbenzene	13.618	105	904225	103.717	ug/l	98
86) p-Isopropyltoluene	13.729	119	776569	106.762	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	412668	98.356	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	404769	96.136	ug/l	100
89) n-Butylbenzene	14.059	91	666661	106.980	ug/l	98
90) Hexachloroethane	14.335	117	149483	97.123	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	382528	93.902	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	56255	90.185	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	225354	102.700	ug/l	99
94) Hexachlorobutadiene	15.506	225	92807	95.406	ug/l	98
95) Naphthalene	15.641	128	758751	100.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	222840	98.769	ug/l	98

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

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