

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062410.D
 Acq On : 8 Jul 2020 16:14
 Operator : JC/MD
 Sample : VN0708WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:08 AM

Quant Time: Jul 09 02:37:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	185079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	324006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	298289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129533	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	147146	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.55	113	102642	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.06	98	408763	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.38	95	143638	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38007	20.161	ug/l	99
3) Chloromethane	2.04	50	58428	19.316	ug/l	96
4) Vinyl Chloride	2.16	62	50479	20.369	ug/l	98
5) Bromomethane	2.53	94	27439	20.615	ug/l	99
6) Chloroethane	2.67	64	29968	20.762	ug/l	99
7) Trichlorofluoromethane	2.98	101	64773	20.579	ug/l	98
8) Diethyl Ether	3.37	74	29000	20.605	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	38506	20.637	ug/l	99
10) Methyl Iodide	3.91	142	47257	19.182	ug/l	100
11) Tert butyl alcohol	4.73	59	46918	99.355	ug/l	98
12) 1,1-Dichloroethene	3.70	96	38388	20.208	ug/l	96
13) Acrolein	3.57	56	30271	88.861	ug/l	99
14) Allyl chloride	4.28	41	89026	19.926	ug/l	99
15) Acrylonitrile	4.93	53	131075	105.834	ug/l	100
16) Acetone	3.78	43	113374	93.806	ug/l	99
17) Carbon Disulfide	4.01	76	118772	19.953	ug/l	98
18) Methyl Acetate	4.28	43	62304	20.657	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	147069	20.420	ug/l	99
20) Methylene Chloride	4.50	84	49137	19.015	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	42427	20.616	ug/l	94
22) Diisopropyl ether	5.90	45	185462	21.011	ug/l	98
23) Vinyl Acetate	5.84	43	760551	104.014	ug/l	99
24) 1,1-Dichloroethane	5.80	63	94464	20.711	ug/l	99
25) 2-Butanone	6.79	43	181115	102.609	ug/l	100
26) 2,2-Dichloropropane	6.78	77	68978	19.723	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	50119	21.025	ug/l	98
28) Bromochloromethane	7.15	49	47224	19.057	ug/l	98
29) Tetrahydrofuran	7.17	42	125802	105.862	ug/l	99
30) Chloroform	7.33	83	86382	20.975	ug/l	98
31) Cyclohexane	7.61	56	85025	19.663	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	70019	20.440	ug/l	98
36) 1,1-Dichloropropene	7.75	75	65391	20.032	ug/l	99
37) Ethyl Acetate	6.89	43	78649	20.605	ug/l	99
38) Carbon Tetrachloride	7.73	117	60273	20.538	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	70414	20.205	ug/l	98
40) Benzene	8.00	78	197180	20.495	ug/l	100
41) Methacrylonitrile	7.13	41	35952	22.544	ug/l	92
42) 1,2-Dichloroethane	8.08	62	74571	21.169	ug/l	99
43) Isopropyl Acetate	8.13	43	123643	20.505	ug/l	98
44) Trichloroethene	8.80	130	43780	20.510	ug/l	99
45) 1,2-Dichloropropane	9.08	63	58169	20.828	ug/l	97
46) Dibromomethane	9.17	93	31967	20.283	ug/l	99
47) Bromodichloromethane	9.37	83	68330	20.278	ug/l	100
48) Methyl methacrylate	9.17	41	59802	20.218	ug/l	99
49) 1,4-Dioxane	9.17	88	18534	430.510	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	381721	105.990	ug/l	100
52) Toluene	10.12	92	113855	20.488	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	75029	19.875	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	83528	20.054	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	45494	20.815	ug/l	97
56) Ethyl methacrylate	10.40	69	75339	19.801	ug/l	98
57) 1,3-Dichloropropane	10.68	76	83183	20.601	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	127520	98.347	ug/l	99
59) 2-Hexanone	10.72	43	271038	103.664	ug/l	100
60) Dibromochloromethane	10.87	129	46771	19.736	ug/l	96
61) 1,2-Dibromoethane	10.98	107	45931	20.818	ug/l	97
64) Tetrachloroethene	10.60	164	36166	20.432	ug/l	98
65) Chlorobenzene	11.41	112	115543	19.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	42624	19.938	ug/l	99
67) Ethyl Benzene	11.48	91	216143	19.862	ug/l	99
68) m/p-Xylenes	11.60	106	155634	40.400	ug/l	100
69) o-Xylene	11.92	106	75443	20.114	ug/l	100
70) Styrene	11.94	104	126210	20.360	ug/l	100
71) Bromoform	12.10	173	31856	20.326	ug/l #	99
73) Isopropylbenzene	12.22	105	204479	20.400	ug/l	100
74) N-amyl acetate	12.05	43	102115	20.931	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	69515	20.626	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	62016m	19.512	ug/l	
77) Bromobenzene	12.50	156	46251	20.297	ug/l	97
78) n-propylbenzene	12.57	91	238285	20.351	ug/l	99
79) 2-Chlorotoluene	12.65	91	143938	20.255	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	170061	20.696	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	23030	19.395	ug/l	98
82) 4-Chlorotoluene	12.75	91	146643	20.327	ug/l	99
83) tert-Butylbenzene	12.97	119	142695	20.463	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	162754	19.927	ug/l	98
85) sec-Butylbenzene	13.15	105	187518	20.293	ug/l	100
86) p-Isopropyltoluene	13.26	119	163718	20.528	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	78625	20.000	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	78936	19.514	ug/l	98
89) n-Butylbenzene	13.59	91	135320	19.217	ug/l	99
90) Hexachloroethane	13.85	117	31839	20.295	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	77498	20.389	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	13069	21.249	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	34442	20.255	ug/l	97
94) Hexachlorobutadiene	14.98	225	20400	20.214	ug/l	99
95) Naphthalene	15.10	128	91944	19.991	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	35425	19.414	ug/l	100

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

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