

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090123\
 Data File : VN079117.D
 Acq On : 01 Sep 2023 12:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 01 23:09:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/02/2023
 Supervised By : Semsettin Yesilyurt 09/04/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	252750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	422493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	379732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	169435	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	183569	46.674	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.340%
35) Dibromofluoromethane	8.171	113	158577	55.758	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.520%
50) Toluene-d8	10.571	98	556244	52.675	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.340%
62) 4-Bromofluorobenzene	12.853	95	204943	59.375	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.760%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	165356	47.150	ug/l	98
3) Chloromethane	2.365	50	195399	39.906	ug/l	100
4) Vinyl Chloride	2.518	62	233383	54.349	ug/l	96
5) Bromomethane	2.942	94	86000	34.882	ug/l	97
6) Chloroethane	3.118	64	89778	29.907	ug/l	94
7) Trichlorofluoromethane	3.500	101	266980	51.045	ug/l	100
8) Diethyl Ether	3.965	74	101289	51.084	ug/l	70
9) 1,1,2-Trichlorotrifluo...	4.371	101	146750	52.681	ug/l	97
10) Methyl Iodide	4.589	142	191006	61.285	ug/l	95
11) Tert butyl alcohol	5.524	59	131999	200.009	ug/l	99
12) 1,1-Dichloroethene	4.342	96	143360	52.833	ug/l #	84
13) Acrolein	4.183	56	82446	226.659	ug/l	98
14) Allyl chloride	5.024	41	226655	41.968	ug/l	94
15) Acrylonitrile	5.724	53	420785	235.354	ug/l	99
16) Acetone	4.430	43	405031	249.585	ug/l	96
17) Carbon Disulfide	4.712	76	380179	50.053	ug/l	100
18) Methyl Acetate	5.030	43	280650	40.938	ug/l #	86
19) Methyl tert-butyl Ether	5.800	73	508514	52.025	ug/l	93
20) Methylene Chloride	5.277	84	177849	51.426	ug/l #	86
21) trans-1,2-Dichloroethene	5.789	96	160674	52.805	ug/l #	81
22) Diisopropyl ether	6.677	45	555290	48.603	ug/l #	87
23) Vinyl Acetate	6.606	43	1720550	228.714	ug/l #	88
24) 1,1-Dichloroethane	6.571	63	319194	51.141	ug/l	96
25) 2-Butanone	7.483	43	567665	218.180	ug/l #	82
26) 2,2-Dichloropropane	7.488	77	267136	52.950	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	194797	52.672	ug/l	88
28) Bromochloromethane	7.818	49	148519	44.857	ug/l #	80
29) Tetrahydrofuran	7.841	42	356211	206.843	ug/l #	77
30) Chloroform	7.971	83	325809	52.250	ug/l	96
31) Cyclohexane	8.259	56	249131	50.837	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	276751	52.052	ug/l	97
36) 1,1-Dichloropropene	8.377	75	242023	56.572	ug/l	95
37) Ethyl Acetate	7.565	43	227850	47.602	ug/l #	92
38) Carbon Tetrachloride	8.365	117	239302	55.826	ug/l	97
39) Methylcyclohexane	9.606	83	230350	58.545	ug/l #	90
40) Benzene	8.606	78	722424	57.131	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	120348	46.165	ug/l	88
42) 1,2-Dichloroethane	8.671	62	243263	51.493	ug/l	99
43) Isopropyl Acetate	8.694	43	366399	43.308	ug/l #	94
44) Trichloroethene	9.359	130	175349	58.360	ug/l	99
45) 1,2-Dichloropropane	9.624	63	187464	55.682	ug/l	100
46) Dibromomethane	9.712	93	122541	53.067	ug/l	91
47) Bromodichloromethane	9.894	83	255517	56.036	ug/l	97
48) Methyl methacrylate	9.682	41	176001	45.908	ug/l #	81
49) 1,4-Dioxane	9.700	88	61128	936.105	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	1125092	224.220	ug/l	93
52) Toluene	10.635	92	441736	56.898	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	275609	56.362	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	301314	56.577	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	177668	57.075	ug/l	98
56) Ethyl methacrylate	10.876	69	273585	56.696	ug/l #	86
57) 1,3-Dichloropropane	11.165	76	305593	54.885	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	450699	194.574	ug/l	90
59) 2-Hexanone	11.200	43	830099	228.401	ug/l	92
60) Dibromochloromethane	11.365	129	188105	57.423	ug/l	100
61) 1,2-Dibromoethane	11.476	107	174238	55.080	ug/l	98
64) Tetrachloroethene	11.106	164	144806	60.808	ug/l	98
65) Chlorobenzene	11.894	112	457375	56.584	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	176511	57.783	ug/l	96
67) Ethyl Benzene	11.965	91	847332	57.644	ug/l	98
68) m/p-Xylenes	12.076	106	626827	114.056	ug/l	95
69) o-Xylene	12.400	106	304454	56.948	ug/l	92
70) Styrene	12.418	104	517535	58.056	ug/l	99
71) Bromoform	12.582	173	132320	59.582	ug/l #	99
73) Isopropylbenzene	12.700	105	771346	54.598	ug/l	100
74) N-amyl acetate	12.500	43	303164	42.512	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	252610	49.520	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	198119m	48.528	ug/l	
77) Bromobenzene	12.982	156	185988	54.769	ug/l	98
78) n-propylbenzene	13.041	91	906227	55.317	ug/l	97
79) 2-Chlorotoluene	13.129	91	556198	54.731	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	637792	56.967	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	80344	50.273	ug/l	90
82) 4-Chlorotoluene	13.223	91	549361	55.248	ug/l	99
83) tert-Butylbenzene	13.441	119	509068	54.117	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	627039	56.562	ug/l	99
85) sec-Butylbenzene	13.617	105	727512	56.198	ug/l	100
86) p-Isopropyltoluene	13.735	119	596528	57.675	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	320075	54.775	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	310733	53.128	ug/l	98
89) n-Butylbenzene	14.059	91	504273	59.245	ug/l	99
90) Hexachloroethane	14.335	117	112190	54.112	ug/l	81
91) 1,2-Dichlorobenzene	14.112	146	314904	54.190	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40864	48.293	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	126289	61.303	ug/l	98
94) Hexachlorobutadiene	15.506	225	72093	72.815	ug/l	97
95) Naphthalene	15.641	128	355161	45.719	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	131281	58.184	ug/l	98

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

