

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054530.D
 Acq On : 22 Mar 2019 00:53
 Operator : JC/SP
 Sample : VN0321WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:16:39 PM

Quant Time: Mar 22 10:34:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	477260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	780706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	671958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	275789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	334392	56.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.66%	
35) Dibromofluoromethane	7.59	113	261721	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	10.09	98	955800	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	311626	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94999	20.822	ug/l	98
3) Chloromethane	2.06	50	134311	21.636	ug/l	99
4) Vinyl Chloride	2.19	62	131509	21.101	ug/l	99
5) Bromomethane	2.57	94	76775	19.051	ug/l	97
6) Chloroethane	2.71	64	73772	19.734	ug/l	99
7) Trichlorofluoromethane	3.02	101	157658	20.830	ug/l	99
8) Diethyl Ether	3.41	74	59992	20.609	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	80912	18.190	ug/l	95
10) Methyl Iodide	3.94	142	110582	16.900	ug/l	93
11) Tert butyl alcohol	4.83	59	43427	120.832	ug/l	97
12) 1,1-Dichloroethene	3.73	96	88227	19.166	ug/l #	79
13) Acrolein	3.61	56	46277	93.305	ug/l	98
14) Allyl chloride	4.31	41	184971	21.339	ug/l #	91
15) Acrylonitrile	5.00	53	222057	124.070	ug/l	99
16) Acetone	3.82	43	166381	93.223	ug/l #	83
17) Carbon Disulfide	4.04	76	232854	18.879	ug/l	99
18) Methyl Acetate	4.33	43	100185	25.184	ug/l #	90
19) Methyl tert-butyl Ether	5.06	73	307282	22.872	ug/l	94
20) Methylene Chloride	4.54	84	115480	21.950	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	105166	22.373	ug/l	89
22) Diisopropyl ether	5.96	45	394504	23.073	ug/l #	92
23) Vinyl Acetate	5.90	43	1425881	118.076	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	214192	23.266	ug/l	97
25) 2-Butanone	6.85	43	277954	121.575	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	104292	15.892	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	123412	22.012	ug/l	92
28) Bromochloromethane	7.20	49	106014	23.395	ug/l #	76
29) Tetrahydrofuran	7.22	42	193519	130.435	ug/l #	85
30) Chloroform	7.37	83	203658	22.668	ug/l	100
31) Cyclohexane	7.65	56	196214	21.172	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	169087	22.812	ug/l	95
36) 1,1-Dichloropropene	7.79	75	150884	20.670	ug/l	95
37) Ethyl Acetate	6.94	43	125902	24.250	ug/l	97
38) Carbon Tetrachloride	7.77	117	144044	20.306	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	159229	19.069	ug/l	90
40) Benzene	8.04	78	455565	21.825	ug/l	99
41) Methacrylonitrile	7.18	41	68671	21.689	ug/l	92
42) 1,2-Dichloroethane	8.13	62	166806	21.943	ug/l	97
43) Isopropyl Acetate	8.17	43	205467	23.433	ug/l #	94
44) Trichloroethene	8.83	130	121031	20.855	ug/l	93
45) 1,2-Dichloropropane	9.12	63	126325	22.538	ug/l	99
46) Dibromomethane	9.21	93	73984	22.126	ug/l	91
47) Bromodichloromethane	9.40	83	151373	21.813	ug/l	96
48) Methyl methacrylate	9.20	41	108267	22.750	ug/l	88
49) 1,4-Dioxane	9.21	88	24957	469.088	ug/l #	88
51) 4-Methyl-2-Pentanone	9.99	43	593350	122.105	ug/l	93
52) Toluene	10.16	92	267604	20.844	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	128921	19.057	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	160600	20.183	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	103460	22.419	ug/l	97
56) Ethyl methacrylate	10.43	69	132404	21.376	ug/l #	81
57) 1,3-Dichloropropane	10.71	76	181038	22.567	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	266346	104.424	ug/l	90
59) 2-Hexanone	10.75	43	362864	114.321	ug/l	92
60) Dibromochloromethane	10.90	129	102124	20.796	ug/l	100
61) 1,2-Dibromoethane	11.01	107	99606	21.832	ug/l	99
64) Tetrachloroethene	10.63	164	115689	20.757	ug/l	94
65) Chlorobenzene	11.44	112	278040	20.344	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	104835	21.371	ug/l	98
67) Ethyl Benzene	11.51	91	486431	20.149	ug/l	99
68) m/p-Xylenes	11.62	106	359204	39.282	ug/l	95
69) o-Xylene	11.95	106	179001	20.044	ug/l	95
70) Styrene	11.96	104	292317	20.157	ug/l	97
71) Bromoform	12.13	173	61099	19.484	ug/l #	100
73) Isopropylbenzene	12.25	105	461145	20.750	ug/l	100
74) N-amyl acetate	12.07	43	152695	23.896	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	120319	23.717	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	110813m	25.321	ug/l	
77) Bromobenzene	12.53	156	115311	20.921	ug/l	85
78) n-propylbenzene	12.59	91	499310	20.720	ug/l	98
79) 2-Chlorotoluene	12.68	91	313802	20.882	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	384829	21.128	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20551	18.333	ug/l #	72
82) 4-Chlorotoluene	12.77	91	303363	20.826	ug/l	96
83) tert-Butylbenzene	12.99	119	338893	21.375	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	380250	21.276	ug/l	97
85) sec-Butylbenzene	13.17	105	414785	20.987	ug/l	96
86) p-Isopropyltoluene	13.29	119	368477	20.839	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	185701	20.331	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	178746	20.113	ug/l	96
89) n-Butylbenzene	13.62	91	277445	20.067	ug/l	96
90) Hexachloroethane	13.88	117	56970	20.757	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	190089	21.486	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18331	24.635	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85367	19.356	ug/l	99
94) Hexachlorobutadiene	15.01	225	54267	20.435	ug/l	99
95) Naphthalene	15.13	128	204579	20.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	91552	20.857	ug/l	98

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

