

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080475.D
 Acq On : 13 Dec 2023 20:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 04:13:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	265156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	422921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	376016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	173705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	193685	57.191	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.380%			
35) Dibromofluoromethane	8.165	113	149901	55.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.800%			
50) Toluene-d8	10.571	98	526516	52.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.853	95	194612	51.248	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	166628	49.175	ug/l	99
3) Chloromethane	2.365	50	146836	40.985	ug/l	96
4) Vinyl Chloride	2.518	62	128425	44.379	ug/l	99
5) Bromomethane	2.959	94	55612	42.625	ug/l	98
6) Chloroethane	3.124	64	84960	45.690	ug/l	99
7) Trichlorofluoromethane	3.500	101	288261	49.113	ug/l	97
8) Diethyl Ether	3.959	74	89398	48.357	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	132669	47.689	ug/l	95
10) Methyl Iodide	4.589	142	91568	37.421	ug/l #	86
11) Tert butyl alcohol	5.512	59	86837	217.716	ug/l	99
12) 1,1-Dichloroethene	4.336	96	129464	45.418	ug/l	90
13) Acrolein	4.177	56	95084	217.683	ug/l	97
14) Allyl chloride	5.018	41	158066	44.819	ug/l	95
15) Acrylonitrile	5.712	53	280453	248.853	ug/l	100
16) Acetone	4.418	43	223308	371.875	ug/l	96
17) Carbon Disulfide	4.712	76	349228	43.230	ug/l	99
18) Methyl Acetate	5.018	43	193356	50.042	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	481379	50.617	ug/l	96
20) Methylene Chloride	5.271	84	149755	46.600	ug/l	95
21) trans-1,2-Dichloroethene	5.788	96	144239	46.667	ug/l #	82
22) Diisopropyl ether	6.671	45	371450	48.799	ug/l	98
23) Vinyl Acetate	6.600	43	1053379	240.952	ug/l	95
24) 1,1-Dichloroethane	6.571	63	262505	49.429	ug/l	98
25) 2-Butanone	7.477	43	313706	271.185	ug/l	91
26) 2,2-Dichloropropane	7.488	77	243855	44.905	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	168963	48.295	ug/l	93
28) Bromochloromethane	7.812	49	96779	47.463	ug/l	98
29) Tetrahydrofuran	7.835	42	198259	239.339	ug/l	95
30) Chloroform	7.965	83	299651	50.832	ug/l	94
31) Cyclohexane	8.259	56	199758	43.374	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	282764	48.991	ug/l	96
36) 1,1-Dichloropropene	8.371	75	203545	46.425	ug/l	97
37) Ethyl Acetate	7.559	43	131410	47.863	ug/l	98
38) Carbon Tetrachloride	8.365	117	257178	49.090	ug/l	95
39) Methylcyclohexane	9.606	83	202792	44.524	ug/l	89
40) Benzene	8.606	78	592542	46.802	ug/l	99

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41) Methacrylonitrile	7.777	41	79212	50.045	ug/l	95
42) 1,2-Dichloroethane	8.671	62	241608	51.534	ug/l	96
43) Isopropyl Acetate	8.688	43	234980	47.600	ug/l	98
44) Trichloroethene	9.353	130	155101	45.442	ug/l	99
45) 1,2-Dichloropropane	9.624	63	140967	47.406	ug/l	98
46) Dibromomethane	9.712	93	104458	48.916	ug/l	90
47) Bromodichloromethane	9.888	83	233692	51.062	ug/l	95
48) Methyl methacrylate	9.682	41	141963	48.190	ug/l	92
49) 1,4-Dioxane	9.694	88	39768	890.623	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	669853	246.382	ug/l	100
52) Toluene	10.629	92	379706	47.474	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	242273	48.927	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	251664	47.550	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	142689	49.581	ug/l	98
56) Ethyl methacrylate	10.876	69	156078	48.985	ug/l	93
57) 1,3-Dichloropropane	11.165	76	249179	49.392	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	471697	234.503	ug/l	100
59) 2-Hexanone	11.194	43	488832	243.550	ug/l	98
60) Dibromochloromethane	11.359	129	171396	50.260	ug/l	100
61) 1,2-Dibromoethane	11.470	107	143368	48.133	ug/l	99
64) Tetrachloroethene	11.106	164	132750	45.726	ug/l	98
65) Chlorobenzene	11.894	112	395765	47.314	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	158452	48.277	ug/l	94
67) Ethyl Benzene	11.965	91	722198	46.956	ug/l	96
68) m/p-Xylenes	12.070	106	533317	93.838	ug/l	89
69) o-Xylene	12.400	106	260482	46.858	ug/l	89
70) Styrene	12.412	104	388341	48.498	ug/l	93
71) Bromoform	12.582	173	114005	47.632	ug/l #	99
73) Isopropylbenzene	12.694	105	683635	48.992	ug/l	98
74) N-amyl acetate	12.494	43	195701	48.026	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	179784	48.081	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	168789m	48.708	ug/l	
77) Bromobenzene	12.982	156	164207	47.836	ug/l	95
78) n-propylbenzene	13.035	91	749815	48.736	ug/l	99
79) 2-Chlorotoluene	13.129	91	480577	47.845	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	590867	49.165	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	67182	50.902	ug/l	90
82) 4-Chlorotoluene	13.223	91	484340	46.912	ug/l	97
83) tert-Butylbenzene	13.441	119	477980	48.564	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	589845	49.335	ug/l	96
85) sec-Butylbenzene	13.617	105	602505	47.854	ug/l	99
86) p-Isopropyltoluene	13.729	119	549726	48.356	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	280182	46.326	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	278822	45.670	ug/l	97
89) n-Butylbenzene	14.059	91	446911	47.075	ug/l	99
90) Hexachloroethane	14.335	117	85100	47.136	ug/l	68
91) 1,2-Dichlorobenzene	14.106	146	266585	46.418	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38990	49.574	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	158194	49.611	ug/l	98
94) Hexachlorobutadiene	15.506	225	80015	44.078	ug/l	98
95) Naphthalene	15.641	128	482702	49.852	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	150371	48.869	ug/l	98

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

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