

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055747.D
 Acq On : 23 May 2019 11:00
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:11 AM

Quant Time: May 24 06:08:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	342841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	498395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	451890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	223287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	344638	92.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.06%	
35) Dibromofluoromethane	7.59	113	308467	97.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.20%	
50) Toluene-d8	10.09	98	1181331	98.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.20%	
62) 4-Bromofluorobenzene	12.40	95	426422	102.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	212424	82.041	ug/l	100
3) Chloromethane	2.06	50	311309	89.144	ug/l	98
4) Vinyl Chloride	2.18	62	329585	87.494	ug/l	100
5) Bromomethane	2.52	94	203164m	84.238	ug/l	
6) Chloroethane	2.67	64	190760	90.163	ug/l	99
7) Trichlorofluoromethane	3.00	101	433267	89.721	ug/l	100
8) Diethyl Ether	3.40	74	192408	97.924	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	270206	91.565	ug/l	99
10) Methyl Iodide	3.94	142	438757	102.436	ug/l	100
11) Tert butyl alcohol	4.82	59	341785	488.287	ug/l	100
12) 1,1-Dichloroethene	3.72	96	280379	90.266	ug/l	99
13) Acrolein	3.60	56	230378	572.203	ug/l	99
14) Allyl chloride	4.31	41	487560	97.097	ug/l	100
15) Acrylonitrile	4.99	53	769724	495.024	ug/l	100
16) Acetone	3.82	43	723940	470.950	ug/l	100
17) Carbon Disulfide	4.04	76	796620	92.322	ug/l	99
18) Methyl Acetate	4.32	43	310847	94.596	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	943119	92.014	ug/l	99
20) Methylene Chloride	4.54	84	319957	92.007	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	301815	91.337	ug/l	98
22) Diisopropyl ether	5.95	45	954503	95.605	ug/l	99
23) Vinyl Acetate	5.89	43	4127634	487.362	ug/l	100
24) 1,1-Dichloroethane	5.84	63	546440	93.966	ug/l	100
25) 2-Butanone	6.84	43	1059069	494.382	ug/l	100
26) 2,2-Dichloropropane	6.82	77	452737	87.904	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	357650	92.630	ug/l	99
28) Bromochloromethane	7.19	49	264091	102.849	ug/l	99
29) Tetrahydrofuran	7.21	42	664365	469.085	ug/l	100
30) Chloroform	7.37	83	547056	91.329	ug/l	100
31) Cyclohexane	7.65	56	501515	90.396	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	489400	91.263	ug/l	99
36) 1,1-Dichloropropene	7.79	75	418267	94.614	ug/l	99
37) Ethyl Acetate	6.93	43	410291	102.420	ug/l	99
38) Carbon Tetrachloride	7.77	117	438014	92.544	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	521535	97.276	ug/l	99
40) Benzene	8.04	78	1276426	97.583	ug/l	100
41) Methacrylonitrile	7.18	41	207469	119.304	ug/l	98
42) 1,2-Dichloroethane	8.12	62	415606	98.302	ug/l	100
43) Isopropyl Acetate	8.17	43	700461	100.367	ug/l	99
44) Trichloroethene	8.83	130	360950	97.881	ug/l	99
45) 1,2-Dichloropropane	9.12	63	335464	97.457	ug/l	99
46) Dibromomethane	9.21	93	221192	98.030	ug/l	99
47) Bromodichloromethane	9.40	83	450671	95.694	ug/l	99
48) Methyl methacrylate	9.20	41	332865	106.453	ug/l	98
49) 1,4-Dioxane	9.20	88	135925	2193.477	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2080570	504.511	ug/l	99
52) Toluene	10.16	92	815243	99.125	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	507656	100.345	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	550319	99.253	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	324769	96.025	ug/l	99
56) Ethyl methacrylate	10.43	69	525078	99.403	ug/l	99
57) 1,3-Dichloropropane	10.71	76	533306	99.727	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1026546	468.017	ug/l	100
59) 2-Hexanone	10.75	43	1504964	519.272	ug/l	100
60) Dibromochloromethane	10.90	129	392001	102.247	ug/l	99
61) 1,2-Dibromoethane	11.00	107	344924	101.842	ug/l	99
64) Tetrachloroethene	10.63	164	355526	98.984	ug/l	100
65) Chlorobenzene	11.43	112	882184	96.683	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	343939	93.805	ug/l	100
67) Ethyl Benzene	11.51	91	1576662	96.758	ug/l	99
68) m/p-Xylenes	11.62	106	1213479	197.172	ug/l	99
69) o-Xylene	11.95	106	592820	98.179	ug/l	100
70) Styrene	11.96	104	1017328	101.606	ug/l	100
71) Bromoform	12.13	173	316562	101.626	ug/l #	100
73) Isopropylbenzene	12.25	105	1540327	84.426	ug/l	100
74) N-amyl acetate	12.07	43	597573	95.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	460899	82.045	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	374439m	81.367	ug/l	
77) Bromobenzene	12.53	156	424927	92.047	ug/l	99
78) n-propylbenzene	12.59	91	1723605	87.163	ug/l	100
79) 2-Chlorotoluene	12.67	91	1026961	85.252	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1312800	85.674	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	157640	90.032	ug/l	98
82) 4-Chlorotoluene	12.77	91	1035882	88.852	ug/l	100
83) tert-Butylbenzene	12.99	119	1128598	83.940	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1314753	87.120	ug/l	100
85) sec-Butylbenzene	13.17	105	1478203	86.583	ug/l	100
86) p-Isopropyltoluene	13.29	119	1383129	88.141	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	718147	94.684	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	699902	97.019	ug/l	100
89) n-Butylbenzene	13.61	91	1138974	93.430	ug/l	100
90) Hexachloroethane	13.87	117	259118	86.504	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	696964	92.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89769	89.815	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	436079	114.998	ug/l	100
94) Hexachlorobutadiene	15.01	225	259222	96.378	ug/l	98
95) Naphthalene	15.13	128	1162390	113.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	436313	109.080	ug/l	100

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

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