

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056117.D
 Acq On : 7 Jun 2019 23:06
 Operator : JC/SP
 Sample : VN0608WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS03

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:33 AM

Quant Time: Jun 08 07:01:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	291477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	146698	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	131093	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.09	98	497815	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.40	95	159819	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	62903	19.859	ug/l	97
3) Chloromethane	2.06	50	68567	21.701	ug/l	98
4) Vinyl Chloride	2.18	62	66912	21.112	ug/l	99
5) Bromomethane	2.55	94	42448	21.202	ug/l	98
6) Chloroethane	2.69	64	37936	20.644	ug/l	97
7) Trichlorofluoromethane	3.01	101	81228	20.076	ug/l	99
8) Diethyl Ether	3.40	74	33754	20.286	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50614	20.593	ug/l	100
10) Methyl Iodide	3.94	142	72689	18.610	ug/l	99
11) Tert butyl alcohol	4.82	59	49017	97.325	ug/l	99
12) 1,1-Dichloroethene	3.72	96	49426	20.199	ug/l	98
13) Acrolein	3.60	56	10893	74.993	ug/l	99
14) Allyl chloride	4.31	41	74198	19.203	ug/l	99
15) Acrylonitrile	4.99	53	141403	115.337	ug/l	99
16) Acetone	3.82	43	118478	85.595	ug/l	100
17) Carbon Disulfide	4.04	76	97737	16.682	ug/l	99
18) Methyl Acetate	4.33	43	65923	23.945	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	162830	20.877	ug/l	99
20) Methylene Chloride	4.54	84	60882	21.349	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	52921	20.185	ug/l	96
22) Diisopropyl ether	5.95	45	168169	21.055	ug/l	98
23) Vinyl Acetate	5.90	43	647957	103.017	ug/l	100
24) 1,1-Dichloroethane	5.84	63	96049	20.848	ug/l	100
25) 2-Butanone	6.84	43	182873	104.567	ug/l	99
26) 2,2-Dichloropropane	6.82	77	51153	14.229	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	63380	20.566	ug/l	96
28) Bromochloromethane	7.19	49	45837	21.038	ug/l	99
29) Tetrahydrofuran	7.22	42	122347	113.176	ug/l	99
30) Chloroform	7.37	83	97994	21.143	ug/l	99
31) Cyclohexane	7.65	56	89392	19.465	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	76514	19.770	ug/l	99
36) 1,1-Dichloropropene	7.79	75	69024	18.371	ug/l	99
37) Ethyl Acetate	6.94	43	74993	22.432	ug/l	99
38) Carbon Tetrachloride	7.77	117	64053	18.491	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	83728	17.889	ug/l	99
40) Benzene	8.04	78	228083	19.987	ug/l	99
41) Methacrylonitrile	7.18	41	33258	21.622	ug/l	95
42) 1,2-Dichloroethane	8.12	62	73082	19.909	ug/l	100
43) Isopropyl Acetate	8.17	43	109096	20.138	ug/l	94
44) Trichloroethene	8.83	130	63226	19.281	ug/l	100
45) 1,2-Dichloropropane	9.12	63	60484	20.692	ug/l	96
46) Dibromomethane	9.21	93	39240	20.529	ug/l	100
47) Bromodichloromethane	9.40	83	65414	18.882	ug/l	96
48) Methyl methacrylate	9.20	41	55653	20.998	ug/l	96
49) 1,4-Dioxane	9.21	88	24673	431.213	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	364548	107.607	ug/l	99
52) Toluene	10.16	92	143057	20.146	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	61884	16.903	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	76190	18.296	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57593	20.475	ug/l	99
56) Ethyl methacrylate	10.43	69	83007	20.228	ug/l	97
57) 1,3-Dichloropropane	10.71	76	94557	20.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	146421	99.512	ug/l	99
59) 2-Hexanone	10.75	43	252526	102.846	ug/l	99
60) Dibromochloromethane	10.90	129	50450	17.916	ug/l	99
61) 1,2-Dibromoethane	11.00	107	58400	20.309	ug/l	96
64) Tetrachloroethene	10.63	164	66347	19.858	ug/l	98
65) Chlorobenzene	11.43	112	171297	22.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	52252	19.699	ug/l	98
67) Ethyl Benzene	11.51	91	262127	19.624	ug/l	99
68) m/p-Xylenes	11.62	106	197826	38.769	ug/l	99
69) o-Xylene	11.95	106	99029	19.729	ug/l	99
70) Styrene	11.96	104	157504	19.750	ug/l	99
71) Bromoform	12.13	173	33840	17.105	ug/l #	99
73) Isopropylbenzene	12.25	105	258112	22.129	ug/l	100
74) N-amyl acetate	12.07	43	87132	21.193	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	80261	22.416	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	65620m	23.122	ug/l	
77) Bromobenzene	12.53	156	69405	21.018	ug/l	93
78) n-propylbenzene	12.59	91	262150	20.091	ug/l	99
79) 2-Chlorotoluene	12.67	91	167621	21.853	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	209930	20.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13107	15.380	ug/l #	77
82) 4-Chlorotoluene	12.77	91	153322	20.085	ug/l	100
83) tert-Butylbenzene	12.99	119	190698	22.183	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	203866	20.731	ug/l	99
85) sec-Butylbenzene	13.17	105	236027	20.426	ug/l	99
86) p-Isopropyltoluene	13.29	119	206346	19.953	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	100851	19.733	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	96997	19.729	ug/l	100
89) n-Butylbenzene	13.61	91	137280	17.919	ug/l	99
90) Hexachloroethane	13.88	117	29007	18.599	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	108997	21.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10482	20.468	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	38108	16.527	ug/l	98
94) Hexachlorobutadiene	15.01	225	37581	19.984	ug/l	98
95) Naphthalene	15.13	128	106321	17.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44864	17.575	ug/l	98

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

