

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057556.D
 Acq On : 29 Aug 2019 17:55
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082919

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:38:45 AM

Quant Time: Aug 30 09:06:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	552211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	870761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	805212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	396421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	406336	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.58	113	360257	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.08	98	1386366	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	470399	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	339744	54.754	ug/l	97
3) Chloromethane	2.06	50	281990	45.517	ug/l	98
4) Vinyl Chloride	2.18	62	408551	44.701	ug/l	100
5) Bromomethane	2.54	94	378262	48.062	ug/l	97
6) Chloroethane	2.69	64	257562	42.032	ug/l	99
7) Trichlorofluoromethane	3.01	101	813424	42.848	ug/l	99
8) Diethyl Ether	3.40	74	261323	41.430	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.74	101	481856	43.340	ug/l #	83
10) Methyl Iodide	3.93	142	762949	41.922	ug/l	92
11) Tert butyl alcohol	4.80	59	200474	224.918	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	464680	44.412	ug/l #	75
13) Acrolein	3.59	56	166642	218.346	ug/l	97
14) Allyl chloride	4.30	41	357744	46.712	ug/l #	84
15) Acrylonitrile	4.97	53	530650	240.451	ug/l	98
16) Acetone	3.81	43	725208	198.498	ug/l	93
17) Carbon Disulfide	4.03	76	696023	48.662	ug/l	100
18) Methyl Acetate	4.31	43	248665	49.478	ug/l #	81
19) Methyl tert-butyl Ether	5.03	73	956597	47.996	ug/l #	88
20) Methylene Chloride	4.53	84	316185	46.717	ug/l #	75
21) trans-1,2-Dichloroethene	5.01	96	320814	49.016	ug/l #	78
22) Diisopropyl ether	5.94	45	788873	45.949	ug/l #	91
23) Vinyl Acetate	5.88	43	3209993	239.273	ug/l #	86
24) 1,1-Dichloroethane	5.83	63	532439	47.099	ug/l	97
25) 2-Butanone	6.83	43	654773	227.053	ug/l #	78
26) 2,2-Dichloropropane	6.81	77	525890	45.562	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	382477	48.253	ug/l	78
28) Bromochloromethane	7.18	49	228838	48.156	ug/l #	37
29) Tetrahydrofuran	7.20	42	417999	231.778	ug/l #	69
30) Chloroform	7.36	83	639354	45.574	ug/l	97
31) Cyclohexane	7.64	56	452431	43.094	ug/l #	74
32) 1,1,1-Trichloroethane	7.55	97	605334	48.540	ug/l #	92
36) 1,1-Dichloropropene	7.78	75	449031	47.670	ug/l	93
37) Ethyl Acetate	6.92	43	279732	44.822	ug/l #	91
38) Carbon Tetrachloride	7.76	117	540874	49.103	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	579514	48.354	ug/l #	83
40) Benzene	8.03	78	1370232	47.501	ug/l	99
41) Methacrylonitrile	7.16	41	129207	45.369	ug/l #	84
42) 1,2-Dichloroethane	8.11	62	462704	45.065	ug/l	95
43) Isopropyl Acetate	8.16	43	522079	44.818	ug/l #	87
44) Trichloroethene	8.82	130	402965	50.587	ug/l	82
45) 1,2-Dichloropropane	9.11	63	311528	46.215	ug/l	98
46) Dibromomethane	9.20	93	249592	47.219	ug/l #	85
47) Bromodichloromethane	9.40	83	518700	47.598	ug/l	99
48) Methyl methacrylate	9.19	41	241911	43.970	ug/l #	75
49) 1,4-Dioxane	9.20	88	99481	990.821	ug/l #	74
51) 4-Methyl-2-Pentanone	9.98	43	1477330	237.287	ug/l #	88
52) Toluene	10.15	92	915885	49.007	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	522561	49.620	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	555010	48.657	ug/l #	84
55) 1,1,2-Trichloroethane	10.56	97	347380	48.330	ug/l	94
56) Ethyl methacrylate	10.43	69	469016	49.023	ug/l #	77
57) 1,3-Dichloropropane	10.70	76	550482	47.942	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	607789	270.778	ug/l #	80
59) 2-Hexanone	10.75	43	1022513	237.880	ug/l	85
60) Dibromochloromethane	10.90	129	426493	52.019	ug/l	98
61) 1,2-Dibromoethane	11.00	107	375929	49.980	ug/l	96
64) Tetrachloroethene	10.63	164	383220	46.338	ug/l	93
65) Chlorobenzene	11.43	112	1012206	50.082	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	396064	49.689	ug/l	97
67) Ethyl Benzene	11.51	91	1798435	50.671	ug/l	96
68) m/p-Xylenes	11.62	106	1410619	104.352	ug/l	86
69) o-Xylene	11.95	106	678486	49.981	ug/l	91
70) Styrene	11.96	104	1125154	54.912	ug/l	93
71) Bromoform	12.13	173	280320	52.684	ug/l #	100
73) Isopropylbenzene	12.25	105	1828745	49.718	ug/l	97
74) N-amyl acetate	12.07	43	453360	53.762	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.51	83	420765	51.704	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	361409m	49.532	ug/l	
77) Bromobenzene	12.53	156	444428	45.445	ug/l	68
78) n-propylbenzene	12.59	91	1919930	45.814	ug/l	93
79) 2-Chlorotoluene	12.67	91	1142629	43.773	ug/l	90
80) 1,3,5-Trimethylbenzene	12.73	105	1544726	46.534	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	127067	48.197	ug/l	87
82) 4-Chlorotoluene	12.77	91	1151065	47.527	ug/l	90
83) tert-Butylbenzene	12.99	119	1375533	54.816	ug/l	90
84) 1,2,4-Trimethylbenzene	13.04	105	1522968	50.161	ug/l	97
85) sec-Butylbenzene	13.17	105	1736934	47.603	ug/l	96
86) p-Isopropyltoluene	13.29	119	1584138	50.511	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	734795	51.737	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	721967	53.009	ug/l	95
89) n-Butylbenzene	13.62	91	1243460	52.339	ug/l	97
90) Hexachloroethane	13.88	117	287084	43.500	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	710892	53.630	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69074	46.452	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	287714	52.159	ug/l	98
94) Hexachlorobutadiene	15.01	225	218968	50.123	ug/l	98
95) Naphthalene	15.13	128	846187	64.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	289153	64.544	ug/l	98

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

