

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057292.D
 Acq On : 14 Aug 2019 17:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:16 AM

Quant Time: Aug 15 08:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	929965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1354620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1240863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	514179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	486075	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.58	113	427325	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	10.09	98	1621810	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.40	95	559669	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	374698	48.081	ug/l	100
3) Chloromethane	2.05	50	435458	49.242	ug/l	100
4) Vinyl Chloride	2.18	62	414743	48.398	ug/l	100
5) Bromomethane	2.53	94	309502m	51.262	ug/l	100
6) Chloroethane	2.69	64	286772	51.633	ug/l	100
7) Trichlorofluoromethane	3.01	101	658436	48.635	ug/l	100
8) Diethyl Ether	3.40	74	250223	50.686	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	390794	48.112	ug/l	100
10) Methyl Iodide	3.95	142	650902	51.681	ug/l	100
11) Tert butyl alcohol	4.76	59	347402	269.913	ug/l	100
12) 1,1-Dichloroethene	3.73	96	392069	48.530	ug/l	100
13) Acrolein	3.60	56	203085	229.261	ug/l	100
14) Allyl chloride	4.32	41	630957	51.217	ug/l	100
15) Acrylonitrile	4.97	53	965340	268.944	ug/l	100
16) Acetone	3.80	43	825389	256.445	ug/l	100
17) Carbon Disulfide	4.05	76	1048990	47.721	ug/l	100
18) Methyl Acetate	4.31	43	453634	41.061	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	1235031	50.888	ug/l	100
20) Methylene Chloride	4.54	84	455299	48.400	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	414757	48.253	ug/l	100
22) Diisopropyl ether	5.94	45	1240059	51.025	ug/l	100
23) Vinyl Acetate	5.88	43	5119550	265.550	ug/l	100
24) 1,1-Dichloroethane	5.84	63	756376	49.673	ug/l	100
25) 2-Butanone	6.82	43	1243015	269.026	ug/l	100
26) 2,2-Dichloropropane	6.81	77	623410	50.172	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	491214	49.457	ug/l	100
28) Bromochloromethane	7.18	49	337163	49.716	ug/l	100
29) Tetrahydrofuran	7.20	42	784524	266.023	ug/l	100
30) Chloroform	7.36	83	778010	48.823	ug/l	100
31) Cyclohexane	7.65	56	636098	48.056	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	693495	51.467	ug/l	100
36) 1,1-Dichloropropene	7.79	75	565596	48.105	ug/l	100
37) Ethyl Acetate	6.91	43	507224	52.694	ug/l	100
38) Carbon Tetrachloride	7.77	117	602509	48.181	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	675414	48.594	ug/l	100
40) Benzene	8.03	78	1765996	49.143	ug/l	100
41) Methacrylonitrile	7.17	41	214149m	53.257	ug/l	
42) 1,2-Dichloroethane	8.12	62	584169	50.604	ug/l	100
43) Isopropyl Acetate	8.16	43	906728	56.679	ug/l	100
44) Trichloroethene	8.83	130	489458	47.265	ug/l	100
45) 1,2-Dichloropropane	9.11	63	453473	49.728	ug/l	100
46) Dibromomethane	9.20	93	303214	49.445	ug/l	100
47) Bromodichloromethane	9.40	83	609410	51.440	ug/l	100
48) Methyl methacrylate	9.19	41	406329	55.385	ug/l	100
49) 1,4-Dioxane	9.19	88	169509	1028.705	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2511806	269.602	ug/l	100
52) Toluene	10.15	92	1122028	50.324	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	666363	52.596	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	740423	51.873	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	438733	50.135	ug/l	100
56) Ethyl methacrylate	10.43	69	670504	54.283	ug/l	100
57) 1,3-Dichloropropane	10.70	76	732284	50.680	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	876447	282.147	ug/l	100
59) 2-Hexanone	10.75	43	1843386	278.397	ug/l	100
60) Dibromochloromethane	10.90	129	502361	51.171	ug/l	100
61) 1,2-Dibromoethane	11.00	107	470023	51.691	ug/l	100
64) Tetrachloroethene	10.63	164	495238	45.399	ug/l	100
65) Chlorobenzene	11.43	112	1217381	48.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	474729	48.646	ug/l	100
67) Ethyl Benzene	11.51	91	2148725	49.693	ug/l	100
68) m/p-Xylenes	11.62	106	1629593	100.888	ug/l	100
69) o-Xylene	11.95	106	797665	50.371	ug/l	100
70) Styrene	11.96	104	1310598	53.537	ug/l	100
71) Bromoform	12.13	173	386849	51.566	ug/l #	100
73) Isopropylbenzene	12.25	105	2148506	45.056	ug/l	100
74) N-amyl acetate	12.07	43	683885	49.149	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	608589	44.462	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	510210m	46.909	ug/l	
77) Bromobenzene	12.53	156	562874	43.364	ug/l	100
78) n-propylbenzene	12.59	91	2267619	47.228	ug/l	100
79) 2-Chlorotoluene	12.67	91	1386938	45.191	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1773377	45.862	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	202835	52.325	ug/l	100
82) 4-Chlorotoluene	12.77	91	1346503	47.929	ug/l	100
83) tert-Butylbenzene	12.99	119	1577308	43.700	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1683078	46.542	ug/l	100
85) sec-Butylbenzene	13.17	105	1960895	45.354	ug/l	100
86) p-Isopropyltoluene	13.29	119	1726175	45.795	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	860737	48.474	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	798245	46.306	ug/l	100
89) n-Butylbenzene	13.62	91	1274655	48.117	ug/l	100
90) Hexachloroethane	13.88	117	328128	44.546	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	817985	47.367	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85301	49.565	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	294790	47.566	ug/l	100
94) Hexachlorobutadiene	15.01	225	342405	41.211	ug/l	100
95) Naphthalene	15.13	128	579644	47.619	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	269437	42.898	ug/l	100

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

