

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054208.D
 Acq On : 13 Mar 2019 13:29
 Operator : JC/SP
 Sample : VN0313WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:27:19 AM

Quant Time: Mar 14 06:51:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1372151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2110387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1858885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	897124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	758542	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	7.59	113	692120	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.09	98	2507744	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	863082	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	280360	21.559	ug/l	98
3) Chloromethane	2.06	50	249158	19.724	ug/l	100
4) Vinyl Chloride	2.19	62	295653	20.477	ug/l	99
5) Bromomethane	2.58	94	208308	20.831	ug/l	98
6) Chloroethane	2.71	64	172005	19.690	ug/l	100
7) Trichlorofluoromethane	3.02	101	380134	19.803	ug/l	99
8) Diethyl Ether	3.41	74	187991	21.490	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	319107	22.184	ug/l	98
10) Methyl Iodide	3.95	142	350720	18.151	ug/l	100
11) Tert butyl alcohol	4.81	59	96105	96.202	ug/l	100
12) 1,1-Dichloroethene	3.73	96	306010	21.467	ug/l	100
13) Acrolein	3.61	56	78842	83.287	ug/l	100
14) Allyl chloride	4.32	41	371551	20.315	ug/l	99
15) Acrylonitrile	5.00	53	430953	105.019	ug/l	99
16) Acetone	3.82	43	364380	87.331	ug/l	98
17) Carbon Disulfide	4.04	76	675391	18.900	ug/l	99
18) Methyl Acetate	4.33	43	189566	22.457	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	751134	21.258	ug/l	98
20) Methylene Chloride	4.55	84	292342	21.339	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	284515	20.831	ug/l	99
22) Diisopropyl ether	5.96	45	764320	20.938	ug/l	98
23) Vinyl Acetate	5.90	43	2788809	103.619	ug/l	98
24) 1,1-Dichloroethane	5.85	63	494159	21.084	ug/l	99
25) 2-Butanone	6.85	43	495027	101.086	ug/l	100
26) 2,2-Dichloropropane	6.82	77	391930	19.015	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	328939	21.588	ug/l	98
28) Bromochloromethane	7.19	49	201370	21.016	ug/l	97
29) Tetrahydrofuran	7.22	42	325983	103.531	ug/l	99
30) Chloroform	7.37	83	533979	21.833	ug/l	96
31) Cyclohexane	7.65	56	461802	20.347	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	453518	20.532	ug/l	99
36) 1,1-Dichloropropene	7.79	75	390401	20.088	ug/l	99
37) Ethyl Acetate	6.94	43	226330	20.268	ug/l	99
38) Carbon Tetrachloride	7.77	117	387464	19.011	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	486356	20.339	ug/l	99
40) Benzene	8.04	78	1164228	20.934	ug/l	99
41) Methacrylonitrile	7.18	41	122127	19.154	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	389687	20.754	ug/l	99
43) Isopropyl Acetate	8.17	43	384294	19.606	ug/l	99
44) Trichloroethene	8.83	130	354632	20.527	ug/l	100
45) 1,2-Dichloropropane	9.12	63	283935	20.561	ug/l	100
46) Dibromomethane	9.21	93	192603	20.642	ug/l	99
47) Bromodichloromethane	9.40	83	379191	20.272	ug/l	97
48) Methyl methacrylate	9.20	41	195823	19.686	ug/l	94
49) 1,4-Dioxane	9.20	88	56019	398.135	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1061684	102.350	ug/l	100
52) Toluene	10.16	92	727551	20.632	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	363725	18.312	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	431242	19.784	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	265829	20.645	ug/l	99
56) Ethyl methacrylate	10.43	69	309259	20.143	ug/l	99
57) 1,3-Dichloropropane	10.71	76	438582	20.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	613134	102.683	ug/l	98
59) 2-Hexanone	10.75	43	672503	97.433	ug/l	99
60) Dibromochloromethane	10.90	129	280657	19.365	ug/l	99
61) 1,2-Dibromoethane	11.00	107	270698	20.688	ug/l	98
64) Tetrachloroethene	10.63	164	363630	20.232	ug/l	100
65) Chlorobenzene	11.43	112	840208	20.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	299778	20.218	ug/l	99
67) Ethyl Benzene	11.51	91	1376383	20.343	ug/l	99
68) m/p-Xylenes	11.62	106	1080600	40.863	ug/l	99
69) o-Xylene	11.95	106	528652	20.507	ug/l	100
70) Styrene	11.96	104	827176	20.459	ug/l	100
71) Bromoform	12.13	173	181071	17.618	ug/l #	98
73) Isopropylbenzene	12.25	105	1430637	19.932	ug/l	99
74) N-amyl acetate	12.07	43	305542	19.178	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	300771	19.668	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	253701m	19.231	ug/l	
77) Bromobenzene	12.53	156	377444	19.873	ug/l	98
78) n-propylbenzene	12.59	91	1542885	19.811	ug/l	100
79) 2-Chlorotoluene	12.67	91	925139	19.756	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1174099	19.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59213	15.343	ug/l	88
82) 4-Chlorotoluene	12.77	91	922494	19.729	ug/l	100
83) tert-Butylbenzene	12.99	119	1088260	19.804	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1174447	20.052	ug/l	99
85) sec-Butylbenzene	13.17	105	1412931	19.826	ug/l	100
86) p-Isopropyltoluene	13.29	119	1243665	19.892	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	644361	20.134	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	633623	20.154	ug/l	99
89) n-Butylbenzene	13.62	91	949296	19.983	ug/l	100
90) Hexachloroethane	13.88	117	179120	17.302	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	633520	20.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43677	18.457	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	334730	19.346	ug/l	99
94) Hexachlorobutadiene	15.01	225	240206	20.157	ug/l	100
95) Naphthalene	15.13	128	658406	19.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	339804	20.442	ug/l	99

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

