

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN053995.D
 Acq On : 28 Feb 2019 10:50
 Operator : JC/SP
 Sample : VN0228WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 4:10:10 PM

Quant Time: Mar 01 04:16:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	732391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1176905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1031236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	476063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	452127	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.59	113	392901	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	10.09	98	1488769	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.40	95	498664	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	145420	21.574	ug/l	99
3) Chloromethane	2.06	50	198039	21.182	ug/l	98
4) Vinyl Chloride	2.19	62	194997	20.816	ug/l	99
5) Bromomethane	2.57	94	124376	20.048	ug/l	99
6) Chloroethane	2.71	64	121041	20.776	ug/l	97
7) Trichlorofluoromethane	3.02	101	252129	21.068	ug/l	100
8) Diethyl Ether	3.41	74	92726	20.681	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	163806	21.672	ug/l	93
10) Methyl Iodide	3.96	142	206796	20.822	ug/l	97
11) Tert butyl alcohol	4.78	59	57492	105.635	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	148275	20.509	ug/l	94
13) Acrolein	3.61	56	47890	84.989	ug/l	99
14) Allyl chloride	4.32	41	275648	21.738	ug/l	95
15) Acrylonitrile	4.99	53	310768	108.339	ug/l	99
16) Acetone	3.81	43	296510	124.361	ug/l	96
17) Carbon Disulfide	4.06	76	470816	20.186	ug/l	98
18) Methyl Acetate	4.32	43	132996	22.154	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	412415	21.264	ug/l	98
20) Methylene Chloride	4.55	84	177600	20.901	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	163992	20.957	ug/l	92
22) Diisopropyl ether	5.95	45	543579	22.220	ug/l	96
23) Vinyl Acetate	5.89	43	1895325	107.698	ug/l	95
24) 1,1-Dichloroethane	5.85	63	319178	21.276	ug/l	97
25) 2-Butanone	6.83	43	376943	111.819	ug/l	95
26) 2,2-Dichloropropane	6.82	77	239963	22.514	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	184720	21.226	ug/l	94
28) Bromochloromethane	7.19	49	158055	23.017	ug/l #	80
29) Tetrahydrofuran	7.21	42	239226	106.566	ug/l	92
30) Chloroform	7.37	83	310955	21.376	ug/l	99
31) Cyclohexane	7.65	56	304683	21.963	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	257156	21.440	ug/l	97
36) 1,1-Dichloropropene	7.79	75	239252	21.860	ug/l	97
37) Ethyl Acetate	6.93	43	159115	20.360	ug/l #	92
38) Carbon Tetrachloride	7.77	117	228347	20.060	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	282481	21.413	ug/l	94
40) Benzene	8.04	78	708726	21.079	ug/l	99
41) Methacrylonitrile	7.19	41	104875m	20.841	ug/l	
42) 1,2-Dichloroethane	8.12	62	223017	21.424	ug/l	98
43) Isopropyl Acetate	8.16	43	268349	20.337	ug/l	94
44) Trichloroethene	8.83	130	190262	21.345	ug/l	95
45) 1,2-Dichloropropane	9.12	63	193121	21.289	ug/l	99
46) Dibromomethane	9.21	93	111854	21.239	ug/l	92
47) Bromodichloromethane	9.40	83	238077	21.451	ug/l	99
48) Methyl methacrylate	9.20	41	128897	21.237	ug/l	92
49) 1,4-Dioxane	9.20	88	36470	443.649	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	744311	109.772	ug/l	95
52) Toluene	10.16	92	424998	21.466	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	232520	21.532	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	273381	21.475	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	156792	21.206	ug/l	98
56) Ethyl methacrylate	10.43	69	186718	20.461	ug/l	90
57) 1,3-Dichloropropane	10.71	76	268753	21.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	440722	105.942	ug/l	95
59) 2-Hexanone	10.75	43	489353	110.967	ug/l	92
60) Dibromochloromethane	10.90	129	172940	21.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	148247	20.785	ug/l	100
64) Tetrachloroethene	10.63	164	186924	21.406	ug/l	97
65) Chlorobenzene	11.43	112	453643	20.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	166167	21.185	ug/l	100
67) Ethyl Benzene	11.51	91	780036	21.379	ug/l	98
68) m/p-Xylenes	11.62	106	600688	43.621	ug/l	96
69) o-Xylene	11.95	106	284727	21.043	ug/l	98
70) Styrene	11.96	104	465559	22.370	ug/l	98
71) Bromoform	12.13	173	114275	20.942	ug/l #	99
73) Isopropylbenzene	12.25	105	760035	20.509	ug/l	99
74) N-amyl acetate	12.07	43	202210	20.819	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	186423	20.117	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	166852m	21.848	ug/l	
77) Bromobenzene	12.53	156	190209	20.216	ug/l	90
78) n-propylbenzene	12.59	91	901980	21.402	ug/l	98
79) 2-Chlorotoluene	12.67	91	529858	20.929	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	652354	21.503	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	48004	19.867	ug/l	89
82) 4-Chlorotoluene	12.77	91	538794	21.533	ug/l	96
83) tert-Butylbenzene	12.99	119	560631	20.894	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	653454	21.575	ug/l	99
85) sec-Butylbenzene	13.17	105	781298	21.319	ug/l	98
86) p-Isopropyltoluene	13.29	119	670774	21.651	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	339006	20.828	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	329861	20.889	ug/l	98
89) n-Butylbenzene	13.62	91	582052	22.292	ug/l	98
90) Hexachloroethane	13.87	117	116999	19.488	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	326027	20.693	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27149	20.731	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161259	19.832	ug/l	99
94) Hexachlorobutadiene	15.01	225	125253	22.007	ug/l	98
95) Naphthalene	15.13	128	298759	18.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	154797	19.426	ug/l	97

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

