

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070824\
 Data File : VN082818.D
 Acq On : 08 Jul 2024 12:47
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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

Quant Time: Jul 08 13:44:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:42:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	138442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	242258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	86329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	64 - 133	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	1696	0.946	ug/l	96
3) Chloromethane	2.359	50	2007	1.181	ug/l	92
4) Vinyl Chloride	2.512	62	1803	1.010	ug/l	89
6) Chloroethane	3.118	64	1241	1.016	ug/l	89
7) Trichlorofluoromethane	3.495	101	2867	1.117	ug/l	91
8) Diethyl Ether	3.959	74	765	0.871	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	1393	0.959	ug/l #	92
12) 1,1-Dichloroethene	4.347	96	1490	1.054	ug/l	82
14) Allyl chloride	5.012	41	2157	0.979	ug/l #	91
15) Acrylonitrile	5.736	53	4095	5.459	ug/l	90
16) Acetone	4.442	43	4151	6.075	ug/l #	78
17) Carbon Disulfide	4.706	76	5248	1.243	ug/l #	93
18) Methyl Acetate	5.036	43	2180	1.206	ug/l #	89
19) Methyl tert-butyl Ether	5.800	73	4979	1.021	ug/l	97
20) Methylene Chloride	5.259	84	2008m	1.217	ug/l	
21) trans-1,2-Dichloroethene	5.789	96	1679	1.096	ug/l #	85
22) Diisopropyl ether	6.683	45	4502	0.977	ug/l	94
23) Vinyl Acetate	6.612	43	17020	4.649	ug/l #	93
24) 1,1-Dichloroethane	6.571	63	2693	0.963	ug/l #	79
25) 2-Butanone	7.488	43	5599	5.427	ug/l #	71
26) 2,2-Dichloropropane	7.494	77	2404	0.925	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	1850	1.032	ug/l	82
28) Bromochloromethane	7.812	49	1233	1.028	ug/l #	77
29) Tetrahydrofuran	7.847	42	3288	5.062	ug/l	92
30) Chloroform	7.965	83	3019	1.018	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	2682	0.974	ug/l #	52
36) 1,1-Dichloropropene	8.377	75	2107	0.983	ug/l	95
37) Ethyl Acetate	7.565	43	2331	1.068	ug/l #	88
38) Carbon Tetrachloride	8.365	117	2514	0.974	ug/l	91
39) Methylcyclohexane	9.600	83	2263	0.977	ug/l #	83
40) Benzene	8.612	78	6736	1.022	ug/l	92
41) Methacrylonitrile	7.788	41	1171	0.996	ug/l #	78
42) 1,2-Dichloroethane	8.682	62	2349	0.990	ug/l	84
43) Isopropyl Acetate	8.694	43	16269m	1.049	ug/l	
44) Trichloroethene	9.359	130	1822	1.079	ug/l	85
45) 1,2-Dichloropropane	9.618	63	1435	0.932	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	1141	0.952	ug/l	99
47) Bromodichloromethane	9.894	83	2494	1.007	ug/l #	95
48) Methyl methacrylate	9.682	41	1641	0.959	ug/l #	85
49) 1,4-Dioxane	9.706	88	486	13.396	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	10358	4.788	ug/l	99
52) Toluene	10.629	92	3949	0.959	ug/l	92
53) t-1,3-Dichloropropene	10.841	75	2384	0.934	ug/l	93
54) cis-1,3-Dichloropropene	10.318	75	2687	0.995	ug/l #	82
55) 1,1,2-Trichloroethane	11.024	97	1331	0.879	ug/l #	90
56) Ethyl methacrylate	10.882	69	1989	0.844	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	2689	1.003	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	4739	3.920	ug/l #	89
59) 2-Hexanone	11.194	43	7006	4.356	ug/l	94
60) Dibromochloromethane	11.359	129	1850	0.959	ug/l	89
61) 1,2-Dibromoethane	11.465	107	1475	0.917	ug/l	99
64) Tetrachloroethene	11.100	164	1598	1.023	ug/l #	83
65) Chlorobenzene	11.894	112	4543	1.012	ug/l #	82
66) 1,1,1,2-Tetrachloroethane	11.965	131	1569	0.983	ug/l #	65
67) Ethyl Benzene	11.965	91	7237	0.959	ug/l #	87
68) m/p-Xylenes	12.071	106	5131	1.802	ug/l	98
69) o-Xylene	12.400	106	2324	0.852	ug/l	97
70) Styrene	12.412	104	3873	0.859	ug/l	97
71) Bromoform	12.582	173	1062	0.846	ug/l #	86
73) Isopropylbenzene	12.700	105	5971	0.952	ug/l	95
74) N-amyl acetate	12.494	43	2436	0.939	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	1965	1.046	ug/l	89
76) 1,2,3-Trichloropropane	13.000	75	1367m	0.886	ug/l	
77) Bromobenzene	12.982	156	1705	1.054	ug/l	92
78) n-propylbenzene	13.041	91	6915	0.959	ug/l	93
79) 2-Chlorotoluene	13.129	91	4892	1.065	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	4756	0.938	ug/l	94
82) 4-Chlorotoluene	13.223	91	4515	0.993	ug/l	97
83) tert-Butylbenzene	13.447	119	4313	0.959	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	4634	0.897	ug/l	100
85) sec-Butylbenzene	13.612	105	5598	0.922	ug/l	99
86) p-Isopropyltoluene	13.729	119	4564	0.900	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	3061	1.047	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	3599m	1.190	ug/l	
89) n-Butylbenzene	14.059	91	4167	0.960	ug/l	92
90) Hexachloroethane	14.329	117	1056	0.985	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	3099	1.092	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	460	1.058	ug/l	78
93) 1,2,4-Trichlorobenzene	15.400	180	1592	1.041	ug/l	97
94) Hexachlorobutadiene	15.500	225	775	1.143	ug/l	93
95) Naphthalene	15.641	128	5553	1.060	ug/l	95
96) 1,2,3-Trichlorobenzene	15.835	180	1756	1.117	ug/l	95

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

