

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057706.D
 Acq On : 5 Sep 2019 19:16
 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
 9/9/2019 1:10:36 PM

Quant Time: Sep 06 03:29:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 02:20:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	203347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	337875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	315146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	181816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	499761	109.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.48%	
35) Dibromofluoromethane	7.57	113	312731	102.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.52%	
50) Toluene-d8	10.08	98	1179895	103.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.30%	
62) 4-Bromofluorobenzene	12.40	95	482977	111.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	223.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	320010	100.003	ug/l	97
3) Chloromethane	2.04	50	355579	107.550	ug/l	100
4) Vinyl Chloride	2.17	62	266252	98.156	ug/l	99
5) Bromomethane	2.52	94	122284m	80.234	ug/l	
6) Chloroethane	2.67	64	156131	85.720	ug/l	93
7) Trichlorofluoromethane	2.99	101	450546	91.038	ug/l	99
8) Diethyl Ether	3.39	74	171422	99.049	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	264773	96.303	ug/l	98
10) Methyl Iodide	3.93	142	301460	94.984	ug/l	98
11) Tert butyl alcohol	4.76	59	267493	521.007	ug/l	99
12) 1,1-Dichloroethene	3.71	96	243311	102.106	ug/l	99
13) Acrolein	3.58	56	128469	479.353	ug/l	100
14) Allyl chloride	4.30	41	564907	104.081	ug/l	99
15) Acrylonitrile	4.96	53	712392	540.592	ug/l	99
16) Acetone	3.79	43	721474	456.557	ug/l	98
17) Carbon Disulfide	4.03	76	583985	104.722	ug/l	100
18) Methyl Acetate	4.30	43	379922	92.085	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	1016860	102.180	ug/l	98
20) Methylene Chloride	4.53	84	300196	98.301	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	256555	99.627	ug/l	99
22) Diisopropyl ether	5.93	45	1173261	101.139	ug/l	97
23) Vinyl Acetate	5.87	43	4909278	562.331	ug/l	99
24) 1,1-Dichloroethane	5.82	63	591820	100.871	ug/l	99
25) 2-Butanone	6.81	43	1057515	506.365	ug/l	99
26) 2,2-Dichloropropane	6.80	77	516201	99.815	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	323502	104.420	ug/l	97
28) Bromochloromethane	7.18	49	331819	107.860	ug/l	99
29) Tetrahydrofuran	7.19	42	670700	526.828	ug/l	98
30) Chloroform	7.36	83	622764	99.935	ug/l	100
31) Cyclohexane	7.64	56	494970	95.862	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	546700	105.733	ug/l	99
36) 1,1-Dichloropropene	7.78	75	422850	99.753	ug/l	98
37) Ethyl Acetate	6.91	43	448569	103.759	ug/l	99
38) Carbon Tetrachloride	7.76	117	442667	102.371	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	461069	97.965	ug/l	100
40) Benzene	8.03	78	1219180	98.877	ug/l	99
41) Methacrylonitrile	7.15	41	209703	116.264	ug/l #	94
42) 1,2-Dichloroethane	8.11	62	566390	99.833	ug/l	99
43) Isopropyl Acetate	8.15	43	838693	105.601	ug/l	99
44) Trichloroethene	8.82	130	283411	96.025	ug/l	93
45) 1,2-Dichloropropane	9.11	63	339618	98.608	ug/l	97
46) Dibromomethane	9.20	93	223858	99.790	ug/l	98
47) Bromodichloromethane	9.39	83	494830	106.621	ug/l	100
48) Methyl methacrylate	9.19	41	409007	106.666	ug/l	98
49) 1,4-Dioxane	9.19	88	101536	1870.206	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2321181	529.582	ug/l	98
52) Toluene	10.15	92	753538	98.666	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	522983	110.209	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	547869	105.824	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	300736	98.842	ug/l	98
56) Ethyl methacrylate	10.43	69	502837	107.521	ug/l	100
57) 1,3-Dichloropropane	10.71	76	536140	99.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1233661	742.299	ug/l	99
59) 2-Hexanone	10.75	43	1700411	553.417	ug/l	100
60) Dibromochloromethane	10.90	129	327842	109.795	ug/l	100
61) 1,2-Dibromoethane	11.00	107	306002	102.710	ug/l	99
64) Tetrachloroethene	10.63	164	237105	86.940	ug/l	97
65) Chlorobenzene	11.43	112	793197	99.250	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	296864	102.205	ug/l	99
67) Ethyl Benzene	11.51	91	1552447	101.754	ug/l	98
68) m/p-Xylenes	11.62	106	1097015	208.729	ug/l	96
69) o-Xylene	11.95	106	535852	102.313	ug/l	99
70) Styrene	11.96	104	959926	115.047	ug/l	98
71) Bromoform	12.13	173	213956	117.826	ug/l #	96
73) Isopropylbenzene	12.25	105	1522884	69.832	ug/l	100
74) N-amyl acetate	12.07	43	796309	87.879	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	448829	75.926	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	372792m	74.657	ug/l	
77) Bromobenzene	12.53	156	334456	71.875	ug/l	99
78) n-propylbenzene	12.59	91	1828892	76.878	ug/l	99
79) 2-Chlorotoluene	12.68	91	1105368	75.315	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1319505	74.338	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	139605	95.240	ug/l	95
82) 4-Chlorotoluene	12.78	91	1159361	83.384	ug/l	100
83) tert-Butylbenzene	12.99	119	1088192	69.652	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1319389	81.172	ug/l	99
85) sec-Butylbenzene	13.17	105	1525404	77.558	ug/l	100
86) p-Isopropyltoluene	13.29	119	1337655	82.467	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	627733	98.005	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	624697	95.778	ug/l	100
89) n-Butylbenzene	13.62	91	1332689	94.063	ug/l	99
90) Hexachloroethane	13.88	117	227153	78.700	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	612305	100.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	99214	113.849	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	400531	179.717	ug/l	99
94) Hexachlorobutadiene	15.01	225	187561	76.091	ug/l	98
95) Naphthalene	15.13	128	1145141	195.831	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	382167	183.616	ug/l	100

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

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