

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075931.D
 Acq On : 21 Dec 2022 19:52
 Operator : JC\MD
 Sample : N6164-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-04-147-166-122022MS

Quant Time: Dec 22 03:06:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/22/2022
 Supervised By :Mahesh Dadoda 12/22/2022

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	327820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	520404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	467350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	183369	51.416	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.840%			
35) Dibromofluoromethane	8.171	113	171044	53.073	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.140%			
50) Toluene-d8	10.570	98	624379	51.817	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.853	95	216150	54.160	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.320%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	104924	45.078	ug/l	97
3) Chloromethane	2.377	50	121862	42.103	ug/l	98
4) Vinyl Chloride	2.530	62	154678	44.801	ug/l	99
5) Bromomethane	2.947	94	127189	43.347	ug/l	98
6) Chloroethane	3.124	64	112858	44.142	ug/l	98
7) Trichlorofluoromethane	3.506	101	244663	46.701	ug/l	94
8) Diethyl Ether	3.971	74	93089	48.649	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.388	101	144407	48.272	ug/l	99
10) Methyl Iodide	4.600	142	228983	47.165	ug/l	100
11) Tert butyl alcohol	5.535	59	108898	215.794	ug/l	100
12) 1,1-Dichloroethene	4.353	96	135468	46.626	ug/l	97
13) Acrolein	4.188	56	164432	265.783	ug/l	97
14) Allyl chloride	5.035	41	154071	45.363	ug/l	90
15) Acrylonitrile	5.729	53	332886	241.725	ug/l	99
16) Acetone	4.441	43	248756	202.339	ug/l	100
17) Carbon Disulfide	4.724	76	295001	41.936	ug/l	99
18) Methyl Acetate	5.041	43	164076	45.150	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	485707	50.765	ug/l	97
20) Methylene Chloride	5.288	84	161205	49.004	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	148198	46.575	ug/l	96
22) Diisopropyl ether	6.682	45	421905	51.135	ug/l	99
23) Vinyl Acetate	6.618	43	1292172	232.681	ug/l	99
24) 1,1-Dichloroethane	6.577	63	266988	48.520	ug/l	98
25) 2-Butanone	7.488	43	403819	234.590	ug/l	96
26) 2,2-Dichloropropane	7.500	77	209716	45.004	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	183636	48.255	ug/l	99
28) Bromochloromethane	7.823	49	105848	43.888	ug/l	98
29) Tetrahydrofuran	7.841	42	271630	251.802	ug/l	98
30) Chloroform	7.971	83	295014	47.618	ug/l	89
31) Cyclohexane	8.265	56	232387	45.498	ug/l	98
32) 1,1,1-Trichloroethane	8.176	97	267675	48.734	ug/l	100
36) 1,1-Dichloropropene	8.376	75	209963	49.044	ug/l	98
37) Ethyl Acetate	7.571	43	163451	47.531	ug/l	97
38) Carbon Tetrachloride	8.370	117	232583	48.540	ug/l	98
39) Methylcyclohexane	9.606	83	267204	51.735	ug/l	98
40) Benzene	8.612	78	651305	49.308	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	91027	50.925	ug/l	97
42) 1,2-Dichloroethane	8.676	62	216038	49.196	ug/l	100
43) Isopropyl Acetate	8.694	43	286642	50.531	ug/l	99
44) Trichloroethene	9.359	130	174842	46.986	ug/l	97
45) 1,2-Dichloropropane	9.629	63	157095	48.874	ug/l	100
46) Dibromomethane	9.712	93	115733	48.545	ug/l	98
47) Bromodichloromethane	9.894	83	234247	50.104	ug/l	99
48) Methyl methacrylate	9.682	41	138677	54.279	ug/l	98
49) 1,4-Dioxane	9.694	88	57646	917.782	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	905277	263.888	ug/l	99
52) Toluene	10.635	92	1648413	191.618	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	230566	50.380	ug/l	99
54) cis-1,3-Dichloropropene	10.317	75	252640	50.279	ug/l	99
55) 1,1,2-Trichloroethane	11.017	97	169283	50.135	ug/l	99
56) Ethyl methacrylate	10.876	69	245769	54.798	ug/l	99
57) 1,3-Dichloropropane	11.164	76	278500	50.284	ug/l	99
59) 2-Hexanone	11.200	43	641331	256.350	ug/l	100
60) Dibromochloromethane	11.359	129	189948	50.585	ug/l	100
61) 1,2-Dibromoethane	11.470	107	172049	50.351	ug/l	99
64) Tetrachloroethene	11.106	164	155276	47.216	ug/l	98
65) Chlorobenzene	11.894	112	464619	48.437	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.964	131	178577	50.262	ug/l	99
67) Ethyl Benzene	11.964	91	845629	52.234	ug/l	100
68) m/p-Xylenes	12.076	106	671691	104.826	ug/l	100
69) o-Xylene	12.400	106	334772	52.794	ug/l	98
70) Styrene	12.417	104	545903	54.144	ug/l	99
71) Bromoform	12.582	173	132847	51.385	ug/l #	100
73) Isopropylbenzene	12.700	105	864342	51.840	ug/l	100
74) N-amyl acetate	12.500	43	251290	51.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	247565	48.030	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	212352m	45.659	ug/l	
77) Bromobenzene	12.982	156	204789	48.533	ug/l	100
78) n-propylbenzene	13.041	91	985965	53.615	ug/l	99
79) 2-Chlorotoluene	13.129	91	578208	50.369	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	742332	53.196	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	63840	49.408	ug/l	97
82) 4-Chlorotoluene	13.129	91	578208	50.369	ug/l	99
83) tert-Butylbenzene	13.441	119	677123	55.035	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	745970	53.886	ug/l	99
85) sec-Butylbenzene	13.617	105	925052	54.473	ug/l	99
86) p-Isopropyltoluene	13.735	119	789109	55.845	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	387322	49.692	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	384132	48.242	ug/l	100
89) n-Butylbenzene	14.058	91	634379	55.417	ug/l	100
90) Hexachloroethane	14.335	117	133987	53.009	ug/l	98
91) 1,2-Dichlorobenzene	14.111	146	387954	50.531	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40940	44.763	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	192817	50.729	ug/l	100
94) Hexachlorobutadiene	15.505	225	103864	50.085	ug/l	99
95) Naphthalene	15.641	128	568023	45.443	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	186154	52.400	ug/l	99

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

