

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070824\
 Data File : VN082820.D
 Acq On : 08 Jul 2024 14:00
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070824

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/09/2024
 Supervised By : Mahesh Dadoda 07/09/2024

Quant Time: Jul 08 17:42:03 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	8.230	168	152531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	259509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	240060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	117187	54.807	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.620%			
35) Dibromofluoromethane	8.171	113	90660	54.444	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.880%			
50) Toluene-d8	10.571	98	341769	55.569	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.140%			
62) 4-Bromofluorobenzene	12.853	95	122835	55.600	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 111.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	107006	54.187	ug/l	100
3) Chloromethane	2.359	50	97483	52.053	ug/l	95
4) Vinyl Chloride	2.512	62	106519	54.157	ug/l	98
5) Bromomethane	2.942	94	68150	48.057	ug/l	98
6) Chloroethane	3.106	64	71388	53.039	ug/l	97
7) Trichlorofluoromethane	3.489	101	157642	55.726	ug/l	100
8) Diethyl Ether	3.959	74	52545	54.273	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.365	101	87304	54.528	ug/l	98
10) Methyl Iodide	4.583	142	93380	56.887	ug/l	97
11) Tert butyl alcohol	5.530	59	97296	270.546	ug/l	98
12) 1,1-Dichloroethene	4.336	96	81058	52.057	ug/l	90
13) Acrolein	4.177	56	69560	267.907	ug/l	99
14) Allyl chloride	5.024	41	135904	55.978	ug/l	91
15) Acrylonitrile	5.718	53	222990	269.806	ug/l	100
16) Acetone	4.430	43	197341	262.144	ug/l	98
17) Carbon Disulfide	4.706	76	228142	49.033	ug/l	100
18) Methyl Acetate	5.024	43	107647	54.041	ug/l #	91
19) Methyl tert-butyl Ether	5.800	73	287552	53.536	ug/l	96
20) Methylene Chloride	5.277	84	90153	49.589	ug/l #	84
21) trans-1,2-Dichloroethene	5.783	96	87232	51.703	ug/l	89
22) Diisopropyl ether	6.677	45	278566	54.845	ug/l #	96
23) Vinyl Acetate	6.606	43	1124783	278.856	ug/l #	94
24) 1,1-Dichloroethane	6.565	63	163804	53.167	ug/l	98
25) 2-Butanone	7.482	43	314892	277.027	ug/l #	90
26) 2,2-Dichloropropane	7.488	77	153876	53.717	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	104065	52.685	ug/l	91
28) Bromochloromethane	7.812	49	62059	46.954	ug/l #	80
29) Tetrahydrofuran	7.841	42	204792	286.181	ug/l #	86
30) Chloroform	7.971	83	173483	53.078	ug/l	100
31) Cyclohexane	8.259	56	141440	50.597	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	160688	52.952	ug/l	97
36) 1,1-Dichloropropene	8.371	75	122535	53.372	ug/l	98
37) Ethyl Acetate	7.565	43	126136	53.964	ug/l #	95
38) Carbon Tetrachloride	8.365	117	148106	53.578	ug/l	99
39) Methylcyclohexane	9.600	83	136244	54.938	ug/l	90
40) Benzene	8.606	78	373044	52.823	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	67540	53.635	ug/l	92
42) 1,2-Dichloroethane	8.677	62	135539	53.312	ug/l	97
43) Isopropyl Acetate	8.694	43	230528	52.450	ug/l #	94
44) Trichloroethene	9.359	130	93283	51.557	ug/l	95
45) 1,2-Dichloropropane	9.624	63	90950	55.163	ug/l	94
46) Dibromomethane	9.712	93	69000	53.719	ug/l	98
47) Bromodichloromethane	9.888	83	142152	53.561	ug/l	100
48) Methyl methacrylate	9.682	41	99977	54.549	ug/l #	86
49) 1,4-Dioxane	9.700	88	43131	1084.006	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	660685	285.114	ug/l	94
52) Toluene	10.629	92	242160	54.892	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	149040	54.511	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	154054	53.232	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	88835	54.761	ug/l	97
56) Ethyl methacrylate	10.876	69	151260	59.933	ug/l	85
57) 1,3-Dichloropropane	11.165	76	154693	53.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	358819	277.070	ug/l	95
59) 2-Hexanone	11.200	43	509934	295.983	ug/l	92
60) Dibromochloromethane	11.365	129	112352	54.377	ug/l	100
61) 1,2-Dibromoethane	11.470	107	93846	54.475	ug/l	99
64) Tetrachloroethene	11.106	164	91945	51.337	ug/l	98
65) Chlorobenzene	11.894	112	263417	51.208	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	95172	52.014	ug/l	100
67) Ethyl Benzene	11.965	91	462427	53.486	ug/l	99
68) m/p-Xylenes	12.076	106	359605	110.170	ug/l	96
69) o-Xylene	12.400	106	173525	55.482	ug/l	95
70) Styrene	12.412	104	293092	56.716	ug/l	99
71) Bromoform	12.582	173	79198	55.037	ug/l #	100
73) Isopropylbenzene	12.700	105	436975	52.314	ug/l	98
74) N-amyl acetate	12.494	43	190052	55.007	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	128354	51.308	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	105883m	53.427	ug/l	
77) Bromobenzene	12.982	156	109585	50.854	ug/l	94
78) n-propylbenzene	13.035	91	507915	52.886	ug/l	98
79) 2-Chlorotoluene	13.129	91	310265	50.703	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	366501	54.281	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	53757	53.347	ug/l	98
82) 4-Chlorotoluene	13.223	91	309386	51.081	ug/l	97
83) tert-Butylbenzene	13.441	119	316078	52.804	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	371108	53.927	ug/l	99
85) sec-Butylbenzene	13.617	105	428218	52.939	ug/l	99
86) p-Isopropyltoluene	13.729	119	368589	54.616	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	198714	51.047	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	196429	48.792	ug/l	99
89) n-Butylbenzene	14.059	91	303653	52.519	ug/l	99
90) Hexachloroethane	14.335	117	73035	51.145	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	189946	50.255	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28587	49.395	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	102219	50.208	ug/l	99
94) Hexachlorobutadiene	15.500	225	42108	46.655	ug/l	96
95) Naphthalene	15.641	128	361052	51.778	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	102586	49.006	ug/l	98

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

