

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055485.D
 Acq On : 9 May 2019 10:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:39:24 PM

Quant Time: May 10 04:24:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	742063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1260772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1101192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	467367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	533950	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	7.59	113	407200	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.09	98	1620398	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	558765	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	351987	46.590	ug/l	100
3) Chloromethane	2.06	50	549705	44.786	ug/l	99
4) Vinyl Chloride	2.19	62	542102	46.788	ug/l	99
5) Bromomethane	2.54	94	306208	48.236	ug/l	97
6) Chloroethane	2.69	64	328553	48.684	ug/l	99
7) Trichlorofluoromethane	3.01	101	619314	48.724	ug/l	100
8) Diethyl Ether	3.41	74	265569	46.522	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	391689	48.435	ug/l	99
10) Methyl Iodide	3.95	142	546611	50.010	ug/l	100
11) Tert butyl alcohol	4.81	59	327541	198.545	ug/l	99
12) 1,1-Dichloroethene	3.73	96	391458	48.267	ug/l	98
13) Acrolein	3.61	56	268029	243.780	ug/l	99
14) Allyl chloride	4.32	41	774381	46.611	ug/l	100
15) Acrylonitrile	4.99	53	1137299	222.639	ug/l	99
16) Acetone	3.82	43	1232698	238.275	ug/l	98
17) Carbon Disulfide	4.05	76	1098092	49.608	ug/l	99
18) Methyl Acetate	4.33	43	466171	42.780	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1243683	46.149	ug/l	99
20) Methylene Chloride	4.55	84	474949	44.896	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	424717	48.300	ug/l	98
22) Diisopropyl ether	5.96	45	1640136	48.581	ug/l	99
23) Vinyl Acetate	5.90	43	6305057	241.488	ug/l	100
24) 1,1-Dichloroethane	5.85	63	852902	46.799	ug/l	99
25) 2-Butanone	6.84	43	1652801	231.275	ug/l	99
26) 2,2-Dichloropropane	6.82	77	559727	49.267	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	489323	48.150	ug/l	99
28) Bromochloromethane	7.19	49	458152	48.408	ug/l	99
29) Tetrahydrofuran	7.22	42	1028511	217.702	ug/l	100
30) Chloroform	7.37	83	803146	47.671	ug/l	98
31) Cyclohexane	7.65	56	838718	46.513	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	622731	48.537	ug/l	100
36) 1,1-Dichloropropene	7.79	75	638837	51.433	ug/l	99
37) Ethyl Acetate	6.93	43	626352	46.229	ug/l	99
38) Carbon Tetrachloride	7.77	117	515746	49.312	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	766676	50.625	ug/l	99
40) Benzene	8.04	78	1897529	49.224	ug/l	100
41) Methacrylonitrile	7.18	41	308944	49.128	ug/l	99
42) 1,2-Dichloroethane	8.12	62	640657	47.304	ug/l	99
43) Isopropyl Acetate	8.17	43	970070	47.127	ug/l	98
44) Trichloroethene	8.83	130	453207	49.410	ug/l	97
45) 1,2-Dichloropropane	9.12	63	531726	48.208	ug/l	98
46) Dibromomethane	9.21	93	308079	48.188	ug/l	99
47) Bromodichloromethane	9.40	83	611196	49.972	ug/l	99
48) Methyl methacrylate	9.20	41	471425	47.534	ug/l	100
49) 1,4-Dioxane	9.20	88	172783	893.869	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3077345	227.313	ug/l	100
52) Toluene	10.16	92	1125568	51.073	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	615571	52.403	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	733831	52.279	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	436379	48.871	ug/l	99
56) Ethyl methacrylate	10.43	69	635364	47.838	ug/l	99
57) 1,3-Dichloropropane	10.71	76	771677	48.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	911786	206.238	ug/l	100
59) 2-Hexanone	10.75	43	2163138	227.839	ug/l	100
60) Dibromochloromethane	10.90	129	421628	51.935	ug/l	100
61) 1,2-Dibromoethane	11.00	107	424562	49.487	ug/l	99
64) Tetrachloroethene	10.63	164	447962	49.646	ug/l	99
65) Chlorobenzene	11.43	112	1129224	49.843	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	397013	50.902	ug/l	99
67) Ethyl Benzene	11.51	91	2138663	50.262	ug/l	100
68) m/p-Xylenes	11.62	106	1586871	103.920	ug/l	99
69) o-Xylene	11.95	106	764042	50.907	ug/l	99
70) Styrene	11.96	104	1287873	53.560	ug/l	99
71) Bromoform	12.13	173	277224	52.673	ug/l #	99
73) Isopropylbenzene	12.25	105	2038080	53.038	ug/l	99
74) N-amyl acetate	12.07	43	792499	44.663	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	601778	47.925	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	548452m	43.106	ug/l	
77) Bromobenzene	12.53	156	463435	44.994	ug/l	98
78) n-propylbenzene	12.59	91	2388737	47.653	ug/l	100
79) 2-Chlorotoluene	12.67	91	1425097	45.617	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1760335	47.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	159658	46.302	ug/l	98
82) 4-Chlorotoluene	12.77	91	1406757	47.656	ug/l	100
83) tert-Butylbenzene	12.99	119	1446536	45.150	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1696758	49.497	ug/l	100
85) sec-Butylbenzene	13.17	105	2004706	47.082	ug/l	99
86) p-Isopropyltoluene	13.29	119	1722141	49.697	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	804558	50.552	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	780089	49.665	ug/l	99
89) n-Butylbenzene	13.61	91	1423660	53.002	ug/l	100
90) Hexachloroethane	13.87	117	269078	47.601	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	780933	49.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	97449	45.343	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	318736	46.276	ug/l	97
94) Hexachlorobutadiene	15.01	225	263427	56.254	ug/l	99
95) Naphthalene	15.13	128	783494	40.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	339101	45.446	ug/l	99

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

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