

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077079.D
 Acq On : 20 Mar 2023 19:31
 Operator : JC\MD
 Sample : 01941-06MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D1-20230313MSD

Quant Time: Mar 21 05:42:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/21/2023
 Supervised By : Mahesh Dadoda 03/21/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	322250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	563613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	509651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	234750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	243723	47.349	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.700%		
35) Dibromofluoromethane	8.172	113	187299	47.453	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.900%		
50) Toluene-d8	10.571	98	706914	50.138	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.280%		
62) 4-Bromofluorobenzene	12.854	95	262531	52.694	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	136056	44.563	ug/l	99
3) Chloromethane	2.372	50	148829	45.838	ug/l	98
4) Vinyl Chloride	2.525	62	167925	47.915	ug/l	100
5) Bromomethane	2.948	94	130576	55.160	ug/l	96
6) Chloroethane	3.131	64	149852	67.574	ug/l	96
7) Trichlorofluoromethane	3.507	101	386898	51.317	ug/l	98
8) Diethyl Ether	3.972	74	154264	54.368	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.384	101	241485	56.465	ug/l	99
10) Methyl Iodide	4.601	142	265771	55.174	ug/l	97
11) Tert butyl alcohol	5.537	59	238259	317.652	ug/l	98
12) 1,1-Dichloroethene	4.360	96	219057	55.991	ug/l	97
13) Acrolein	4.195	56	248055	267.381	ug/l	99
14) Allyl chloride	5.037	41	409872	57.226	ug/l	95
15) Acrylonitrile	5.731	53	708547	280.996	ug/l	99
16) Acetone	4.437	43	560570	244.411	ug/l	100
17) Carbon Disulfide	4.725	76	559156	49.014	ug/l	100
18) Methyl Acetate	5.037	43	452942	52.371	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	777640	55.382	ug/l	99
20) Methylene Chloride	5.295	84	250338	50.292	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	222625	52.499	ug/l	94
22) Diisopropyl ether	6.684	45	850876	54.221	ug/l	98
23) Vinyl Acetate	6.613	43	2640153	266.610	ug/l	99
24) 1,1-Dichloroethane	6.583	63	471215	52.475	ug/l	100
25) 2-Butanone	7.489	43	926185	276.049	ug/l	100
26) 2,2-Dichloropropane	7.495	77	343640	50.860	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	273618	56.338	ug/l	97
28) Bromochloromethane	7.819	49	186617	47.854	ug/l	99
29) Tetrahydrofuran	7.848	42	626489	288.153	ug/l	99
30) Chloroform	7.972	83	473701	54.350	ug/l	97
31) Cyclohexane	8.266	56	418531	49.696	ug/l	98
32) 1,1,1-Trichloroethane	8.178	97	403908	54.221	ug/l	97
36) 1,1-Dichloropropene	8.377	75	339013	54.990	ug/l	98
37) Ethyl Acetate	7.566	43	363441	55.099	ug/l	100
38) Carbon Tetrachloride	8.372	117	341326	56.841	ug/l	99
39) Methylcyclohexane	9.607	83	420255	58.239	ug/l	99
40) Benzene	8.613	78	1030518	55.117	ug/l	99

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41) Methacrylonitrile	7.783	41	195013m	54.881	ug/l	
42) 1,2-Dichloroethane	8.677	62	365864	54.152	ug/l	98
43) Isopropyl Acetate	8.695	43	585497	56.822	ug/l	98
44) Trichloroethene	9.354	130	1254991	292.225	ug/l	97
45) 1,2-Dichloropropane	9.624	63	277273	55.837	ug/l	98
46) Dibromomethane	9.713	93	172958	55.227	ug/l	99
47) Bromodichloromethane	9.889	83	359357	54.710	ug/l	99
48) Methyl methacrylate	9.683	41	296947	60.281	ug/l	99
49) 1,4-Dioxane	9.701	88	105937	1259.111	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	1887687	294.187	ug/l	98
52) Toluene	10.636	92	637993	57.150	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	382505	59.417	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	412924	56.849	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	255858	58.122	ug/l	97
56) Ethyl methacrylate	10.877	69	410579	62.026	ug/l	98
57) 1,3-Dichloropropane	11.166	76	444973	55.211	ug/l	99
59) 2-Hexanone	11.201	43	1395877	299.927	ug/l	100
60) Dibromochloromethane	11.366	129	258236	58.399	ug/l	99
61) 1,2-Dibromoethane	11.471	107	252797	57.910	ug/l	99
64) Tetrachloroethene	11.107	164	182214	53.272	ug/l	95
65) Chlorobenzene	11.895	112	642978	54.832	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.960	131	238050	54.862	ug/l	99
67) Ethyl Benzene	11.966	91	1236335	58.044	ug/l	99
68) m/p-Xylenes	12.071	106	920119	116.480	ug/l	100
69) o-Xylene	12.401	106	457549	58.294	ug/l	100
70) Styrene	12.413	104	748639	61.264	ug/l	100
71) Bromoform	12.583	173	176407	59.998	ug/l #	100
73) Isopropylbenzene	12.701	105	1194157	56.763	ug/l	100
74) N-amyl acetate	12.495	43	506874	55.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	389003	51.039	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	308014m	50.726	ug/l	
77) Bromobenzene	12.983	156	257243	54.585	ug/l	96
78) n-propylbenzene	13.042	91	1410832	58.093	ug/l	100
79) 2-Chlorotoluene	13.130	91	857090	55.386	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	1030033	58.643	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	122142	55.368	ug/l	98
82) 4-Chlorotoluene	13.224	91	834983	56.743	ug/l	99
83) tert-Butylbenzene	13.442	119	846864	57.425	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1025861	58.527	ug/l	99
85) sec-Butylbenzene	13.618	105	1234907	58.867	ug/l	99
86) p-Isopropyltoluene	13.730	119	1000138	59.368	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	477201	53.577	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	467704	52.778	ug/l	100
89) n-Butylbenzene	14.059	91	872389	59.029	ug/l	100
90) Hexachloroethane	14.336	117	184511	53.870	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	474987	53.500	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	79177	56.063	ug/l	98
93) 1,2,4-Trichlorobenzene	15.395	180	240978	60.042	ug/l	100
94) Hexachlorobutadiene	15.506	225	115714	52.352	ug/l	98
95) Naphthalene	15.648	128	840318	53.729	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	240120	59.625	ug/l	99

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

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