

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056098.D
 Acq On : 7 Jun 2019 14:31
 Operator : JC/SP
 Sample : VN0608WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:54 AM

Quant Time: Jun 08 06:19:17 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	301973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	394012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	153564	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.59	113	135993	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	522433	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	173965	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	65933	20.088	ug/l	100
3) Chloromethane	2.06	50	70243	21.459	ug/l	99
4) Vinyl Chloride	2.19	62	68139	20.752	ug/l	99
5) Bromomethane	2.54	94	42279	20.383	ug/l	99
6) Chloroethane	2.69	64	38447	20.195	ug/l	99
7) Trichlorofluoromethane	3.01	101	82856	19.766	ug/l	98
8) Diethyl Ether	3.40	74	33387	19.368	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53041	20.830	ug/l	99
10) Methyl Iodide	3.94	142	70919	17.526	ug/l	98
11) Tert butyl alcohol	4.82	59	47289	90.631	ug/l #	92
12) 1,1-Dichloroethene	3.72	96	50935	20.092	ug/l	99
13) Acrolein	3.60	56	11760	78.148	ug/l	97
14) Allyl chloride	4.31	41	79046	19.747	ug/l	98
15) Acrylonitrile	4.99	53	141849	111.679	ug/l	99
16) Acetone	3.82	43	129769	90.494	ug/l	96
17) Carbon Disulfide	4.04	76	104016	17.137	ug/l	99
18) Methyl Acetate	4.33	43	64222	22.481	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	165631	20.498	ug/l	98
20) Methylene Chloride	4.54	84	61583	20.844	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	54703	20.140	ug/l	95
22) Diisopropyl ether	5.95	45	169969	20.541	ug/l	99
23) Vinyl Acetate	5.90	43	680744	104.468	ug/l	100
24) 1,1-Dichloroethane	5.84	63	98266	20.587	ug/l	98
25) 2-Butanone	6.84	43	192516	106.255	ug/l	100
26) 2,2-Dichloropropane	6.82	77	65084	17.474	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	64518	20.207	ug/l	97
28) Bromochloromethane	7.19	49	46883	20.770	ug/l	98
29) Tetrahydrofuran	7.22	42	124831	111.460	ug/l	100
30) Chloroform	7.37	83	98158	20.443	ug/l	99
31) Cyclohexane	7.65	56	94619	19.887	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	79237	19.762	ug/l	100
36) 1,1-Dichloropropene	7.79	75	72125	19.079	ug/l	99
37) Ethyl Acetate	6.93	43	74881	22.262	ug/l	99
38) Carbon Tetrachloride	7.77	117	64761	18.581	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	90836	19.289	ug/l	99
40) Benzene	8.04	78	235342	20.497	ug/l	100
41) Methacrylonitrile	7.18	41	35065	22.658	ug/l	94
42) 1,2-Dichloroethane	8.12	62	74602	20.199	ug/l	99
43) Isopropyl Acetate	8.17	43	112254	20.595	ug/l #	92
44) Trichloroethene	8.83	130	66125	20.042	ug/l	100
45) 1,2-Dichloropropane	9.12	63	61425	20.886	ug/l	99
46) Dibromomethane	9.21	93	39528	20.553	ug/l	98
47) Bromodichloromethane	9.40	83	66887	19.190	ug/l	100
48) Methyl methacrylate	9.20	41	57980	21.743	ug/l	98
49) 1,4-Dioxane	9.20	88	23148	402.094	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	369664	108.452	ug/l	99
52) Toluene	10.15	92	147477	20.641	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	68016	18.243	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	81601	19.476	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	59533	21.035	ug/l	97
56) Ethyl methacrylate	10.43	69	85247	20.647	ug/l	99
57) 1,3-Dichloropropane	10.71	76	95058	20.661	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	156446	104.756	ug/l	100
59) 2-Hexanone	10.75	43	258060	104.459	ug/l	99
60) Dibromochloromethane	10.90	129	55541	19.373	ug/l	99
61) 1,2-Dibromoethane	11.00	107	60002	20.739	ug/l	97
64) Tetrachloroethene	10.63	164	64823	19.006	ug/l	98
65) Chlorobenzene	11.43	112	157184	20.045	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	53916	19.913	ug/l	99
67) Ethyl Benzene	11.51	91	275912	20.235	ug/l	100
68) m/p-Xylenes	11.62	106	207879	39.909	ug/l	99
69) o-Xylene	11.95	106	103538	20.208	ug/l	98
70) Styrene	11.96	104	165580	20.339	ug/l	100
71) Bromoform	12.13	173	36001	17.711	ug/l #	100
73) Isopropylbenzene	12.25	105	272008	21.892	ug/l	99
74) N-amyl acetate	12.07	43	93917	21.468	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	82614	21.684	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	70506m	23.348	ug/l	
77) Bromobenzene	12.53	156	72173	20.540	ug/l	96
78) n-propylbenzene	12.59	91	282885	20.375	ug/l	100
79) 2-Chlorotoluene	12.67	91	177020	21.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	223513	20.256	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16167	17.829	ug/l #	80
82) 4-Chlorotoluene	12.77	91	163773	20.162	ug/l	99
83) tert-Butylbenzene	12.99	119	198967	21.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	217603	20.795	ug/l	99
85) sec-Butylbenzene	13.17	105	251207	20.430	ug/l	100
86) p-Isopropyltoluene	13.29	119	227118	20.639	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	111033	20.417	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	105244	20.118	ug/l	100
89) n-Butylbenzene	13.61	91	163441	20.050	ug/l	99
90) Hexachloroethane	13.87	117	31678	19.088	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	113083	20.596	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11489	21.084	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	48052	18.795	ug/l	98
94) Hexachlorobutadiene	15.01	225	42029	21.114	ug/l	100
95) Naphthalene	15.13	128	137692	20.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57628	20.588	ug/l	98

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

