

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059303.D
 Acq On : 19 Nov 2019 13:29
 Operator : JC/SP
 Sample : VN1119WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:37:24 PM

Quant Time: Nov 20 02:24:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	383171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	530774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244608	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	217031	46.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.16%	
35) Dibromofluoromethane	7.57	113	176828	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
50) Toluene-d8	10.08	98	652390	46.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.32%	
62) 4-Bromofluorobenzene	12.40	95	239343	46.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	117292	30.382	ug/l	100
3) Chloromethane	2.04	50	132344	25.219	ug/l	98
4) Vinyl Chloride	2.17	62	141441	27.799	ug/l	99
5) Bromomethane	2.55	94	73339	25.048	ug/l	99
6) Chloroethane	2.69	64	72777	24.180	ug/l	98
7) Trichlorofluoromethane	3.00	101	141965	23.328	ug/l	98
8) Diethyl Ether	3.39	74	57229	23.144	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88209	24.040	ug/l	99
10) Methyl Iodide	3.93	142	100276	22.078	ug/l	100
11) Tert butyl alcohol	4.75	59	100912	112.417	ug/l	99
12) 1,1-Dichloroethene	3.72	96	87676	24.529	ug/l	93
13) Acrolein	3.58	56	34855	75.311	ug/l	99
14) Allyl chloride	4.30	41	161331	21.973	ug/l	99
15) Acrylonitrile	4.95	53	261972	117.268	ug/l	100
16) Acetone	3.79	43	221914	90.600	ug/l	98
17) Carbon Disulfide	4.03	76	274602	24.748	ug/l	100
18) Methyl Acetate	4.30	43	147925	25.444	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	289289	23.508	ug/l	98
20) Methylene Chloride	4.53	84	99500	23.317	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	92919	24.218	ug/l	97
22) Diisopropyl ether	5.92	45	308855	22.270	ug/l	96
23) Vinyl Acetate	5.87	43	1242057	115.559	ug/l	100
24) 1,1-Dichloroethane	5.82	63	176743	22.818	ug/l	99
25) 2-Butanone	6.81	43	348085	107.829	ug/l	98
26) 2,2-Dichloropropane	6.80	77	149796	22.116	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	103374	23.224	ug/l	98
28) Bromochloromethane	7.17	49	32578	13.980	ug/l	98
29) Tetrahydrofuran	7.19	42	236703	115.400	ug/l	96
30) Chloroform	7.35	83	168698	22.704	ug/l	100
31) Cyclohexane	7.63	56	169532	23.119	ug/l	92
32) 1,1,1-Trichloroethane	7.55	97	145619	23.310	ug/l	99
36) 1,1-Dichloropropene	7.77	75	132432	23.577	ug/l	99
37) Ethyl Acetate	6.91	43	143463	22.959	ug/l	98
38) Carbon Tetrachloride	7.75	117	127114	22.737	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	158718	24.347	ug/l	99
40) Benzene	8.02	78	394957	23.350	ug/l	100
41) Methacrylonitrile	7.16	41	61166m	22.511	ug/l	
42) 1,2-Dichloroethane	8.10	62	130036	22.415	ug/l	99
43) Isopropyl Acetate	8.15	43	215350	21.617	ug/l	97
44) Trichloroethene	8.82	130	97935	23.554	ug/l	100
45) 1,2-Dichloropropane	9.10	63	104152	22.670	ug/l	100
46) Dibromomethane	9.19	93	63668	22.239	ug/l	98
47) Bromodichloromethane	9.39	83	128020	22.394	ug/l	96
48) Methyl methacrylate	9.19	41	95857	21.512	ug/l	96
49) 1,4-Dioxane	9.18	88	32823	414.489	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	686519	121.794	ug/l	100
52) Toluene	10.15	92	237547	23.431	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	146327	22.155	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	160879	22.644	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	93356	22.753	ug/l	99
56) Ethyl methacrylate	10.42	69	138126	21.301	ug/l	98
57) 1,3-Dichloropropane	10.70	76	160613	22.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	207773	90.992	ug/l	99
59) 2-Hexanone	10.74	43	495782	114.593	ug/l	98
60) Dibromochloromethane	10.90	129	96934	22.345	ug/l	99
61) 1,2-Dibromoethane	11.00	107	95928	23.096	ug/l	100
64) Tetrachloroethene	10.63	164	86782	24.045	ug/l	97
65) Chlorobenzene	11.43	112	246468	23.821	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	90178	23.234	ug/l	98
67) Ethyl Benzene	11.51	91	445977	24.294	ug/l	99
68) m/p-Xylenes	11.62	106	329747	47.952	ug/l	100
69) o-Xylene	11.95	106	157463	23.695	ug/l	98
70) Styrene	11.96	104	245887	23.526	ug/l	99
71) Bromoform	12.13	173	68028	22.533	ug/l #	99
73) Isopropylbenzene	12.25	105	424367	23.850	ug/l	100
74) N-amyl acetate	12.07	43	164926	21.875	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	139433	23.011	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	138194m	24.815	ug/l	
77) Bromobenzene	12.53	156	102050	22.828	ug/l	98
78) n-propylbenzene	12.59	91	486395	23.875	ug/l	100
79) 2-Chlorotoluene	12.68	91	288062	22.793	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	357456	23.709	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	47279	22.424	ug/l	99
82) 4-Chlorotoluene	12.77	91	287845	22.708	ug/l	99
83) tert-Butylbenzene	12.99	119	303871	23.339	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	348670	23.903	ug/l	99
85) sec-Butylbenzene	13.17	105	402456	23.767	ug/l	100
86) p-Isopropyltoluene	13.29	119	360078	24.083	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	174380	22.780	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	170127	22.212	ug/l	99
89) n-Butylbenzene	13.62	91	300702	22.979	ug/l	100
90) Hexachloroethane	13.88	117	65040	21.664	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	170095	22.588	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27369	22.654	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	89840	21.512	ug/l	98
94) Hexachlorobutadiene	15.01	225	60448	23.281	ug/l	99
95) Naphthalene	15.13	128	238481	20.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	88479	20.966	ug/l	97

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

