

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081024\
 Data File : VN083222.D
 Acq On : 10 Aug 2024 21:00
 Operator : JC\MD
 Sample : P3478-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TS04MSD

Quant Time: Aug 12 02:00:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/12/2024
 Supervised By : Mahesh Dadoda 08/12/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	161135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129322	56.384	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.760%			
35) Dibromofluoromethane	8.165	113	89016	49.767	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.540%			
50) Toluene-d8	10.565	98	344813	51.680	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.847	95	135116	51.945	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.880%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	93335	51.078	ug/l	97
3) Chloromethane	2.359	50	91953	49.152	ug/l	96
4) Vinyl Chloride	2.512	62	99102	51.915	ug/l	96
5) Bromomethane	2.942	94	58294	49.215	ug/l	91
6) Chloroethane	3.112	64	61279	51.310	ug/l	94
7) Trichlorofluoromethane	3.495	101	169432	53.728	ug/l	96
8) Diethyl Ether	3.959	74	61463	52.378	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	89802	51.651	ug/l	98
10) Methyl Iodide	4.583	142	113081	49.444	ug/l	94
11) Tert butyl alcohol	5.524	59	111462	233.846	ug/l	99
12) 1,1-Dichloroethene	4.336	96	88257	49.410	ug/l	89
13) Acrolein	4.177	56	78322	252.121	ug/l	99
14) Allyl chloride	5.024	41	142164	42.117	ug/l	94
15) Acrylonitrile	5.718	53	257888	263.072	ug/l	99
16) Acetone	4.424	43	254017	283.037	ug/l	96
17) Carbon Disulfide	4.712	76	236724	45.293	ug/l	99
18) Methyl Acetate	5.024	43	250036	93.508	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	338074	52.437	ug/l	98
20) Methylene Chloride	5.277	84	120400	58.292	ug/l	85
21) trans-1,2-Dichloroethene	5.783	96	90967	49.274	ug/l	95
22) Diisopropyl ether	6.677	45	327561	51.625	ug/l	97
23) Vinyl Acetate	6.606	43	817448	125.693	ug/l	97
24) 1,1-Dichloroethane	6.571	63	182578	52.792	ug/l	100
25) 2-Butanone	7.483	43	365980	265.581	ug/l	91
26) 2,2-Dichloropropane	7.488	77	114964	35.794	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	113936	51.144	ug/l	91
28) Bromochloromethane	7.812	49	67758	47.941	ug/l	87
29) Tetrahydrofuran	7.841	42	237023	266.076	ug/l #	88
30) Chloroform	7.965	83	195261	54.344	ug/l	100
31) Cyclohexane	8.259	56	155571	45.771	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	180823	53.167	ug/l	96
36) 1,1-Dichloropropene	8.371	75	134378	49.664	ug/l	98
37) Ethyl Acetate	7.559	43	142271	46.962	ug/l #	96
38) Carbon Tetrachloride	8.365	117	154730	50.773	ug/l	95
39) Methylcyclohexane	9.600	83	158216	47.608	ug/l	95
40) Benzene	8.606	78	409349	50.785	ug/l	99

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41) Methacrylonitrile	7.777	41	83562	48.511	ug/l	95
42) 1,2-Dichloroethane	8.671	62	156537	53.312	ug/l	99
43) Isopropyl Acetate	8.688	43	258509	49.143	ug/l #	94
44) Trichloroethene	9.353	130	97360	50.747	ug/l	94
45) 1,2-Dichloropropane	9.624	63	98810	51.644	ug/l	95
46) Dibromomethane	9.712	93	72076	52.629	ug/l	99
47) Bromodichloromethane	9.888	83	159155	51.758	ug/l	99
48) Methyl methacrylate	9.682	41	129104	51.546	ug/l	93
49) 1,4-Dioxane	9.694	88	44994	995.751	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	762598	266.195	ug/l	93
52) Toluene	10.629	92	260155	51.082	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	156959	49.692	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	161094	47.949	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	95921	52.556	ug/l	95
56) Ethyl methacrylate	10.877	69	168318	48.920	ug/l #	86
57) 1,3-Dichloropropane	11.165	76	170120	52.294	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	358697	246.631	ug/l	96
59) 2-Hexanone	11.194	43	586273	264.525	ug/l	94
60) Dibromochloromethane	11.359	129	116699	52.885	ug/l	99
61) 1,2-Dibromoethane	11.471	107	99095	51.685	ug/l	97
64) Tetrachloroethene	11.106	164	114638	68.284	ug/l	97
65) Chlorobenzene	11.888	112	280021	49.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	98036	49.621	ug/l	98
67) Ethyl Benzene	11.965	91	515621	50.174	ug/l	99
68) m/p-Xylenes	12.071	106	385711	100.197	ug/l	99
69) o-Xylene	12.400	106	190312	50.126	ug/l	100
70) Styrene	12.412	104	320821	50.311	ug/l	98
71) Bromoform	12.576	173	76901	51.379	ug/l #	99
73) Isopropylbenzene	12.694	105	494251	47.996	ug/l	100
74) N-amyl acetate	12.494	43	181368	36.007	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	139809	48.002	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	130615m	48.338	ug/l	
77) Bromobenzene	12.982	156	111676	48.819	ug/l	97
78) n-propylbenzene	13.035	91	580681	48.971	ug/l	100
79) 2-Chlorotoluene	13.123	91	363898	48.406	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	419059	48.607	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	53305	42.912	ug/l	89
82) 4-Chlorotoluene	13.223	91	360246	47.773	ug/l	98
83) tert-Butylbenzene	13.441	119	361823	47.390	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	425964	49.027	ug/l	100
85) sec-Butylbenzene	13.618	105	507488	48.713	ug/l	100
86) p-Isopropyltoluene	13.729	119	421315	48.979	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	205650	47.777	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	209156	48.199	ug/l	98
89) n-Butylbenzene	14.053	91	364178	48.860	ug/l	99
90) Hexachloroethane	14.335	117	77840	46.839	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	199094	47.798	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32741	46.326	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	110184	47.218	ug/l	97
94) Hexachlorobutadiene	15.500	225	45340	43.689	ug/l	98
95) Naphthalene	15.641	128	398120	48.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	109208	47.297	ug/l	98

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

