

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052830.D
 Acq On : 12 Dec 2018 16:36
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:28 PM

Quant Time: Dec 13 04:18:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1100375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1652577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1477066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	711647	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	565263	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.59	113	466141	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.09	98	2024776	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.40	95	702384	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	558533	49.309	ug/l	100
3) Chloromethane	2.06	50	651142	47.896	ug/l	99
4) Vinyl Chloride	2.19	62	651896	47.930	ug/l	100
5) Bromomethane	2.57	94	398994	47.562	ug/l	99
6) Chloroethane	2.71	64	374649	46.602	ug/l	99
7) Trichlorofluoromethane	3.02	101	830218	49.235	ug/l	99
8) Diethyl Ether	3.41	74	309535	50.322	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	527366	50.462	ug/l	99
10) Methyl Iodide	3.96	142	685842	46.861	ug/l	100
11) Tert butyl alcohol	4.78	59	142816	218.456	ug/l	99
12) 1,1-Dichloroethene	3.74	96	494945	48.923	ug/l	100
13) Acrolein	3.61	56	169293	275.045	ug/l	100
14) Allyl chloride	4.33	41	845047	51.140	ug/l	95
15) Acrylonitrile	4.99	53	910558	248.271	ug/l	99
16) Acetone	3.82	43	627369	238.746	ug/l	97
17) Carbon Disulfide	4.06	76	1521081	48.943	ug/l	100
18) Methyl Acetate	4.32	43	464662	48.182	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1356030	49.373	ug/l	99
20) Methylene Chloride	4.55	84	554129	46.859	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	522588	47.679	ug/l	100
22) Diisopropyl ether	5.95	45	1708540	48.466	ug/l	100
23) Vinyl Acetate	5.90	43	5367040	255.860	ug/l	99
24) 1,1-Dichloroethane	5.85	63	987549	48.578	ug/l	100
25) 2-Butanone	6.83	43	998682	244.933	ug/l	98
26) 2,2-Dichloropropane	6.83	77	752226	50.247	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	600757	48.293	ug/l	99
28) Bromochloromethane	7.20	49	442721	48.498	ug/l	98
29) Tetrahydrofuran	7.21	42	686388	246.587	ug/l	100
30) Chloroform	7.37	83	954794	48.163	ug/l	99
31) Cyclohexane	7.65	56	969440	48.883	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	808278	48.732	ug/l	99
36) 1,1-Dichloropropene	7.79	75	774444	50.890	ug/l	99
37) Ethyl Acetate	6.93	43	468335	51.229	ug/l	99
38) Carbon Tetrachloride	7.78	117	718220	51.274	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	983098	52.642	ug/l	98
40) Benzene	8.04	78	2278179	49.878	ug/l	100
41) Methacrylonitrile	7.17	41	224172	44.256	ug/l	90
42) 1,2-Dichloroethane	8.13	62	682088	49.604	ug/l	100
43) Isopropyl Acetate	8.16	43	856185	45.678	ug/l	100
44) Trichloroethene	8.84	130	614615	49.818	ug/l	98
45) 1,2-Dichloropropane	9.12	63	597814	49.970	ug/l	99
46) Dibromomethane	9.21	93	342707	49.395	ug/l	100
47) Bromodichloromethane	9.40	83	724067	50.326	ug/l	99
48) Methyl methacrylate	9.20	41	432229	52.583	ug/l	99
49) 1,4-Dioxane	9.20	88	73541	788.195	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2219034	258.184	ug/l	100
52) Toluene	10.16	92	1391093	50.286	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	763411	52.729	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	889118	51.536	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	492481	49.871	ug/l	98
56) Ethyl methacrylate	10.43	69	671651	52.998	ug/l	100
57) 1,3-Dichloropropane	10.71	76	849687	50.176	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1837678	259.877	ug/l	100
59) 2-Hexanone	10.75	43	1555712	264.121	ug/l	100
60) Dibromochloromethane	10.90	129	548182	51.363	ug/l	100
61) 1,2-Dibromoethane	11.01	107	499223	51.144	ug/l	100
64) Tetrachloroethene	10.63	164	623726	49.132	ug/l	99
65) Chlorobenzene	11.43	112	1531293	49.971	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	536850	50.373	ug/l	100
67) Ethyl Benzene	11.51	91	2688440	51.087	ug/l	100
68) m/p-Xylenes	11.62	106	2037660	103.120	ug/l	100
69) o-Xylene	11.95	106	976019	50.583	ug/l	99
70) Styrene	11.96	104	1622573	52.311	ug/l	100
71) Bromoform	12.13	173	376305	51.973	ug/l	# 100
73) Isopropylbenzene	12.25	105	2638779	49.663	ug/l	100
74) N-amyl acetate	12.07	43	758704	52.011	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	574653	48.257	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	499481m	47.572	ug/l	
77) Bromobenzene	12.53	156	662130	48.994	ug/l	100
78) n-propylbenzene	12.59	91	3079194	50.813	ug/l	100
79) 2-Chlorotoluene	12.68	91	1758808	49.094	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2153194	50.200	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	174807	53.485	ug/l	98
82) 4-Chlorotoluene	12.77	91	1820753	49.708	ug/l	100
83) tert-Butylbenzene	12.99	119	1891562	49.993	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2170944	49.995	ug/l	100
85) sec-Butylbenzene	13.17	105	2607021	50.877	ug/l	100
86) p-Isopropyltoluene	13.29	119	2282538	51.415	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1198362	49.898	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1185956	49.865	ug/l	100
89) n-Butylbenzene	13.62	91	1967493	52.645	ug/l	100
90) Hexachloroethane	13.88	117	376825	50.691	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1132367	49.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	92254	51.394	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	696354	55.452	ug/l	100
94) Hexachlorobutadiene	15.01	225	379522	52.213	ug/l	99
95) Naphthalene	15.13	128	1436506	55.231	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	635231	55.128	ug/l	100

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

