

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070824\
 Data File : VN082823.D
 Acq On : 08 Jul 2024 15:33
 Operator : JC\MD
 Sample : VN0708WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS01

Manual Integrations
 APPROVED

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

Quant Time: Jul 08 17:43:36 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	130894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	221841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	201936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	99007	53.959	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.920%			
35) Dibromofluoromethane	8.171	113	74704	52.479	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.960%			
50) Toluene-d8	10.571	98	280044	53.264	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.853	95	96847	51.280	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 102.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	39394	23.246	ug/l	94
3) Chloromethane	2.359	50	34757	21.627	ug/l	96
4) Vinyl Chloride	2.512	62	38103	22.575	ug/l	97
5) Bromomethane	2.948	94	26436	21.723	ug/l	96
6) Chloroethane	3.112	64	25070	21.705	ug/l	95
7) Trichlorofluoromethane	3.489	101	51479	21.206	ug/l	94
8) Diethyl Ether	3.959	74	18151	21.847	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.371	101	31209	22.715	ug/l	98
10) Methyl Iodide	4.589	142	27561	19.566	ug/l	96
11) Tert butyl alcohol	5.530	59	35846	116.152	ug/l	97
12) 1,1-Dichloroethene	4.342	96	29245	21.886	ug/l	86
13) Acrolein	4.183	56	24786	111.242	ug/l	97
14) Allyl chloride	5.030	41	44424	21.323	ug/l	95
15) Acrylonitrile	5.724	53	80060	112.881	ug/l	99
16) Acetone	4.430	43	72991	112.988	ug/l	92
17) Carbon Disulfide	4.712	76	82329	20.619	ug/l	98
18) Methyl Acetate	5.024	43	39410	23.055	ug/l #	91
19) Methyl tert-butyl Ether	5.800	73	99365	21.558	ug/l	99
20) Methylene Chloride	5.271	84	33482	21.461	ug/l #	81
21) trans-1,2-Dichloroethene	5.783	96	30071	20.770	ug/l	88
22) Diisopropyl ether	6.683	45	97818	22.442	ug/l	97
23) Vinyl Acetate	6.606	43	395397	114.231	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	58818	22.247	ug/l	100
25) 2-Butanone	7.489	43	112502	115.335	ug/l #	88
26) 2,2-Dichloropropane	7.489	77	53087	21.596	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	35590	20.997	ug/l	92
28) Bromochloromethane	7.812	49	23559	20.771	ug/l #	82
29) Tetrahydrofuran	7.841	42	73942	120.409	ug/l #	86
30) Chloroform	7.971	83	61397	21.890	ug/l	99
31) Cyclohexane	8.259	56	50485	21.045	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	57011	21.892	ug/l	97
36) 1,1-Dichloropropene	8.371	75	42553	21.682	ug/l	99
37) Ethyl Acetate	7.565	43	45353	22.698	ug/l	96
38) Carbon Tetrachloride	8.365	117	51376	21.741	ug/l	97
39) Methylcyclohexane	9.606	83	44515	20.998	ug/l	87
40) Benzene	8.606	78	130524	21.620	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	24226	22.505	ug/l	94
42) 1,2-Dichloroethane	8.671	62	48388	22.264	ug/l	98
43) Isopropyl Acetate	8.694	43	86554	21.268	ug/l	97
44) Trichloroethene	9.353	130	32029	20.708	ug/l	98
45) 1,2-Dichloropropane	9.624	63	32015	22.715	ug/l	100
46) Dibromomethane	9.712	93	24073	21.924	ug/l	97
47) Bromodichloromethane	9.888	83	48525	21.388	ug/l	98
48) Methyl methacrylate	9.683	41	35044	22.367	ug/l #	87
49) 1,4-Dioxane	9.694	88	15664	453.965	ug/l	90
51) 4-Methyl-2-Pentanone	10.447	43	235776	119.024	ug/l	95
52) Toluene	10.630	92	82790	21.953	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	50708	21.696	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	51909	20.982	ug/l	90
55) 1,1,2-Trichloroethane	11.018	97	31252	22.536	ug/l	94
56) Ethyl methacrylate	10.877	69	49250	22.827	ug/l	88
57) 1,3-Dichloropropane	11.165	76	53937	21.973	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	133728	120.794	ug/l	94
59) 2-Hexanone	11.200	43	178329	121.084	ug/l	95
60) Dibromochloromethane	11.359	129	38899	22.023	ug/l	97
61) 1,2-Dibromoethane	11.471	107	32454	22.037	ug/l	97
64) Tetrachloroethene	11.106	164	31775	21.091	ug/l	99
65) Chlorobenzene	11.894	112	91156	21.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	32228	20.939	ug/l	99
67) Ethyl Benzene	11.965	91	152788	21.009	ug/l	99
68) m/p-Xylenes	12.071	106	118556	43.179	ug/l	95
69) o-Xylene	12.400	106	56792	21.587	ug/l	94
70) Styrene	12.412	104	93011	21.397	ug/l	99
71) Bromoform	12.582	173	25817	21.328	ug/l #	96
73) Isopropylbenzene	12.700	105	143062	20.767	ug/l	99
74) N-amyl acetate	12.494	43	62051	21.776	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	45255	21.935	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	35220m	21.548	ug/l	
77) Bromobenzene	12.982	156	35892	20.196	ug/l	97
78) n-propylbenzene	13.035	91	163668	20.663	ug/l	97
79) 2-Chlorotoluene	13.129	91	101710	20.154	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	117328	21.070	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	19106	22.989	ug/l	84
82) 4-Chlorotoluene	13.223	91	101477	20.315	ug/l	100
83) tert-Butylbenzene	13.441	119	99353	20.125	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	117831	20.761	ug/l	96
85) sec-Butylbenzene	13.618	105	136434	20.451	ug/l	100
86) p-Isopropyltoluene	13.729	119	113669	20.422	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	64789	20.180	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	64353	19.382	ug/l	99
89) n-Butylbenzene	14.059	91	93030	19.509	ug/l	99
90) Hexachloroethane	14.335	117	22373	18.997	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	63684	20.430	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10343	21.669	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	31978	19.045	ug/l	100
94) Hexachlorobutadiene	15.506	225	13386	17.983	ug/l	99
95) Naphthalene	15.641	128	111910	19.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	32613	18.890	ug/l	98

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

