

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055480.D
 Acq On : 8 May 2019 17:24
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 6:32:52 PM

Quant Time: May 09 04:00:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 03:36:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	711208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1256737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1075926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	231012	24.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.14%	
35) Dibromofluoromethane	7.59	113	172359	20.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.66%	
50) Toluene-d8	10.09	98	675268	22.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.48%	
62) 4-Bromofluorobenzene	12.40	95	222476	23.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	145456	17.446	ug/l	99
3) Chloromethane	2.06	50	238342	21.929	ug/l	99
4) Vinyl Chloride	2.19	62	228247	25.203	ug/l	99
5) Bromomethane	2.55	94	125006	25.767	ug/l	99
6) Chloroethane	2.69	64	134850	27.102	ug/l	96
7) Trichlorofluoromethane	3.01	101	251227	20.329	ug/l	97
8) Diethyl Ether	3.41	74	111800	24.877	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156938	21.182	ug/l	99
10) Methyl Iodide	3.95	142	223233	21.467	ug/l	100
11) Tert butyl alcohol	4.82	59	164307	219.672	ug/l	98
12) 1,1-Dichloroethene	3.73	96	159382	22.300	ug/l	99
13) Acrolein	3.61	56	106031	197.643	ug/l	100
14) Allyl chloride	4.32	41	324552	21.928	ug/l	99
15) Acrylonitrile	5.00	53	527408	159.041	ug/l	99
16) Acetone	3.82	43	521063	160.692	ug/l	98
17) Carbon Disulfide	4.04	76	427636	22.823	ug/l	100
18) Methyl Acetate	4.33	43	221548	24.718	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	534097	25.814	ug/l	99
20) Methylene Chloride	4.55	84	202121	22.331	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	173249	22.818	ug/l	93
22) Diisopropyl ether	5.96	45	680875	23.028	ug/l	97
23) Vinyl Acetate	5.90	43	2672063	133.588	ug/l	99
24) 1,1-Dichloroethane	5.85	63	357132	22.670	ug/l	100
25) 2-Butanone	6.85	43	744969	174.881	ug/l	100
26) 2,2-Dichloropropane	6.82	77	225337	21.011	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	201054	23.161	ug/l	99
28) Bromochloromethane	7.20	49	197440	24.580	ug/l	99
29) Tetrahydrofuran	7.22	42	478332	175.272	ug/l	99
30) Chloroform	7.37	83	332161	22.324	ug/l	96
31) Cyclohexane	7.65	56	349831	23.154	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	253226	21.155	ug/l	99
36) 1,1-Dichloropropene	7.79	75	250411	20.481	ug/l	99
37) Ethyl Acetate	6.94	43	288346	28.607	ug/l	99
38) Carbon Tetrachloride	7.77	117	205109	17.888	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	299842	22.761	ug/l	99
40) Benzene	8.04	78	789197	21.841	ug/l	100
41) Methacrylonitrile	7.18	41	132727	25.486	ug/l	96
42) 1,2-Dichloroethane	8.13	62	270937	21.265	ug/l	100
43) Isopropyl Acetate	8.17	43	426576	26.781	ug/l	99
44) Trichloroethene	8.84	130	180848	19.875	ug/l	97
45) 1,2-Dichloropropane	9.12	63	221992	21.380	ug/l	99
46) Dibromomethane	9.21	93	129457	22.540	ug/l	99
47) Bromodichloromethane	9.40	83	246384	20.389	ug/l	98
48) Methyl methacrylate	9.20	41	201164	25.839	ug/l	99
49) 1,4-Dioxane	9.20	88	79816	825.359	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1398448	150.436	ug/l	99
52) Toluene	10.16	92	460373	22.184	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	238884	22.398	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	287276	21.759	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	184224	23.616	ug/l	98
56) Ethyl methacrylate	10.43	69	267886	26.843	ug/l	100
57) 1,3-Dichloropropane	10.71	76	325040	23.660	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	360249	133.031	ug/l	99
59) 2-Hexanone	10.75	43	989597	165.141	ug/l	99
60) Dibromochloromethane	10.90	129	167679	21.499	ug/l	98
61) 1,2-Dibromoethane	11.00	107	175689	24.133	ug/l	99
64) Tetrachloroethene	10.63	164	177092	20.010	ug/l	99
65) Chlorobenzene	11.43	112	446922	20.973	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	156549	19.117	ug/l	98
67) Ethyl Benzene	11.51	91	844445	21.846	ug/l	100
68) m/p-Xylenes	11.62	106	612682	44.301	ug/l	99
69) o-Xylene	11.95	106	299897	21.872	ug/l	100
70) Styrene	11.96	104	494855	23.382	ug/l	99
71) Bromoform	12.13	173	107337	22.958	ug/l #	98
73) Isopropylbenzene	12.25	105	803889	19.291	ug/l	99
74) N-amyl acetate	12.07	43	325279	28.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256692	23.272	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	221594m	22.355	ug/l	
77) Bromobenzene	12.53	156	174943	18.561	ug/l	98
78) n-propylbenzene	12.59	91	897039	20.794	ug/l	100
79) 2-Chlorotoluene	12.67	91	553666	20.069	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	661652	20.065	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62090	26.132	ug/l	95
82) 4-Chlorotoluene	12.77	91	521967	20.735	ug/l	100
83) tert-Butylbenzene	12.99	119	568956	19.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	626363	21.245	ug/l	99
85) sec-Butylbenzene	13.17	105	757004	21.049	ug/l	100
86) p-Isopropyltoluene	13.29	119	625040	21.176	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288537	20.552	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279255	21.110	ug/l	98
89) n-Butylbenzene	13.62	91	481010	22.602	ug/l	100
90) Hexachloroethane	13.87	117	99342	18.102	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	289279	20.769	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38863	31.895	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95250	21.432	ug/l	99
94) Hexachlorobutadiene	15.01	225	96777	18.939	ug/l	99
95) Naphthalene	15.13	128	268443	26.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	109969	23.606	ug/l	100

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

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