

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
 Data File : VN080130.D
 Acq On : 16 Nov 2023 11:58
 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 11/17/2023
 Supervised By : Mahesh Dadoda 11/17/2023

Quant Time: Nov 17 01:05:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 00:59:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	259344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	405554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	365294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	177278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	197501	46.122	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.240%		
35) Dibromofluoromethane	8.165	113	139700	46.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.360%		
50) Toluene-d8	10.565	98	528324	48.977	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.960%		
62) 4-Bromofluorobenzene	12.847	95	198318	48.673	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	192739	49.892	ug/l	98
3) Chloromethane	2.359	50	141030	48.557	ug/l	99
4) Vinyl Chloride	2.512	62	151111	49.163	ug/l	97
5) Bromomethane	2.948	94	98276	47.099	ug/l	96
6) Chloroethane	3.118	64	95400	50.229	ug/l	98
7) Trichlorofluoromethane	3.495	101	319095	49.767	ug/l	100
8) Diethyl Ether	3.959	74	91549	49.096	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	143026	48.804	ug/l	95
10) Methyl Iodide	4.589	142	168079	53.069	ug/l	89
11) Tert butyl alcohol	5.518	59	116717	247.856	ug/l	100
12) 1,1-Dichloroethene	4.342	96	134917	49.220	ug/l #	84
13) Acrolein	4.177	56	95351	228.799	ug/l	100
14) Allyl chloride	5.024	41	174257	50.529	ug/l	94
15) Acrylonitrile	5.718	53	309418	244.761	ug/l	99
16) Acetone	4.424	43	309975	215.518	ug/l	96
17) Carbon Disulfide	4.712	76	387657	47.364	ug/l	99
18) Methyl Acetate	5.018	43	211262	45.716	ug/l	93
19) Methyl tert-butyl Ether	5.795	73	487647	50.376	ug/l	97
20) Methylene Chloride	5.277	84	150470	49.957	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	147219	48.889	ug/l #	77
22) Diisopropyl ether	6.671	45	384607	50.407	ug/l	96
23) Vinyl Acetate	6.600	43	1185496	258.465	ug/l #	92
24) 1,1-Dichloroethane	6.565	63	262948	47.316	ug/l	99
25) 2-Butanone	7.483	43	392393	229.624	ug/l	89
26) 2,2-Dichloropropane	7.489	77	276778	50.200	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	166948	48.900	ug/l	87
28) Bromochloromethane	7.818	49	101488	46.453	ug/l	95
29) Tetrahydrofuran	7.836	42	233169	254.153	ug/l	90
30) Chloroform	7.971	83	303736	48.900	ug/l	93
31) Cyclohexane	8.259	56	223367	47.964	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	301613	49.792	ug/l	98
36) 1,1-Dichloropropene	8.377	75	220547	50.905	ug/l	96
37) Ethyl Acetate	7.559	43	149381	49.708	ug/l	97
38) Carbon Tetrachloride	8.365	117	279078	50.760	ug/l	98
39) Methylcyclohexane	9.600	83	225108	53.887	ug/l	90
40) Benzene	8.606	78	605502	49.174	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	84056	50.932	ug/l	92
42) 1,2-Dichloroethane	8.671	62	253720	50.364	ug/l	94
43) Isopropyl Acetate	8.688	43	271788	46.475	ug/l	97
44) Trichloroethene	9.353	130	157862	48.874	ug/l	100
45) 1,2-Dichloropropane	9.624	63	142418	49.770	ug/l	96
46) Dibromomethane	9.712	93	107615	49.681	ug/l	91
47) Bromodichloromethane	9.888	83	241277	50.637	ug/l	97
48) Methyl methacrylate	9.683	41	155692	51.661	ug/l	90
49) 1,4-Dioxane	9.694	88	47510	947.617	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	772650	255.199	ug/l	98
52) Toluene	10.630	92	391801	50.844	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	254303	51.947	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	262905	52.566	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	143535	48.802	ug/l	99
56) Ethyl methacrylate	10.877	69	167700	55.814	ug/l	93
57) 1,3-Dichloropropane	11.165	76	256086	49.870	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	412422	243.644	ug/l	96
59) 2-Hexanone	11.194	43	599402	246.375	ug/l	96
60) Dibromochloromethane	11.359	129	179814	51.066	ug/l	98
61) 1,2-Dibromoethane	11.471	107	149073	49.683	ug/l	98
64) Tetrachloroethene	11.106	164	135307	48.535	ug/l	95
65) Chlorobenzene	11.894	112	406478	49.107	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	165091	51.396	ug/l	94
67) Ethyl Benzene	11.965	91	757484	51.428	ug/l	97
68) m/p-Xylenes	12.071	106	561607	104.577	ug/l	88
69) o-Xylene	12.400	106	266663	52.689	ug/l	86
70) Styrene	12.412	104	402334	53.410	ug/l	93
71) Bromoform	12.582	173	119415	50.131	ug/l #	100
73) Isopropylbenzene	12.700	105	718602	52.164	ug/l	99
74) N-amyl acetate	12.494	43	222605	51.818	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	193514	46.935	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	212722m	49.214	ug/l	
77) Bromobenzene	12.982	156	171980	49.517	ug/l	98
78) n-propylbenzene	13.035	91	813609	52.816	ug/l	98
79) 2-Chlorotoluene	13.123	91	507806	50.755	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	620887	51.776	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	65975	51.317	ug/l #	86
82) 4-Chlorotoluene	13.223	91	516880	50.429	ug/l	97
83) tert-Butylbenzene	13.441	119	509976	53.031	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	620982	52.590	ug/l	96
85) sec-Butylbenzene	13.618	105	650178	53.446	ug/l	100
86) p-Isopropyltoluene	13.729	119	586497	53.969	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	302584	48.355	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	299382	47.608	ug/l	97
89) n-Butylbenzene	14.059	91	496281	54.561	ug/l	100
90) Hexachloroethane	14.335	117	106152	50.105	ug/l	73
91) 1,2-Dichlorobenzene	14.106	146	293914	49.083	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	44978	46.966	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	167789	48.178	ug/l	96
94) Hexachlorobutadiene	15.500	225	93095	46.450	ug/l	100
95) Naphthalene	15.641	128	496803	49.192	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	160032	49.024	ug/l	97

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

