

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110723\
 Data File : VN079983.D
 Acq On : 07 Nov 2023 22:33
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/08/2023
 Supervised By : Mahesh Dadoda 11/08/2023

Quant Time: Nov 08 04:39:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	339393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	599071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	551684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	258632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	304435	58.876	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.760%			
35) Dibromofluoromethane	8.171	113	238784	56.317	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.640%			
50) Toluene-d8	10.571	98	879538	56.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.700%			
62) 4-Bromofluorobenzene	12.853	95	319461	61.711	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 123.420%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	198822	48.635	ug/l	97
3) Chloromethane	2.359	50	251162	49.357	ug/l	98
4) Vinyl Chloride	2.512	62	266411	49.785	ug/l	99
5) Bromomethane	2.942	94	163030	50.141	ug/l	99
6) Chloroethane	3.112	64	131952	31.207	ug/l	99
7) Trichlorofluoromethane	3.489	101	368449	55.358	ug/l	98
8) Diethyl Ether	3.959	74	134168	53.121	ug/l	66
9) 1,1,2-Trichlorotrifluo...	4.365	101	195010	50.542	ug/l	100
10) Methyl Iodide	4.589	142	234554	53.234	ug/l	99
11) Tert butyl alcohol	5.524	59	180285	273.131	ug/l	100
12) 1,1-Dichloroethene	4.336	96	186104	50.943	ug/l	85
13) Acrolein	4.177	56	137498	270.027	ug/l	99
14) Allyl chloride	5.024	41	306017	54.691	ug/l #	91
15) Acrylonitrile	5.724	53	599641	291.511	ug/l	99
16) Acetone	4.430	43	475386	261.736	ug/l	94
17) Carbon Disulfide	4.712	76	481449	45.689	ug/l	99
18) Methyl Acetate	5.024	43	513126	59.051	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	707514	56.253	ug/l	92
20) Methylene Chloride	5.277	84	234168	51.095	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	207378	50.898	ug/l #	75
22) Diisopropyl ether	6.677	45	784466	60.498	ug/l #	89
23) Vinyl Acetate	6.606	43	2018959	282.276	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	443296	56.247	ug/l	97
25) 2-Butanone	7.489	43	783347	294.526	ug/l #	81
26) 2,2-Dichloropropane	7.494	77	319551	49.026	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	259602	53.266	ug/l	86
28) Bromochloromethane	7.818	49	220012	57.283	ug/l #	75
29) Tetrahydrofuran	7.841	42	525780	303.845	ug/l #	76
30) Chloroform	7.971	83	459815	53.711	ug/l	92
31) Cyclohexane	8.259	56	345835	50.615	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	389527	55.843	ug/l	95
36) 1,1-Dichloropropene	8.377	75	329416	54.413	ug/l	95
37) Ethyl Acetate	7.565	43	329218	59.295	ug/l #	91
38) Carbon Tetrachloride	8.365	117	325860	53.408	ug/l	98
39) Methylcyclohexane	9.606	83	312143	54.787	ug/l #	85
40) Benzene	8.612	78	985116	54.328	ug/l	98

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41) Methacrylonitrile	7.783	41	175941	59.674	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	364105	57.486	ug/l	97
43) Isopropyl Acetate	8.694	43	553302	56.825	ug/l #	90
44) Trichloroethene	9.359	130	233543	51.904	ug/l	98
45) 1,2-Dichloropropane	9.624	63	269261	58.107	ug/l	96
46) Dibromomethane	9.712	93	172091	54.389	ug/l	94
47) Bromodichloromethane	9.894	83	362298	53.690	ug/l	97
48) Methyl methacrylate	9.683	41	267436	62.706	ug/l #	77
49) 1,4-Dioxane	9.694	88	89750	1190.946	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1707933	311.564	ug/l	90
52) Toluene	10.635	92	605278	56.306	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	375107	56.704	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	405615	56.254	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	243836	56.395	ug/l	95
56) Ethyl methacrylate	10.877	69	374542	60.730	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	433431	56.871	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	883802	282.740	ug/l	89
59) 2-Hexanone	11.200	43	1220398	291.016	ug/l	90
60) Dibromochloromethane	11.365	129	256835	55.494	ug/l	99
61) 1,2-Dibromoethane	11.477	107	242355	55.846	ug/l	97
64) Tetrachloroethene	11.106	164	195273	54.652	ug/l	99
65) Chlorobenzene	11.894	112	633443	52.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	238675	55.356	ug/l	97
67) Ethyl Benzene	11.965	91	1166704	55.958	ug/l	94
68) m/p-Xylenes	12.076	106	870901	112.130	ug/l	93
69) o-Xylene	12.400	106	425876	56.942	ug/l	92
70) Styrene	12.418	104	712759	59.300	ug/l	96
71) Bromoform	12.582	173	176568	57.672	ug/l #	99
73) Isopropylbenzene	12.700	105	1072023	54.615	ug/l	99
74) N-amyl acetate	12.500	43	458813	53.552	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	366834	52.710	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	290501m	47.843	ug/l	
77) Bromobenzene	12.982	156	255427	53.152	ug/l	92
78) n-propylbenzene	13.041	91	1259296	56.024	ug/l	98
79) 2-Chlorotoluene	13.129	91	798111	55.581	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	889217	58.227	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	108279	48.519	ug/l #	84
82) 4-Chlorotoluene	13.223	91	791738	55.486	ug/l	98
83) tert-Butylbenzene	13.441	119	717956	57.434	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	893566	59.471	ug/l	99
85) sec-Butylbenzene	13.618	105	1023156	59.077	ug/l	100
86) p-Isopropyltoluene	13.735	119	844495	59.807	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	467674	52.314	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	461221	50.828	ug/l	99
89) n-Butylbenzene	14.059	91	719369	59.150	ug/l	99
90) Hexachloroethane	14.335	117	155334	55.547	ug/l	87
91) 1,2-Dichlorobenzene	14.112	146	456210	54.058	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	67003	56.772	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	225110	56.099	ug/l	98
94) Hexachlorobutadiene	15.506	225	102817	56.522	ug/l	100
95) Naphthalene	15.647	128	726373	53.378	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	218031	55.430	ug/l	97

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

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