

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077996.D
 Acq On : 31 May 2023 16:31
 Operator : JC\MD
 Sample : 02910-06MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW33S-20230523MSD

Quant Time: Jun 01 01:55:00 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 06/01/2023
 Supervised By : Mahesh Dadoda 06/01/2023

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	373216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	660544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	579289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	247049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274464	49.149	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.300%		
35) Dibromofluoromethane	8.177	113	236375	54.877	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.760%		
50) Toluene-d8	10.577	98	857214	51.704	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.400%		
62) 4-Bromofluorobenzene	12.859	95	291009	49.699	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	176941	41.658	ug/l	95
3) Chloromethane	2.371	50	199300	44.042	ug/l	99
4) Vinyl Chloride	2.518	62	255070	47.631	ug/l	100
5) Bromomethane	2.954	94	196694	49.663	ug/l	99
6) Chloroethane	3.124	64	183077	47.438	ug/l	97
7) Trichlorofluoromethane	3.506	101	368214	49.338	ug/l	98
8) Diethyl Ether	3.977	74	133851	49.128	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.377	101	202558	49.044	ug/l	97
10) Methyl Iodide	4.600	142	281041	57.058	ug/l	95
11) Tert butyl alcohol	5.536	59	175860	228.187	ug/l	99
12) 1,1-Dichloroethene	4.348	96	195017	49.681	ug/l	90
13) Acrolein	4.195	56	84989	167.817	ug/l	95
14) Allyl chloride	5.036	41	293695	50.931	ug/l	93
15) Acrylonitrile	5.730	53	485691	235.890	ug/l	99
16) Acetone	4.436	43	373171	212.405	ug/l	98
17) Carbon Disulfide	4.718	76	465103	43.974	ug/l	99
18) Methyl Acetate	5.036	43	342658	46.491	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	702825	49.465	ug/l	98
20) Methylene Chloride	5.289	84	239922	52.568	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	218778	49.616	ug/l	90
22) Diisopropyl ether	6.683	45	663270	49.071	ug/l	93
23) Vinyl Acetate	6.612	43	1913431	228.481	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	417638	50.434	ug/l	97
25) 2-Butanone	7.494	43	610726	222.220	ug/l	89
26) 2,2-Dichloropropane	7.500	77	342804	48.727	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	269314	50.939	ug/l	93
28) Bromochloromethane	7.824	49	173590	48.471	ug/l	91
29) Tetrahydrofuran	7.847	42	398927	221.680	ug/l	87
30) Chloroform	7.971	83	452247	49.647	ug/l	93
31) Cyclohexane	8.271	56	339928	44.788	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	400725	51.742	ug/l	96
36) 1,1-Dichloropropene	8.377	75	331654	52.642	ug/l	97
37) Ethyl Acetate	7.571	43	259709	46.250	ug/l #	94
38) Carbon Tetrachloride	8.371	117	356487	56.035	ug/l	97
39) Methylcyclohexane	9.606	83	362925	47.054	ug/l	93
40) Benzene	8.612	78	987252	53.102	ug/l	98

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41) Methacrylonitrile	7.789	41	135978	45.470	ug/l	93
42) 1,2-Dichloroethane	8.683	62	345599	51.173	ug/l	97
43) Isopropyl Acetate	8.694	43	446588	48.690	ug/l	97
44) Trichloroethene	9.359	130	262225	55.703	ug/l	96
45) 1,2-Dichloropropane	9.630	63	256474	54.084	ug/l	95
46) Dibromomethane	9.718	93	177557	52.325	ug/l	95
47) Bromodichloromethane	9.894	83	359123	55.279	ug/l	99
48) Methyl methacrylate	9.688	41	211571	48.652	ug/l	90
49) 1,4-Dioxane	9.706	88	90173	1097.864	ug/l	96
51) 4-Methyl-2-Pentanone	10.453	43	1355332	248.592	ug/l	93
52) Toluene	10.635	92	637700	55.097	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	370312	53.827	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	406479	53.615	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	249886	54.375	ug/l	96
56) Ethyl methacrylate	10.882	69	361757	52.062	ug/l	92
57) 1,3-Dichloropropane	11.171	76	419720	53.275	ug/l	99
59) 2-Hexanone	11.206	43	956112	237.093	ug/l	92
60) Dibromochloromethane	11.365	129	272133	57.360	ug/l	100
61) 1,2-Dibromoethane	11.476	107	254214	55.448	ug/l	99
64) Tetrachloroethene	11.112	164	238273	58.817	ug/l	97
65) Chlorobenzene	11.900	112	679086	54.075	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	254618	58.596	ug/l	97
67) Ethyl Benzene	11.971	91	1225062	54.435	ug/l	99
68) m/p-Xylenes	12.076	106	930105	109.073	ug/l	98
69) o-Xylene	12.406	106	463608	55.282	ug/l	98
70) Styrene	12.418	104	741885	55.688	ug/l	99
71) Bromoform	12.582	173	172923	59.821	ug/l #	98
73) Isopropylbenzene	12.700	105	1192633	56.004	ug/l	100
74) N-amyl acetate	12.500	43	361433	45.917	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	342590	52.293	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	294633m	47.621	ug/l	
77) Bromobenzene	12.988	156	258630	53.218	ug/l	99
78) n-propylbenzene	13.041	91	1362197	54.257	ug/l	99
79) 2-Chlorotoluene	13.135	91	818424	54.630	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	994292	55.552	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	94064	48.598	ug/l	90
82) 4-Chlorotoluene	13.229	91	771899	51.785	ug/l	97
83) tert-Butylbenzene	13.447	119	852049	54.531	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	988276	56.144	ug/l	99
85) sec-Butylbenzene	13.623	105	1158741	52.182	ug/l	99
86) p-Isopropyltoluene	13.735	119	974936	55.071	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	467589	52.027	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	452312	50.716	ug/l	100
89) n-Butylbenzene	14.065	91	774829	47.585	ug/l	97
90) Hexachloroethane	14.341	117	161518	55.538	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	465638	55.458	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	55219	43.536	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	191071	38.942	ug/l	98
94) Hexachlorobutadiene	15.512	225	87871	43.134	ug/l	97
95) Naphthalene	15.647	128	594467	35.200	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	199423	41.512	ug/l	99

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

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