

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080354.D
 Acq On : 05 Dec 2023 10:05
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/06/2023
 Supervised By : Mahesh Dadoda 12/06/2023

Quant Time: Dec 06 00:46:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	212624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	165776	47.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.440%		
35) Dibromofluoromethane	8.165	113	123891	52.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.680%		
50) Toluene-d8	10.565	98	420365	49.263	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.520%		
62) 4-Bromofluorobenzene	12.847	95	164824	51.138	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	158233	49.960	ug/l	98
3) Chloromethane	2.359	50	104485	43.879	ug/l	99
4) Vinyl Chloride	2.512	62	120375	47.769	ug/l	97
5) Bromomethane	2.948	94	80270	46.922	ug/l	98
6) Chloroethane	3.118	64	76012	48.735	ug/l	98
7) Trichlorofluoromethane	3.495	101	273535	52.035	ug/l	99
8) Diethyl Ether	3.959	74	75983	49.702	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	123681	51.476	ug/l	95
10) Methyl Iodide	4.589	142	141901	54.648	ug/l #	85
11) Tert butyl alcohol	5.518	59	90255	233.776	ug/l	97
12) 1,1-Dichloroethene	4.342	96	113756	50.619	ug/l #	82
13) Acrolein	4.177	56	92516	270.775	ug/l	96
14) Allyl chloride	5.024	41	127162	44.975	ug/l	88
15) Acrylonitrile	5.706	53	238760	230.368	ug/l	99
16) Acetone	4.418	43	291647	247.330	ug/l	94
17) Carbon Disulfide	4.712	76	308603	45.991	ug/l	100
18) Methyl Acetate	5.018	43	167900	44.316	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	410349	51.706	ug/l	99
20) Methylene Chloride	5.271	84	129531	52.455	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	126073	51.066	ug/l #	82
22) Diisopropyl ether	6.671	45	307176	49.105	ug/l	98
23) Vinyl Acetate	6.600	43	902006	239.849	ug/l	96
24) 1,1-Dichloroethane	6.565	63	222864	48.915	ug/l	99
25) 2-Butanone	7.483	43	314266	224.315	ug/l	95
26) 2,2-Dichloropropane	7.488	77	242549	53.659	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	144880	51.760	ug/l	89
28) Bromochloromethane	7.812	49	79367	44.310	ug/l	97
29) Tetrahydrofuran	7.836	42	165007	219.376	ug/l	98
30) Chloroform	7.959	83	267080	52.447	ug/l	93
31) Cyclohexane	8.253	56	167117	43.771	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	263590	53.077	ug/l	96
36) 1,1-Dichloropropene	8.371	75	188926	55.126	ug/l	95
37) Ethyl Acetate	7.559	43	116399	48.965	ug/l	98
38) Carbon Tetrachloride	8.359	117	250533	57.606	ug/l	97
39) Methylcyclohexane	9.600	83	174511	52.810	ug/l	92
40) Benzene	8.606	78	514992	52.872	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	63503	48.643	ug/l	93
42) 1,2-Dichloroethane	8.671	62	223388	56.057	ug/l	95
43) Isopropyl Acetate	8.688	43	207419	44.838	ug/l	98
44) Trichloroethene	9.353	130	141861	55.522	ug/l	97
45) 1,2-Dichloropropane	9.624	63	118287	52.256	ug/l	98
46) Dibromomethane	9.706	93	92544	54.010	ug/l #	88
47) Bromodichloromethane	9.888	83	214217	56.834	ug/l	95
48) Methyl methacrylate	9.682	41	119614	50.175	ug/l	94
49) 1,4-Dioxane	9.694	88	38055	959.537	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	589360	246.081	ug/l	98
52) Toluene	10.629	92	337067	55.295	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	215508	55.651	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	224229	56.676	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	127602	54.846	ug/l	97
56) Ethyl methacrylate	10.877	69	132108	55.583	ug/l	94
57) 1,3-Dichloropropane	11.165	76	220388	54.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	328192	245.100	ug/l	100
59) 2-Hexanone	11.194	43	467225	242.777	ug/l	97
60) Dibromochloromethane	11.359	129	161870	58.114	ug/l	98
61) 1,2-Dibromoethane	11.471	107	127784	53.838	ug/l	96
64) Tetrachloroethene	11.106	164	129336	58.100	ug/l	99
65) Chlorobenzene	11.894	112	356863	53.992	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	150720	58.762	ug/l	94
67) Ethyl Benzene	11.965	91	659625	56.084	ug/l	96
68) m/p-Xylenes	12.071	106	491448	114.603	ug/l	87
69) o-Xylene	12.400	106	236519	58.525	ug/l	88
70) Styrene	12.412	104	349502	58.104	ug/l	92
71) Bromoform	12.576	173	109480	57.557	ug/l #	99
73) Isopropylbenzene	12.700	105	619617	53.926	ug/l	99
74) N-amyl acetate	12.494	43	163181	45.541	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	157241	45.723	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	174266m	48.101	ug/l	
77) Bromobenzene	12.982	156	155047	53.522	ug/l	93
78) n-propylbenzene	13.035	91	690316	53.727	ug/l	100
79) 2-Chlorotoluene	13.123	91	441810	52.943	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	541933	54.182	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	51237	47.782	ug/l #	82
82) 4-Chlorotoluene	13.223	91	454108	53.118	ug/l	97
83) tert-Butylbenzene	13.441	119	428515	53.424	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	548998	55.742	ug/l	95
85) sec-Butylbenzene	13.618	105	557022	54.897	ug/l	99
86) p-Isopropyltoluene	13.729	119	507032	55.938	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	271353	51.991	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	268736	51.235	ug/l	97
89) n-Butylbenzene	14.059	91	410626	54.125	ug/l	100
90) Hexachloroethane	14.335	117	90136	51.009	ug/l	71
91) 1,2-Dichlorobenzene	14.106	146	260570	52.171	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	36600	45.820	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	136733	47.070	ug/l	97
94) Hexachlorobutadiene	15.506	225	81560	48.790	ug/l	99
95) Naphthalene	15.641	128	369948	43.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	131575	48.324	ug/l	99

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

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