

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020224\
 Data File : VN080875.D
 Acq On : 02 Feb 2024 15:42
 Operator : JC\MD
 Sample : VN0202WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0202WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/05/2024
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Feb 02 23:50:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	94096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	193945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	171977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	67256	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	78649	48.315	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.620%
35) Dibromofluoromethane	8.165	113	55018	46.368	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.740%
50) Toluene-d8	10.571	98	210454	45.316	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.640%
62) 4-Bromofluorobenzene	12.853	95	71672	44.287	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.580%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	26424	18.906	ug/l	88
3) Chloromethane	2.359	50	38120	18.145	ug/l	94
4) Vinyl Chloride	2.512	62	29418	18.419	ug/l	93
5) Bromomethane	2.953	94	14452	22.622	ug/l	97
6) Chloroethane	3.118	64	19987	23.472	ug/l	94
7) Trichlorofluoromethane	3.495	101	40405	19.546	ug/l	98
8) Diethyl Ether	3.959	74	18023	18.900	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	23424	19.433	ug/l	94
10) Methyl Iodide	4.583	142	20071	19.725	ug/l #	88
11) Tert butyl alcohol	5.512	59	29071	109.555	ug/l #	86
12) 1,1-Dichloroethene	4.330	96	26070	19.738	ug/l	90
13) Acrolein	4.177	56	37539	112.182	ug/l	96
14) Allyl chloride	5.024	41	54319	20.807	ug/l	99
15) Acrylonitrile	5.718	53	86011	107.776	ug/l	98
16) Acetone	4.424	43	68475	115.986	ug/l	97
17) Carbon Disulfide	4.718	76	71260	17.330	ug/l	96
18) Methyl Acetate	5.024	43	48721	23.680	ug/l #	83
19) Methyl tert-butyl Ether	5.794	73	94322	20.267	ug/l	93
20) Methylene Chloride	5.277	84	31013	20.012	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	28198	19.651	ug/l	97
22) Diisopropyl ether	6.671	45	120216	20.870	ug/l	98
23) Vinyl Acetate	6.606	43	460129	110.399	ug/l	100
24) 1,1-Dichloroethane	6.571	63	61216	20.955	ug/l	96
25) 2-Butanone	7.477	43	122524	109.264	ug/l	96
26) 2,2-Dichloropropane	7.488	77	48688	20.620	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	32187	19.378	ug/l	94
28) Bromochloromethane	7.812	49	33823	21.868	ug/l	100
29) Tetrahydrofuran	7.835	42	80472	106.055	ug/l	99
30) Chloroform	7.965	83	54327	20.017	ug/l	92
31) Cyclohexane	8.253	56	53965	19.333	ug/l #	96
32) 1,1,1-Trichloroethane	8.171	97	44604	20.267	ug/l	93
36) 1,1-Dichloropropene	8.371	75	42773	19.394	ug/l	95
37) Ethyl Acetate	7.565	43	46571	20.513	ug/l	99
38) Carbon Tetrachloride	8.365	117	34637	19.492	ug/l	95
39) Methylcyclohexane	9.606	83	39443	17.993	ug/l	90
40) Benzene	8.606	78	137612	21.230	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	26758	19.997	ug/l	97
42) 1,2-Dichloroethane	8.677	62	46512	22.025	ug/l	100
43) Isopropyl Acetate	8.688	43	83279	20.148	ug/l	99
44) Trichloroethene	9.353	130	26529	18.582	ug/l	95
45) 1,2-Dichloropropane	9.624	63	35915	20.474	ug/l	95
46) Dibromomethane	9.706	93	20926	20.124	ug/l	97
47) Bromodichloromethane	9.888	83	43476	20.593	ug/l #	98
48) Methyl methacrylate	9.682	41	37988	18.957	ug/l	94
49) 1,4-Dioxane	9.694	88	11263	466.613	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	254509	110.144	ug/l	97
52) Toluene	10.629	92	76770	20.656	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	46666	18.974	ug/l	89
54) cis-1,3-Dichloropropene	10.312	75	53103	19.855	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	29229	20.464	ug/l	92
56) Ethyl methacrylate	10.876	69	47536	21.650	ug/l	96
57) 1,3-Dichloropropane	11.165	76	52943	19.696	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.165	63	142439	111.281	ug/l	100
59) 2-Hexanone	11.194	43	190476	106.122	ug/l	96
60) Dibromochloromethane	11.365	129	25708	19.351	ug/l	94
61) 1,2-Dibromoethane	11.471	107	27206	20.324	ug/l	93
64) Tetrachloroethene	11.106	164	21824	19.307	ug/l	91
65) Chlorobenzene	11.888	112	74381	19.817	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	23454	19.216	ug/l	97
67) Ethyl Benzene	11.965	91	134213	19.239	ug/l	100
68) m/p-Xylenes	12.071	106	96357	38.893	ug/l	96
69) o-Xylene	12.400	106	48046	19.517	ug/l	98
70) Styrene	12.412	104	79743	20.170	ug/l	98
71) Bromoform	12.582	173	15826	19.177	ug/l #	100
73) Isopropylbenzene	12.700	105	117698	19.110	ug/l	98
74) N-amyl acetate	12.494	43	73290	19.166	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	44433	20.509	ug/l	95
76) 1,2,3-Trichloropropane	13.000	75	39005m	19.229	ug/l	
77) Bromobenzene	12.982	156	24252	18.421	ug/l	91
78) n-propylbenzene	13.041	91	145489	19.773	ug/l	98
79) 2-Chlorotoluene	13.129	91	87083	18.621	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	94290	19.223	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	14121	17.934	ug/l	88
82) 4-Chlorotoluene	13.223	91	88092	19.024	ug/l	96
83) tert-Butylbenzene	13.441	119	76444	19.516	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	96349	19.387	ug/l	99
85) sec-Butylbenzene	13.617	105	113253	19.612	ug/l	98
86) p-Isopropyltoluene	13.735	119	85357	19.020	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	45130	19.164	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	44788	18.970	ug/l	97
89) n-Butylbenzene	14.059	91	80226	18.268	ug/l	99
90) Hexachloroethane	14.335	117	14372	18.302	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	45801	21.250	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	7451	18.400	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	21183	19.095	ug/l	96
94) Hexachlorobutadiene	15.506	225	8648	17.844	ug/l	97
95) Naphthalene	15.641	128	84166	19.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	24184	22.179	ug/l	99

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

