

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055891.D
 Acq On : 30 May 2019 11:18
 Operator : JC/SP
 Sample : VN0530WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:14 AM

Quant Time: May 30 19:09:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	301681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	451792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	397161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155696	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	167569	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.59	113	144889	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.09	98	548733	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	180941	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	37288	18.365	ug/l	99
3) Chloromethane	2.06	50	53211	18.705	ug/l	98
4) Vinyl Chloride	2.18	62	57916	19.088	ug/l	99
5) Bromomethane	2.52	94	41592m	21.911	ug/l	
6) Chloroethane	2.68	64	37001	20.255	ug/l	97
7) Trichlorofluoromethane	3.00	101	79831	20.069	ug/l	99
8) Diethyl Ether	3.40	74	36877	20.684	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	49752	20.036	ug/l	98
10) Methyl Iodide	3.94	142	70737	19.485	ug/l	99
11) Tert butyl alcohol	4.82	59	77003m	129.358	ug/l	
12) 1,1-Dichloroethene	3.72	96	50122	19.535	ug/l	100
13) Acrolein	3.60	56	31838	74.695	ug/l	99
14) Allyl chloride	4.31	41	85888	19.527	ug/l	99
15) Acrylonitrile	4.99	53	146941	107.500	ug/l	99
16) Acetone	3.82	43	153221	111.880	ug/l	98
17) Carbon Disulfide	4.04	76	114641	15.727	ug/l	99
18) Methyl Acetate	4.33	43	67357	23.523	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	176545	20.632	ug/l	100
20) Methylene Chloride	4.54	84	60458	20.384	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	54071	19.616	ug/l	98
22) Diisopropyl ether	5.95	45	180365	21.084	ug/l	98
23) Vinyl Acetate	5.90	43	742076	101.173	ug/l	100
24) 1,1-Dichloroethane	5.84	63	100810	20.240	ug/l	99
25) 2-Butanone	6.84	43	207164	108.313	ug/l	100
26) 2,2-Dichloropropane	6.82	77	81148	18.825	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	64839	20.162	ug/l	98
28) Bromochloromethane	7.19	49	54155	22.836	ug/l	96
29) Tetrahydrofuran	7.22	42	131792	108.809	ug/l	99
30) Chloroform	7.37	83	102202	20.575	ug/l	98
31) Cyclohexane	7.65	56	92183	19.713	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	86260	19.460	ug/l	99
36) 1,1-Dichloropropene	7.79	75	74008	18.797	ug/l	99
37) Ethyl Acetate	6.93	43	77502	20.367	ug/l	99
38) Carbon Tetrachloride	7.77	117	72696	17.726	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	91717	18.812	ug/l	98
40) Benzene	8.04	78	237313	20.000	ug/l	100
41) Methacrylonitrile	7.17	41	33951	17.660	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	79995	20.631	ug/l	100
43) Isopropyl Acetate	8.17	43	126278	19.751	ug/l #	92
44) Trichloroethene	8.83	130	64321	19.444	ug/l	97
45) 1,2-Dichloropropane	9.12	63	61861	20.010	ug/l	99
46) Dibromomethane	9.21	93	41145	20.293	ug/l	98
47) Bromodichloromethane	9.40	83	77705	18.691	ug/l	99
48) Methyl methacrylate	9.20	41	60725	20.608	ug/l	99
49) 1,4-Dioxane	9.20	88	25252	412.390	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	387542	102.632	ug/l	100
52) Toluene	10.16	92	149460	20.027	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	79070	17.818	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	91913	18.696	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	59588	19.931	ug/l	98
56) Ethyl methacrylate	10.43	69	90435	19.573	ug/l	97
57) 1,3-Dichloropropane	10.71	76	98805	20.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	168999	95.709	ug/l	99
59) 2-Hexanone	10.75	43	272344	101.668	ug/l	99
60) Dibromochloromethane	10.90	129	60714	17.432	ug/l	98
61) 1,2-Dibromoethane	11.00	107	62022	20.000	ug/l	98
64) Tetrachloroethene	10.63	164	64725	19.322	ug/l	97
65) Chlorobenzene	11.43	112	157068	19.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	58476	18.441	ug/l	98
67) Ethyl Benzene	11.51	91	280453	19.670	ug/l	99
68) m/p-Xylenes	11.62	106	211760	39.286	ug/l	100
69) o-Xylene	11.95	106	105972	19.816	ug/l	99
70) Styrene	11.96	104	168796	19.491	ug/l	100
71) Bromoform	12.13	173	42132	15.577	ug/l #	100
73) Isopropylbenzene	12.25	105	277616	23.661	ug/l	100
74) N-amyl acetate	12.07	43	96692	21.642	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	81272	22.988	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	68045m	23.726	ug/l	
77) Bromobenzene	12.53	156	69082	20.793	ug/l	97
78) n-propylbenzene	12.59	91	288964	21.354	ug/l	100
79) 2-Chlorotoluene	12.67	91	179488	23.261	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	224151	22.644	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21181	18.304	ug/l	90
82) 4-Chlorotoluene	12.77	91	166628	20.948	ug/l	99
83) tert-Butylbenzene	12.99	119	201265	23.364	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	220639	22.415	ug/l	100
85) sec-Butylbenzene	13.17	105	255821	23.139	ug/l	99
86) p-Isopropyltoluene	13.29	119	227577	21.048	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	107283	20.393	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	100181	20.029	ug/l	98
89) n-Butylbenzene	13.61	91	165061	19.924	ug/l	100
90) Hexachloroethane	13.87	117	36893	17.926	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	108790	20.727	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13162	19.079	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45361	17.565	ug/l	100
94) Hexachlorobutadiene	15.01	225	38462	19.716	ug/l	98
95) Naphthalene	15.13	128	133711	18.565	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51648	18.615	ug/l	100

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

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