

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122723\
 Data File : VN080595.D
 Acq On : 27 Dec 2023 11:48
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2023
 Supervised By : Semsettin Yesilyurt 01/01/2024

Quant Time: Dec 28 02:25:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 01:54:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	447260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	794575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	662686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	298927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	326359	56.886	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.780%			
35) Dibromofluoromethane	8.165	113	250514	48.748	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.500%			
50) Toluene-d8	10.570	98	967109	53.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.800%			
62) 4-Bromofluorobenzene	12.853	95	339444	56.212	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	247443	49.804	ug/l	99
3) Chloromethane	2.359	50	291994	52.560	ug/l	98
4) Vinyl Chloride	2.512	62	273536	49.474	ug/l	100
5) Bromomethane	2.947	94	97226	46.276	ug/l	94
6) Chloroethane	3.118	64	169014	48.963	ug/l	100
7) Trichlorofluoromethane	3.494	101	401253	50.826	ug/l	99
8) Diethyl Ether	3.959	74	149031	54.970	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.371	101	217639	50.502	ug/l	97
10) Methyl Iodide	4.589	142	162004	54.411	ug/l	99
11) Tert butyl alcohol	5.518	59	188264	243.918	ug/l	100
12) 1,1-Dichloroethene	4.336	96	215756	52.196	ug/l	91
13) Acrolein	4.177	56	234536	268.759	ug/l	96
14) Allyl chloride	5.024	41	305704	48.714	ug/l	94
15) Acrylonitrile	5.718	53	646316	293.598	ug/l	99
16) Acetone	4.424	43	405578	260.064	ug/l	98
17) Carbon Disulfide	4.712	76	538329	48.429	ug/l	99
18) Methyl Acetate	5.018	43	454541	52.571	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	828157	55.649	ug/l	96
20) Methylene Chloride	5.271	84	250100	50.260	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	252699	50.596	ug/l #	79
22) Diisopropyl ether	6.671	45	821448	58.931	ug/l #	88
23) Vinyl Acetate	6.600	43	2196182	280.371	ug/l #	89
24) 1,1-Dichloroethane	6.571	63	470887	50.400	ug/l	99
25) 2-Butanone	7.482	43	793622	272.271	ug/l #	87
26) 2,2-Dichloropropane	7.488	77	439069	53.987	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	321433	54.109	ug/l	91
28) Bromochloromethane	7.818	49	207056	47.663	ug/l	86
29) Tetrahydrofuran	7.841	42	505132	265.726	ug/l #	83
30) Chloroform	7.965	83	439777	46.884	ug/l	96
31) Cyclohexane	8.259	56	381828	49.191	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	413590	48.900	ug/l	99
36) 1,1-Dichloropropene	8.377	75	370466	46.841	ug/l	97
37) Ethyl Acetate	7.559	43	301413	50.506	ug/l	96
38) Carbon Tetrachloride	8.365	117	372668	46.059	ug/l	96
39) Methylcyclohexane	9.606	83	376702	58.071	ug/l #	90
40) Benzene	8.606	78	1171582	50.793	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	165671	45.576	ug/l	89
42) 1,2-Dichloroethane	8.671	62	368289	50.257	ug/l	99
43) Isopropyl Acetate	8.694	43	534228	55.229	ug/l	98
44) Trichloroethene	9.353	130	292982	49.626	ug/l	95
45) 1,2-Dichloropropane	9.623	63	308311	57.359	ug/l	98
46) Dibromomethane	9.712	93	193899	53.616	ug/l	90
47) Bromodichloromethane	9.888	83	374796	49.442	ug/l	94
48) Methyl methacrylate	9.682	41	312209	58.130	ug/l #	83
49) 1,4-Dioxane	9.694	88	91141	1061.685	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	1501572	272.931	ug/l	94
52) Toluene	10.629	92	653647	51.979	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	405380	53.044	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	443708	51.876	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	259822	52.088	ug/l	99
56) Ethyl methacrylate	10.876	69	282443	57.807	ug/l #	88
57) 1,3-Dichloropropane	11.165	76	440847	52.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1053987	305.470	ug/l	94
59) 2-Hexanone	11.194	43	1120450	270.211	ug/l	95
60) Dibromochloromethane	11.359	129	288341	51.911	ug/l	99
61) 1,2-Dibromoethane	11.470	107	260043	51.704	ug/l	98
64) Tetrachloroethene	11.106	164	220047	49.693	ug/l	97
65) Chlorobenzene	11.894	112	685419	49.719	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.964	131	267777	50.497	ug/l	97
67) Ethyl Benzene	11.964	91	1200656	52.095	ug/l	99
68) m/p-Xylenes	12.070	106	918055	107.354	ug/l	98
69) o-Xylene	12.400	106	446345	53.143	ug/l	98
70) Styrene	12.412	104	668251	54.713	ug/l	99
71) Bromoform	12.582	173	190048	50.663	ug/l #	100
73) Isopropylbenzene	12.700	105	1120290	54.756	ug/l	99
74) N-amyl acetate	12.494	43	410327	56.848	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	348919	49.418	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	318302m	49.507	ug/l	
77) Bromobenzene	12.982	156	280465	51.613	ug/l	97
78) n-propylbenzene	13.035	91	1271700	54.353	ug/l	100
79) 2-Chlorotoluene	13.129	91	787804	51.577	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	926417	53.625	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	130607	55.025	ug/l	92
82) 4-Chlorotoluene	13.223	91	803556	51.442	ug/l	100
83) tert-Butylbenzene	13.441	119	768722	53.240	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	942105	53.857	ug/l	100
85) sec-Butylbenzene	13.617	105	1031233	53.971	ug/l	99
86) p-Isopropyltoluene	13.729	119	911683	50.087	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	487053	49.733	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	482412	49.003	ug/l	99
89) n-Butylbenzene	14.058	91	780002	54.623	ug/l	100
90) Hexachloroethane	14.335	117	150503	50.460	ug/l	84
91) 1,2-Dichlorobenzene	14.106	146	463630	49.049	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	68639	47.102	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	261702	52.475	ug/l	97
94) Hexachlorobutadiene	15.505	225	119769	46.536	ug/l	98
95) Naphthalene	15.641	128	863861	55.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	254178	50.415	ug/l	98

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

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