

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072424\
 Data File : VN083033.D
 Acq On : 24 Jul 2024 16:55
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2024
 Supervised By : Mahesh Dadoda 07/25/2024

Quant Time: Jul 25 02:41:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	168173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	279444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133662	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127753	54.191	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.380%
35) Dibromofluoromethane	8.171	113	101596	56.659	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.320%
50) Toluene-d8	10.570	98	368319	55.613	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.220%
62) 4-Bromofluorobenzene	12.847	95	121800	51.198	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	102.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	97590	44.822	ug/l	98
3) Chloromethane	2.359	50	77302	37.438	ug/l	97
4) Vinyl Chloride	2.512	62	99763	46.004	ug/l	96
5) Bromomethane	2.942	94	69733	44.599	ug/l	90
6) Chloroethane	3.112	64	83474	56.250	ug/l	97
7) Trichlorofluoromethane	3.489	101	158737	50.894	ug/l	99
8) Diethyl Ether	3.965	74	52053	48.764	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.371	101	94468	53.515	ug/l	98
10) Methyl Iodide	4.588	142	83783	46.293	ug/l	99
11) Tert butyl alcohol	5.524	59	107493	271.099	ug/l	99
12) 1,1-Dichloroethene	4.341	96	83178	48.450	ug/l	91
13) Acrolein	4.183	56	150145	524.490	ug/l	99
14) Allyl chloride	5.030	41	133653	49.931	ug/l	94
15) Acrylonitrile	5.724	53	247260	271.345	ug/l	100
16) Acetone	4.430	43	215850	260.062	ug/l	94
17) Carbon Disulfide	4.712	76	201340	39.248	ug/l	100
18) Methyl Acetate	5.024	43	147323	67.080	ug/l #	88
19) Methyl tert-butyl Ether	5.800	73	309930	52.335	ug/l	97
20) Methylene Chloride	5.277	84	104502	52.135	ug/l	85
21) trans-1,2-Dichloroethene	5.783	96	89485	48.106	ug/l	90
22) Diisopropyl ether	6.671	45	301394	53.820	ug/l	93
23) Vinyl Acetate	6.606	43	1156317	260.010	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	187464	55.187	ug/l	97
25) 2-Butanone	7.482	43	339758	271.102	ug/l	94
26) 2,2-Dichloropropane	7.488	77	171025	54.151	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	115371	52.976	ug/l	87
28) Bromochloromethane	7.818	49	84500	57.986	ug/l #	79
29) Tetrahydrofuran	7.841	42	213805	270.987	ug/l #	85
30) Chloroform	7.971	83	201686	55.967	ug/l	96
31) Cyclohexane	8.259	56	136674	44.345	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	178728	53.418	ug/l	99
36) 1,1-Dichloropropene	8.371	75	129805	52.505	ug/l	99
37) Ethyl Acetate	7.565	43	131152	52.107	ug/l #	94
38) Carbon Tetrachloride	8.365	117	155997	52.407	ug/l	99
39) Methylcyclohexane	9.600	83	117758	44.096	ug/l	95
40) Benzene	8.606	78	411628	54.128	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	72478	53.450	ug/l #	90
42) 1,2-Dichloroethane	8.671	62	154203	56.326	ug/l	96
43) Isopropyl Acetate	8.688	43	236952	49.923	ug/l #	93
44) Trichloroethene	9.353	130	93840	48.165	ug/l	93
45) 1,2-Dichloropropane	9.623	63	103956	58.553	ug/l	94
46) Dibromomethane	9.712	93	79771	57.674	ug/l	99
47) Bromodichloromethane	9.894	83	164328	57.500	ug/l	99
48) Methyl methacrylate	9.682	41	109183	55.322	ug/l #	86
49) 1,4-Dioxane	9.694	88	46890	1094.688	ug/l	90
51) 4-Methyl-2-Pentanone	10.447	43	751243	301.066	ug/l	96
52) Toluene	10.629	92	259192	54.562	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	161879	54.984	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	167998	53.909	ug/l	90
55) 1,1,2-Trichloroethane	11.018	97	105905	60.627	ug/l	97
56) Ethyl methacrylate	10.876	69	161903	59.573	ug/l	88
57) 1,3-Dichloropropane	11.165	76	177728	57.478	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	433429	310.806	ug/l	96
59) 2-Hexanone	11.194	43	554393	298.833	ug/l	94
60) Dibromochloromethane	11.359	129	128975	57.969	ug/l	100
61) 1,2-Dibromoethane	11.470	107	106115	57.203	ug/l	99
64) Tetrachloroethene	11.106	164	90703	45.445	ug/l	98
65) Chlorobenzene	11.894	112	292103	50.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.964	131	113696	55.759	ug/l	98
67) Ethyl Benzene	11.964	91	494952	51.372	ug/l	99
68) m/p-Xylenes	12.070	106	388681	106.855	ug/l	96
69) o-Xylene	12.400	106	181584	52.099	ug/l	96
70) Styrene	12.412	104	327353	56.844	ug/l	97
71) Bromoform	12.576	173	90273	56.294	ug/l #	99
73) Isopropylbenzene	12.694	105	464402	47.815	ug/l	99
74) N-amyl acetate	12.494	43	203822	50.734	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	152457	52.412	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	138946m	60.296	ug/l	
77) Bromobenzene	12.982	156	119311	47.617	ug/l	97
78) n-propylbenzene	13.035	91	562488	50.370	ug/l	100
79) 2-Chlorotoluene	13.123	91	337243	47.397	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	388147	49.440	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	58713	50.109	ug/l	90
82) 4-Chlorotoluene	13.223	91	335627	47.656	ug/l	96
83) tert-Butylbenzene	13.441	119	325465	46.761	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	396859	49.596	ug/l	97
85) sec-Butylbenzene	13.617	105	460380	48.948	ug/l	100
86) p-Isopropyltoluene	13.729	119	381736	48.646	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	222752	49.212	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	216085	46.161	ug/l	99
89) n-Butylbenzene	14.058	91	311080	46.272	ug/l	98
90) Hexachloroethane	14.335	117	78333	47.176	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	217094	49.398	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	30400	45.174	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	99465	42.017	ug/l	99
94) Hexachlorobutadiene	15.500	225	43448	41.401	ug/l	98
95) Naphthalene	15.641	128	346510	42.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	104371	42.880	ug/l	98

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

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