

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011520\
 Data File : VN059713.D
 Acq On : 15 Jan 2020 11:49
 Operator : JC/MD
 Sample : VN0115WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 10:56:58 AM

Quant Time: Jan 16 04:06:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	281802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	252711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	105617	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	7.56	113	89485	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.08	98	335158	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	118857	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44286	20.123	ug/l	97
3) Chloromethane	2.04	50	41897	19.910	ug/l	97
4) Vinyl Chloride	2.17	62	50433	20.946	ug/l	97
5) Bromomethane	2.54	94	30472	20.738	ug/l	94
6) Chloroethane	2.68	64	22725	19.950	ug/l	95
7) Trichlorofluoromethane	3.00	101	58759	20.321	ug/l	99
8) Diethyl Ether	3.38	74	21240	20.931	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33680	20.928	ug/l	93
10) Methyl Iodide	3.93	142	51337	19.735	ug/l	95
11) Tert butyl alcohol	4.73	59	33276	96.837	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	33629	19.998	ug/l	88
13) Acrolein	3.58	56	18181	74.743	ug/l	100
14) Allyl chloride	4.29	41	51073	22.532	ug/l #	95
15) Acrylonitrile	4.94	53	79677	101.649	ug/l	99
16) Acetone	3.78	43	73635	99.750	ug/l	95
17) Carbon Disulfide	4.03	76	94048	19.632	ug/l	99
18) Methyl Acetate	4.29	43	48777	20.458	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	113077	20.624	ug/l	96
20) Methylene Chloride	4.52	84	37703	19.630	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	36365	20.343	ug/l	84
22) Diisopropyl ether	5.91	45	105190	20.478	ug/l	94
23) Vinyl Acetate	5.86	43	400212	100.631	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	63090	20.101	ug/l	97
25) 2-Butanone	6.80	43	108622	93.969	ug/l	93
26) 2,2-Dichloropropane	6.79	77	57791	19.153	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	41779	20.320	ug/l	86
28) Bromochloromethane	7.17	49	25043	19.963	ug/l #	71
29) Tetrahydrofuran	7.18	42	68602	95.920	ug/l #	87
30) Chloroform	7.35	83	66416	20.423	ug/l	100
31) Cyclohexane	7.63	56	58025	19.213	ug/l	87
32) 1,1,1-Trichloroethane	7.54	97	61495	20.452	ug/l	96
36) 1,1-Dichloropropene	7.77	75	48481	19.756	ug/l	94
37) Ethyl Acetate	6.90	43	43537	18.915	ug/l	95
38) Carbon Tetrachloride	7.75	117	53816	20.160	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	60262	19.915	ug/l	93
40) Benzene	8.02	78	146516	20.019	ug/l	99
41) Methacrylonitrile	7.15	41	20486m	18.070	ug/l	
42) 1,2-Dichloroethane	8.10	62	52017	20.962	ug/l	96
43) Isopropyl Acetate	8.14	43	77121	19.480	ug/l #	94
44) Trichloroethene	8.82	130	42125	21.084	ug/l	93
45) 1,2-Dichloropropane	9.10	63	37883	20.918	ug/l	97
46) Dibromomethane	9.19	93	26860	21.025	ug/l	90
47) Bromodichloromethane	9.39	83	53182	20.658	ug/l	100
48) Methyl methacrylate	9.18	41	34361	19.404	ug/l #	89
49) 1,4-Dioxane	9.18	88	13417	413.880	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	225090	98.355	ug/l	96
52) Toluene	10.14	92	94323	20.403	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	59079	20.552	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	62912	20.800	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	38143	20.832	ug/l	98
56) Ethyl methacrylate	10.42	69	56279	20.116	ug/l	90
57) 1,3-Dichloropropane	10.70	76	62030	21.339	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	96423	114.426	ug/l #	90
59) 2-Hexanone	10.74	43	163026	96.695	ug/l	94
60) Dibromochloromethane	10.89	129	43311	20.773	ug/l	100
61) 1,2-Dibromoethane	10.99	107	40264	20.981	ug/l	99
64) Tetrachloroethene	10.62	164	39880	19.363	ug/l	95
65) Chlorobenzene	11.43	112	103069	20.750	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39322	20.488	ug/l	98
67) Ethyl Benzene	11.50	91	183405	20.340	ug/l	98
68) m/p-Xylenes	11.61	106	141435	41.525	ug/l	93
69) o-Xylene	11.94	106	69273	20.774	ug/l	93
70) Styrene	11.96	104	113485	20.338	ug/l	97
71) Bromoform	12.12	173	32306	21.014	ug/l #	99
73) Isopropylbenzene	12.25	105	181205	20.132	ug/l	99
74) N-amyl acetate	12.07	43	65246	18.681	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	52941	20.289	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	50481m	24.441	ug/l	
77) Bromobenzene	12.52	156	46798	20.531	ug/l	81
78) n-propylbenzene	12.59	91	201863	19.981	ug/l	97
79) 2-Chlorotoluene	12.67	91	118303	19.684	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	152973	20.209	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18674	19.416	ug/l	92
82) 4-Chlorotoluene	12.77	91	121752	20.197	ug/l	95
83) tert-Butylbenzene	12.99	119	131741	20.123	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	153132	20.448	ug/l	99
85) sec-Butylbenzene	13.17	105	171811	19.974	ug/l	99
86) p-Isopropyltoluene	13.28	119	157766	19.822	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	79983	20.201	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	80873	20.475	ug/l	97
89) n-Butylbenzene	13.61	91	133014	19.601	ug/l	98
90) Hexachloroethane	13.87	117	29128	19.561	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	79810	20.390	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11453	19.161	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48834	20.763	ug/l	99
94) Hexachlorobutadiene	15.01	225	26317	20.305	ug/l	99
95) Naphthalene	15.13	128	133140	19.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46378	20.258	ug/l	98

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

