

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053048.D
 Acq On : 20 Dec 2018 11:27
 Operator : MD\SY
 Sample : VN1220WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 9:20:50 AM

Quant Time: Dec 21 00:48:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1024705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1553316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1388831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	652166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	537785	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	429652	60.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.10%	
50) Toluene-d8	10.09	98	1999658	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.40	95	688666	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	190199	18.340	ug/l	100
3) Chloromethane	2.06	50	234930	18.694	ug/l	100
4) Vinyl Chloride	2.19	62	235948	18.538	ug/l	97
5) Bromomethane	2.58	94	157532	17.865	ug/l	99
6) Chloroethane	2.71	64	140119	18.588	ug/l	99
7) Trichlorofluoromethane	3.02	101	303641	19.151	ug/l	99
8) Diethyl Ether	3.41	74	118148	19.752	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	194647	19.254	ug/l	98
10) Methyl Iodide	3.96	142	270960	19.086	ug/l	99
11) Tert butyl alcohol	4.78	59	58909	92.844	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	185635	19.007	ug/l	99
13) Acrolein	3.61	56	51099	88.818	ug/l	97
14) Allyl chloride	4.33	41	282044	18.643	ug/l	99
15) Acrylonitrile	4.99	53	337550	95.761	ug/l	99
16) Acetone	3.82	43	186889	91.663	ug/l	95
17) Carbon Disulfide	4.06	76	511564	16.061	ug/l	99
18) Methyl Acetate	4.32	43	173067	19.323	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	509416	19.490	ug/l	99
20) Methylene Chloride	4.55	84	214584	19.294	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	197720	18.842	ug/l	99
22) Diisopropyl ether	5.95	45	649938	20.127	ug/l	97
23) Vinyl Acetate	5.90	43	1890492	101.810	ug/l	98
24) 1,1-Dichloroethane	5.85	63	376192	19.605	ug/l	99
25) 2-Butanone	6.83	43	338890	99.040	ug/l	99
26) 2,2-Dichloropropane	6.83	77	273534	18.674	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	233880	19.687	ug/l	98
28) Bromochloromethane	7.20	49	163451	19.658	ug/l	95
29) Tetrahydrofuran	7.21	42	249369	97.578	ug/l	97
30) Chloroform	7.37	83	367025	19.471	ug/l	100
31) Cyclohexane	7.65	56	363099	19.535	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	302410	18.833	ug/l	99
36) 1,1-Dichloropropene	7.79	75	287246	19.266	ug/l	99
37) Ethyl Acetate	6.93	43	166218	19.971	ug/l	99
38) Carbon Tetrachloride	7.77	117	259174	18.965	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	338322	18.680	ug/l	97
40) Benzene	8.04	78	875277	19.737	ug/l	100
41) Methacrylonitrile	7.17	41	98774	20.540	ug/l	96
42) 1,2-Dichloroethane	8.12	62	252554	19.278	ug/l	98
43) Isopropyl Acetate	8.16	43	320423	19.252	ug/l	100
44) Trichloroethene	8.84	130	244289	19.045	ug/l	98
45) 1,2-Dichloropropane	9.12	63	230725	19.974	ug/l	100
46) Dibromomethane	9.21	93	131897	19.601	ug/l	98
47) Bromodichloromethane	9.40	83	275342	19.250	ug/l	99
48) Methyl methacrylate	9.20	41	152819	18.922	ug/l	97
49) 1,4-Dioxane	9.20	88	37140	363.537	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	819388	101.659	ug/l	99
52) Toluene	10.16	92	536192	19.507	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	276191	18.363	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	335235	19.418	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	190347	19.849	ug/l	98
56) Ethyl methacrylate	10.43	69	249495	19.657	ug/l	97
57) 1,3-Dichloropropane	10.71	76	329558	20.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	708043	101.610	ug/l	98
59) 2-Hexanone	10.75	43	541678	99.329	ug/l	98
60) Dibromochloromethane	10.90	129	201185	18.328	ug/l	99
61) 1,2-Dibromoethane	11.01	107	189593	19.467	ug/l	100
64) Tetrachloroethene	10.63	164	273741	18.196	ug/l	99
65) Chlorobenzene	11.43	112	631000	20.496	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	203178	18.978	ug/l	98
67) Ethyl Benzene	11.51	91	1039218	19.628	ug/l	99
68) m/p-Xylenes	11.62	106	784697	38.987	ug/l	99
69) o-Xylene	11.95	106	388058	20.092	ug/l	100
70) Styrene	11.96	104	629724	19.996	ug/l	100
71) Bromoform	12.13	173	135746	17.552	ug/l #	99
73) Isopropylbenzene	12.25	105	1023078	20.050	ug/l	100
74) N-amyl acetate	12.07	43	281334	19.859	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	208700	20.848	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	190398m	17.343	ug/l	
77) Bromobenzene	12.53	156	301953	22.765	ug/l	82
78) n-propylbenzene	12.59	91	1149831	19.786	ug/l	99
79) 2-Chlorotoluene	12.67	91	677837	18.817	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	825234	19.842	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59890	17.583	ug/l	98
82) 4-Chlorotoluene	12.77	91	691159	19.601	ug/l	99
83) tert-Butylbenzene	12.99	119	714779	19.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	839123	20.070	ug/l	100
85) sec-Butylbenzene	13.17	105	950124	19.097	ug/l	99
86) p-Isopropyltoluene	13.29	119	834098	19.402	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	449243	19.137	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	447925	18.841	ug/l	99
89) n-Butylbenzene	13.62	91	683142	18.471	ug/l	99
90) Hexachloroethane	13.88	117	113196	17.158	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	433559	19.623	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32631	18.852	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	223038	19.423	ug/l	98
94) Hexachlorobutadiene	15.01	225	132226	20.099	ug/l	99
95) Naphthalene	15.13	128	502046	20.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	204169	19.680	ug/l	99

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

