

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077801.D
 Acq On : 22 May 2023 19:53
 Operator : JC\MD
 Sample : 02880-13MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT15811-20230519MS

Quant Time: May 23 04:21:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2023
 Supervised By : Mahesh Dadoda 05/23/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	368218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	656403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	587206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	255135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	268163	48.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.340%		
35) Dibromofluoromethane	8.171	113	234228	54.722	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.440%		
50) Toluene-d8	10.577	98	863062	52.385	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.780%		
62) 4-Bromofluorobenzene	12.853	95	290614	49.944	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	193690	46.221	ug/l	100
3) Chloromethane	2.371	50	194237	43.483	ug/l	99
4) Vinyl Chloride	2.518	62	248475	47.029	ug/l	99
5) Bromomethane	2.954	94	184687	47.264	ug/l	94
6) Chloroethane	3.124	64	183810	48.274	ug/l	98
7) Trichlorofluoromethane	3.501	101	372420	50.579	ug/l	100
8) Diethyl Ether	3.971	74	132069	49.132	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	204806	50.262	ug/l	98
10) Methyl Iodide	4.601	142	269173	55.390	ug/l	99
11) Tert butyl alcohol	5.536	59	186967	245.892	ug/l	99
12) 1,1-Dichloroethene	4.348	96	190347	49.149	ug/l	93
13) Acrolein	4.189	56	145063	314.024	ug/l	97
14) Allyl chloride	5.036	41	250165	43.971	ug/l	95
15) Acrylonitrile	5.724	53	501845	247.044	ug/l	99
16) Acetone	4.436	43	404245	233.215	ug/l	99
17) Carbon Disulfide	4.718	76	431107	41.313	ug/l	98
18) Methyl Acetate	5.030	43	338143	46.501	ug/l #	88
19) Methyl tert-butyl Ether	5.800	73	698158	49.804	ug/l	99
20) Methylene Chloride	5.289	84	228720	50.725	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	210212	48.321	ug/l	91
22) Diisopropyl ether	6.683	45	647673	48.568	ug/l	94
23) Vinyl Acetate	6.612	43	1773028	214.590	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	409662	50.143	ug/l	99
25) 2-Butanone	7.494	43	628053	231.626	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	299092	43.091	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	264058	50.622	ug/l	96
28) Bromochloromethane	7.818	49	182340	51.606	ug/l	93
29) Tetrahydrofuran	7.847	42	411743	231.907	ug/l	86
30) Chloroform	7.971	83	454565	50.579	ug/l	94
31) Cyclohexane	8.265	56	324383	43.320	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	400151	52.370	ug/l	97
36) 1,1-Dichloropropene	8.377	75	310772	49.639	ug/l	98
37) Ethyl Acetate	7.565	43	243792	43.689	ug/l	96
38) Carbon Tetrachloride	8.371	117	347732	55.004	ug/l	96
39) Methylcyclohexane	9.606	83	366791	47.855	ug/l	92
40) Benzene	8.612	78	953595	51.616	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	153437	51.632	ug/l	89
42) 1,2-Dichloroethane	8.677	62	331767	49.435	ug/l	99
43) Isopropyl Acetate	8.694	43	431190	47.307	ug/l	96
44) Trichloroethene	9.359	130	275933	58.985	ug/l	99
45) 1,2-Dichloropropane	9.630	63	249133	52.867	ug/l	97
46) Dibromomethane	9.718	93	171271	50.791	ug/l	92
47) Bromodichloromethane	9.894	83	353014	54.681	ug/l	99
48) Methyl methacrylate	9.688	41	211491	48.940	ug/l	90
49) 1,4-Dioxane	9.700	88	89028	1090.761	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1393880	257.276	ug/l	93
52) Toluene	10.635	92	617059	53.650	ug/l	97
53) t-1,3-Dichloropropene	10.847	75	351708	51.445	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	381478	50.635	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	249942	54.730	ug/l	99
56) Ethyl methacrylate	10.882	69	362077	52.437	ug/l	91
57) 1,3-Dichloropropane	11.171	76	415593	53.084	ug/l	99
59) 2-Hexanone	11.200	43	993636	247.953	ug/l	93
60) Dibromochloromethane	11.365	129	273650	58.044	ug/l	98
61) 1,2-Dibromoethane	11.477	107	246949	54.204	ug/l	100
64) Tetrachloroethene	11.112	164	241777	58.877	ug/l	97
65) Chlorobenzene	11.900	112	668474	52.512	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.971	131	257538	58.469	ug/l	98
67) Ethyl Benzene	11.971	91	1179105	51.686	ug/l	100
68) m/p-Xylenes	12.076	106	921393	106.594	ug/l	99
69) o-Xylene	12.406	106	461466	54.285	ug/l	100
70) Styrene	12.418	104	728412	53.940	ug/l	98
71) Bromoform	12.588	173	175696	59.961	ug/l #	96
73) Isopropylbenzene	12.700	105	1178274	53.576	ug/l	100
74) N-amyl acetate	12.500	43	346259	42.595	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	343310	50.742	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	302703m	47.375	ug/l	
77) Bromobenzene	12.988	156	263750	52.551	ug/l	95
78) n-propylbenzene	13.041	91	1332396	51.388	ug/l	99
79) 2-Chlorotoluene	13.129	91	800628	51.748	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	998421	54.015	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	92806	46.429	ug/l	95
82) 4-Chlorotoluene	13.229	91	760285	49.389	ug/l	97
83) tert-Butylbenzene	13.447	119	874579	54.199	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	985537	54.214	ug/l	99
85) sec-Butylbenzene	13.623	105	1212298	52.863	ug/l	100
86) p-Isopropyltoluene	13.735	119	1001400	54.773	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	467770	50.397	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	452765	49.158	ug/l	100
89) n-Butylbenzene	14.065	91	809964	48.166	ug/l	98
90) Hexachloroethane	14.341	117	173554	57.785	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	462603	53.351	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	59850	45.691	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	205511	40.558	ug/l	97
94) Hexachlorobutadiene	15.506	225	103971	49.419	ug/l	98
95) Naphthalene	15.647	128	640834	36.743	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	213776	43.090	ug/l	97

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

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