

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057616.D
 Acq On : 31 Aug 2019 15:17
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN090119

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:52:10 AM

Quant Time: Aug 31 23:53:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	205523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	340133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	309604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	140794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	227118	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	7.58	113	146987	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.08	98	567361	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	210032	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	179188	54.522	ug/l	95
3) Chloromethane	2.05	50	194901	51.442	ug/l	97
4) Vinyl Chloride	2.18	62	152798	51.489	ug/l	100
5) Bromomethane	2.51	94	104077	55.428	ug/l	98
6) Chloroethane	2.67	64	80407	48.508	ug/l	99
7) Trichlorofluoromethane	3.00	101	211684	50.817	ug/l	99
8) Diethyl Ether	3.40	74	68643	49.799	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	103120	48.829	ug/l	98
10) Methyl Iodide	3.92	142	135501	49.695	ug/l	98
11) Tert butyl alcohol	4.81	59	128689	264.276	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	97367	50.862	ug/l	94
13) Acrolein	3.59	56	45229	233.603	ug/l	94
14) Allyl chloride	4.29	41	304044	50.909	ug/l	100
15) Acrylonitrile	4.97	53	382565	261.820	ug/l	99
16) Acetone	3.81	43	309969	238.228	ug/l	95
17) Carbon Disulfide	4.02	76	345937	55.896	ug/l	99
18) Methyl Acetate	4.31	43	213736	47.841	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	510707	51.565	ug/l	100
20) Methylene Chloride	4.52	84	160931	49.960	ug/l	94
21) trans-1,2-Dichloroethene	5.00	96	146065	51.322	ug/l	99
22) Diisopropyl ether	5.94	45	617336	50.284	ug/l	99
23) Vinyl Acetate	5.88	43	2532580	268.413	ug/l	99
24) 1,1-Dichloroethane	5.82	63	315312	51.164	ug/l	99
25) 2-Butanone	6.83	43	554226	255.627	ug/l	98
26) 2,2-Dichloropropane	6.81	77	255113	51.789	ug/l #	75
27) cis-1,2-Dichloroethene	6.81	96	172423	50.733	ug/l	98
28) Bromochloromethane	7.18	49	163706	49.882	ug/l	99
29) Tetrahydrofuran	7.20	42	350906	257.977	ug/l	99
30) Chloroform	7.36	83	315520	50.466	ug/l	98
31) Cyclohexane	7.63	56	296812	48.256	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	268139	52.284	ug/l	99
36) 1,1-Dichloropropene	7.78	75	232638	51.589	ug/l	99
37) Ethyl Acetate	6.92	43	230781	53.726	ug/l	98
38) Carbon Tetrachloride	7.76	117	213810	52.968	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	272188	51.088	ug/l	99
40) Benzene	8.03	78	670367	51.069	ug/l	98
41) Methacrylonitrile	7.16	41	113489	47.264	ug/l	98
42) 1,2-Dichloroethane	8.11	62	279124	52.352	ug/l	100
43) Isopropyl Acetate	8.16	43	407909	52.781	ug/l	99
44) Trichloroethene	8.82	130	153626	51.590	ug/l	99
45) 1,2-Dichloropropane	9.11	63	184163	50.367	ug/l	99
46) Dibromomethane	9.20	93	115789	51.146	ug/l	99
47) Bromodichloromethane	9.40	83	243680	52.980	ug/l	97
48) Methyl methacrylate	9.19	41	207454	52.577	ug/l	100
49) 1,4-Dioxane	9.20	88	49426	1069.743	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1201057	271.154	ug/l	99
52) Toluene	10.15	92	398787	51.401	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	250308	48.796	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	276136	48.964	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	153056	51.997	ug/l	97
56) Ethyl methacrylate	10.43	69	260007	52.931	ug/l	99
57) 1,3-Dichloropropane	10.71	76	273154	50.579	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	360884	251.112	ug/l	99
59) 2-Hexanone	10.75	43	857539	263.634	ug/l	98
60) Dibromochloromethane	10.90	129	155378	48.282	ug/l	100
61) 1,2-Dibromoethane	11.00	107	156266	52.723	ug/l	98
64) Tetrachloroethene	10.63	164	140060	52.245	ug/l	99
65) Chlorobenzene	11.43	112	405578	52.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	143010	52.855	ug/l	98
67) Ethyl Benzene	11.51	91	802394	53.231	ug/l	98
68) m/p-Xylenes	11.62	106	558362	105.144	ug/l	97
69) o-Xylene	11.95	106	270128	52.488	ug/l	98
70) Styrene	11.96	104	460014	49.682	ug/l	99
71) Bromoform	12.13	173	93033	46.728	ug/l #	99
73) Isopropylbenzene	12.25	105	764426	53.776	ug/l	98
74) N-amyl acetate	12.07	43	364405	54.319	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	208372	49.736	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	191098m	51.599	ug/l	
77) Bromobenzene	12.53	156	163722	54.114	ug/l	100
78) n-propylbenzene	12.59	91	878857	55.548	ug/l	98
79) 2-Chlorotoluene	12.68	91	529727	53.694	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	637447	54.509	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60535	56.029	ug/l	93
82) 4-Chlorotoluene	12.77	91	523763	53.634	ug/l	100
83) tert-Butylbenzene	12.99	119	531351	53.549	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	615226	54.377	ug/l	99
85) sec-Butylbenzene	13.17	105	720322	53.969	ug/l	99
86) p-Isopropyltoluene	13.29	119	597177	54.102	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	269451	54.667	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	260987	54.816	ug/l	100
89) n-Butylbenzene	13.62	91	545854	52.770	ug/l	100
90) Hexachloroethane	13.88	117	101595	53.016	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	262155	55.737	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36549	56.656	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	122327	58.275	ug/l	99
94) Hexachlorobutadiene	15.01	225	89694	55.571	ug/l	99
95) Naphthalene	15.13	128	335586	54.857	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	118778	56.890	ug/l	97

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

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