

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053399.D
 Acq On : 15 Jan 2019 10:35
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:50:49 AM

Quant Time: Jan 16 03:05:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	894389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1350341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1242252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	604408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	440926	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.59	113	389403	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.09	98	1655557	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.40	95	571743	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	368348	51.224	ug/l	99
3) Chloromethane	2.06	50	506947	49.308	ug/l	100
4) Vinyl Chloride	2.19	62	493501	49.796	ug/l	100
5) Bromomethane	2.55	94	326794	48.057	ug/l	97
6) Chloroethane	2.70	64	297213	49.603	ug/l	99
7) Trichlorofluoromethane	3.02	101	646342	49.860	ug/l	99
8) Diethyl Ether	3.41	74	250244	51.398	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	410163	49.961	ug/l	100
10) Methyl Iodide	3.95	142	633219	50.473	ug/l	100
11) Tert butyl alcohol	4.78	59	101322	234.234	ug/l	99
12) 1,1-Dichloroethene	3.74	96	398277	50.017	ug/l	99
13) Acrolein	3.61	56	195378	233.155	ug/l	98
14) Allyl chloride	4.33	41	664200	51.352	ug/l	96
15) Acrylonitrile	4.99	53	730241	256.516	ug/l	99
16) Acetone	3.81	43	494555	238.447	ug/l	99
17) Carbon Disulfide	4.06	76	1196386	49.683	ug/l	100
18) Methyl Acetate	4.32	43	346725	49.618	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1080927	51.089	ug/l	100
20) Methylene Chloride	4.55	84	464939	49.100	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	432378	50.789	ug/l	100
22) Diisopropyl ether	5.95	45	1388330	51.417	ug/l	98
23) Vinyl Acetate	5.89	43	4361450	262.767	ug/l	100
24) 1,1-Dichloroethane	5.85	63	806854	50.547	ug/l	100
25) 2-Butanone	6.83	43	808883	253.080	ug/l	100
26) 2,2-Dichloropropane	6.83	77	602977	50.032	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	493413	50.686	ug/l	99
28) Bromochloromethane	7.19	49	354468	50.407	ug/l	99
29) Tetrahydrofuran	7.21	42	529848	254.648	ug/l	99
30) Chloroform	7.37	83	779671	50.132	ug/l	99
31) Cyclohexane	7.65	56	766106	49.314	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	660394	50.057	ug/l	99
36) 1,1-Dichloropropene	7.79	75	620402	50.449	ug/l	99
37) Ethyl Acetate	6.93	43	366621	51.391	ug/l	100
38) Carbon Tetrachloride	7.78	117	582377	50.021	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	773886	50.914	ug/l	100
40) Benzene	8.04	78	1886171	50.472	ug/l	100
41) Methacrylonitrile	7.17	41	218701	49.576	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	545571	50.112	ug/l	99
43) Isopropyl Acetate	8.16	43	663149	49.919	ug/l	99
44) Trichloroethene	8.83	130	518121	49.995	ug/l	100
45) 1,2-Dichloropropane	9.12	63	496838	50.194	ug/l	100
46) Dibromomethane	9.21	93	283050	49.772	ug/l	99
47) Bromodichloromethane	9.40	83	601426	50.288	ug/l	99
48) Methyl methacrylate	9.20	41	338716	51.565	ug/l	99
49) 1,4-Dioxane	9.20	88	59755	931.462	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1810604	260.709	ug/l	100
52) Toluene	10.16	92	1177524	50.754	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	631699	52.111	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	730525	51.408	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	408784	51.106	ug/l	99
56) Ethyl methacrylate	10.43	69	545753	48.157	ug/l	100
57) 1,3-Dichloropropane	10.71	76	708168	51.180	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1465493	261.893	ug/l	100
59) 2-Hexanone	10.75	43	1258788	258.199	ug/l	99
60) Dibromochloromethane	10.90	129	465902	51.355	ug/l	100
61) 1,2-Dibromoethane	11.00	107	416160	51.444	ug/l	99
64) Tetrachloroethene	10.63	164	577609	49.339	ug/l	99
65) Chlorobenzene	11.43	112	1323173	50.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	459242	50.205	ug/l	100
67) Ethyl Benzene	11.51	91	2282514	50.935	ug/l	100
68) m/p-Xylenes	11.62	106	1749079	103.379	ug/l	100
69) o-Xylene	11.95	106	843924	51.333	ug/l	100
70) Styrene	11.96	104	1399620	52.456	ug/l	100
71) Bromoform	12.13	173	324335	51.502	ug/l	99
73) Isopropylbenzene	12.25	105	2255674	50.963	ug/l	99
74) N-amyl acetate	12.07	43	616487	52.249	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	462067	49.777	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	370466m	48.682	ug/l	
77) Bromobenzene	12.53	156	585133	50.170	ug/l	99
78) n-propylbenzene	12.59	91	2597989	51.135	ug/l	99
79) 2-Chlorotoluene	12.67	91	1508193	50.081	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1848287	51.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	146940	46.856	ug/l	99
82) 4-Chlorotoluene	12.77	91	1550021	50.471	ug/l	99
83) tert-Butylbenzene	12.99	119	1631325	51.289	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1873993	51.609	ug/l	100
85) sec-Butylbenzene	13.17	105	2228142	51.079	ug/l	100
86) p-Isopropyltoluene	13.29	119	1956256	51.649	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1034451	50.423	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1014008	49.274	ug/l	99
89) n-Butylbenzene	13.62	91	1666737	51.625	ug/l	100
90) Hexachloroethane	13.88	117	301637	50.779	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	967629	51.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59946	50.930	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	397185	47.821	ug/l	99
94) Hexachlorobutadiene	15.01	225	311781	52.954	ug/l	99
95) Naphthalene	15.13	128	671301	46.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	277694	45.917	ug/l	99

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

