

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041524\
 Data File : VN081734.D
 Acq On : 15 Apr 2024 12:35
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/15/2024
 Supervised By : Semsettin Yesilyurt 04/16/2024

Quant Time: Apr 15 15:13:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:10:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	269011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	470602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	430950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	199575	52.722	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.440%			
35) Dibromofluoromethane	8.165	113	165021	53.102	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.200%			
50) Toluene-d8	10.571	98	626596	54.733	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.460%			
62) 4-Bromofluorobenzene	12.853	95	215067	54.974	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	174927	51.346	ug/l	100
3) Chloromethane	2.359	50	161706	56.474	ug/l	100
4) Vinyl Chloride	2.512	62	198944	47.714	ug/l	100
5) Bromomethane	2.948	94	120637	47.886	ug/l	100
6) Chloroethane	3.124	64	135059	54.482	ug/l	100
7) Trichlorofluoromethane	3.495	101	271502	50.424	ug/l	100
8) Diethyl Ether	3.959	74	91083	48.190	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	148045	43.899	ug/l	100
10) Methyl Iodide	4.589	142	106002	58.562	ug/l	100
11) Tert butyl alcohol	5.512	59	132720	257.026	ug/l	100
12) 1,1-Dichloroethene	4.336	96	148370	46.421	ug/l	100
13) Acrolein	4.177	56	133824	243.789	ug/l	100
14) Allyl chloride	5.024	41	189358	46.400	ug/l	100
15) Acrylonitrile	5.718	53	359792	252.480	ug/l	100
16) Acetone	4.424	43	253282	240.402	ug/l	100
17) Carbon Disulfide	4.712	76	425246	45.776	ug/l	100
18) Methyl Acetate	5.024	43	140761	47.767	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	492595	52.952	ug/l	100
20) Methylene Chloride	5.277	84	168711	54.322	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	164089	51.115	ug/l	100
22) Diisopropyl ether	6.671	45	466014	52.794	ug/l	100
23) Vinyl Acetate	6.600	43	1883271	273.325	ug/l	100
24) 1,1-Dichloroethane	6.571	63	289654	49.874	ug/l	100
25) 2-Butanone	7.483	43	433437	249.553	ug/l	100
26) 2,2-Dichloropropane	7.488	77	256715	50.707	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	198233	50.479	ug/l	100
28) Bromochloromethane	7.812	49	121608	49.044	ug/l	100
29) Tetrahydrofuran	7.841	42	306392	272.666	ug/l	100
30) Chloroform	7.965	83	320898	48.727	ug/l	100
31) Cyclohexane	8.259	56	242642	46.726	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	288890	49.469	ug/l	100
36) 1,1-Dichloropropene	8.377	75	215350	49.738	ug/l	100
37) Ethyl Acetate	7.553	43	195610	54.981	ug/l	100
38) Carbon Tetrachloride	8.365	117	251647	49.957	ug/l	100
39) Methylcyclohexane	9.600	83	259338	50.843	ug/l	100
40) Benzene	8.606	78	680620	50.465	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	102749	53.201	ug/l	100
42) 1,2-Dichloroethane	8.671	62	232742	49.504	ug/l	100
43) Isopropyl Acetate	8.688	43	330970	49.863	ug/l	100
44) Trichloroethene	9.353	130	176525	50.330	ug/l	100
45) 1,2-Dichloropropane	9.624	63	164161	52.793	ug/l	100
46) Dibromomethane	9.712	93	128943	49.683	ug/l	100
47) Bromodichloromethane	9.888	83	253241	51.080	ug/l	100
48) Methyl methacrylate	9.682	41	147696	54.595	ug/l	100
49) 1,4-Dioxane	9.700	88	69122	1018.738	ug/l	100
51) 4-Methyl-2-Pentanone	10.447	43	993260	269.043	ug/l	100
52) Toluene	10.629	92	452018	52.763	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	264632	53.584	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	278075	52.856	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	165057	51.288	ug/l	100
56) Ethyl methacrylate	10.877	69	256444	57.914	ug/l	100
57) 1,3-Dichloropropane	11.165	76	282214	52.390	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	653598	278.964	ug/l	100
59) 2-Hexanone	11.194	43	748451	280.051	ug/l	100
60) Dibromochloromethane	11.359	129	209197	53.781	ug/l	100
61) 1,2-Dibromoethane	11.471	107	175073	52.152	ug/l	100
64) Tetrachloroethene	11.106	164	177642	48.585	ug/l	100
65) Chlorobenzene	11.894	112	491435	49.559	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	175792	51.966	ug/l	100
67) Ethyl Benzene	11.965	91	834932	53.490	ug/l	100
68) m/p-Xylenes	12.071	106	664781	109.524	ug/l	100
69) o-Xylene	12.400	106	320235	55.053	ug/l	100
70) Styrene	12.412	104	544557	57.143	ug/l	100
71) Bromoform	12.582	173	137754	52.774	ug/l #	100
73) Isopropylbenzene	12.700	105	812391	51.990	ug/l	100
74) N-amyl acetate	12.494	43	297186	52.257	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	211726	46.119	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	200942m	46.694	ug/l	
77) Bromobenzene	12.982	156	200480	50.324	ug/l	100
78) n-propylbenzene	13.035	91	951863	52.495	ug/l	100
79) 2-Chlorotoluene	13.123	91	561883	49.713	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	692034	54.215	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	95699	59.209	ug/l	90
82) 4-Chlorotoluene	13.223	91	567203	50.799	ug/l	100
83) tert-Butylbenzene	13.441	119	593593	53.094	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	698795	54.273	ug/l	100
85) sec-Butylbenzene	13.618	105	835515	53.555	ug/l	100
86) p-Isopropyltoluene	13.729	119	707485	55.327	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	369930	49.682	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	374336	50.347	ug/l	100
89) n-Butylbenzene	14.059	91	591085	52.868	ug/l	100
90) Hexachloroethane	14.335	117	130771	48.041	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	359975	49.950	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	46602	54.883	ug/l	100
93) 1,2,4-Trichlorobenzene	15.394	180	201787	53.153	ug/l	100
94) Hexachlorobutadiene	15.506	225	76747	46.897	ug/l	100
95) Naphthalene	15.641	128	691583	57.019	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	204875	52.783	ug/l	100

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

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