

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054947.D
 Acq On : 4 Apr 2019 15:07
 Operator : JC/SP
 Sample : VN0404WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:43:33 PM

Quant Time: Apr 05 03:39:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	429821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	622161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	258419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	300354	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
35) Dibromofluoromethane	7.59	113	242036	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.09	98	903452	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	296449	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110444	21.489	ug/l	98
3) Chloromethane	2.06	50	137090	20.174	ug/l	98
4) Vinyl Chloride	2.19	62	120352	20.271	ug/l	98
5) Bromomethane	2.58	94	67899	20.034	ug/l	93
6) Chloroethane	2.71	64	66677	20.135	ug/l	100
7) Trichlorofluoromethane	3.02	101	150044	20.814	ug/l	97
8) Diethyl Ether	3.41	74	47895	20.861	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	75744	19.831	ug/l	98
10) Methyl Iodide	3.95	142	105254	19.550	ug/l	99
11) Tert butyl alcohol	4.82	59	33061	113.052	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	74781	19.738	ug/l	98
13) Acrolein	3.61	56	45865	105.938	ug/l	96
14) Allyl chloride	4.32	41	177238	21.078	ug/l	98
15) Acrylonitrile	5.00	53	184937	105.457	ug/l	100
16) Acetone	3.82	43	155537	96.412	ug/l	99
17) Carbon Disulfide	4.04	76	238793	19.800	ug/l	99
18) Methyl Acetate	4.33	43	81273	21.130	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	257608	20.962	ug/l	99
20) Methylene Chloride	4.54	84	105474	20.053	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	95092	20.096	ug/l	98
22) Diisopropyl ether	5.96	45	356513	20.644	ug/l	91
23) Vinyl Acetate	5.90	43	1274115	106.025	ug/l	99
24) 1,1-Dichloroethane	5.85	63	193672	20.565	ug/l	99
25) 2-Butanone	6.85	43	231473	108.777	ug/l	99
26) 2,2-Dichloropropane	6.82	77	133130	20.165	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	109433	20.387	ug/l	100
28) Bromochloromethane	7.20	49	89762	20.345	ug/l	97
29) Tetrahydrofuran	7.22	42	153106	109.771	ug/l	99
30) Chloroform	7.37	83	186322	20.876	ug/l	99
31) Cyclohexane	7.65	56	188675	20.210	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	151767	20.150	ug/l	99
36) 1,1-Dichloropropene	7.79	75	135154	18.926	ug/l	98
37) Ethyl Acetate	6.94	43	102767	20.970	ug/l	98
38) Carbon Tetrachloride	7.77	117	132047	19.147	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	156494	19.920	ug/l	97
40) Benzene	8.04	78	418204	20.352	ug/l	98
41) Methacrylonitrile	7.18	41	59730	21.316	ug/l	97
42) 1,2-Dichloroethane	8.13	62	143527	19.877	ug/l	99
43) Isopropyl Acetate	8.17	43	171386	20.751	ug/l	100
44) Trichloroethene	8.83	130	105640	20.106	ug/l	97
45) 1,2-Dichloropropane	9.12	63	116471	20.343	ug/l	99
46) Dibromomethane	9.21	93	65915	20.302	ug/l	99
47) Bromodichloromethane	9.40	83	133669	19.601	ug/l	97
48) Methyl methacrylate	9.20	41	85816	20.525	ug/l	99
49) 1,4-Dioxane	9.20	88	18277	433.088	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	483413	104.917	ug/l	98
52) Toluene	10.16	92	242361	20.010	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	123483	18.827	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	152154	19.824	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	89289	20.333	ug/l	99
56) Ethyl methacrylate	10.43	69	113417	19.753	ug/l	96
57) 1,3-Dichloropropane	10.71	76	158464	20.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	235967	98.727	ug/l	98
59) 2-Hexanone	10.75	43	306673	106.559	ug/l	98
60) Dibromochloromethane	10.90	129	89656	19.491	ug/l	99
61) 1,2-Dibromoethane	11.01	107	84956	20.575	ug/l	98
64) Tetrachloroethene	10.63	164	99866	19.902	ug/l	99
65) Chlorobenzene	11.43	112	256796	20.250	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	96531	20.790	ug/l	98
67) Ethyl Benzene	11.51	91	462155	20.212	ug/l	99
68) m/p-Xylenes	11.62	106	341605	40.869	ug/l	98
69) o-Xylene	11.95	106	162022	19.873	ug/l	97
70) Styrene	11.96	104	269334	20.595	ug/l	100
71) Bromoform	12.13	173	55575	19.914	ug/l #	100
73) Isopropylbenzene	12.25	105	437703	20.051	ug/l	99
74) N-amyl acetate	12.07	43	129635	21.365	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	107821	21.159	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	95725m	21.992	ug/l	
77) Bromobenzene	12.53	156	107140	20.266	ug/l	96
78) n-propylbenzene	12.59	91	487203	20.257	ug/l	100
79) 2-Chlorotoluene	12.67	91	299744	20.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	362057	20.195	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21851	19.532	ug/l	92
82) 4-Chlorotoluene	12.77	91	285781	20.270	ug/l	99
83) tert-Butylbenzene	12.99	119	308825	20.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	347284	20.021	ug/l	98
85) sec-Butylbenzene	13.17	105	395258	20.037	ug/l	100
86) p-Isopropyltoluene	13.29	119	347821	20.464	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	173167	19.691	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	167546	20.013	ug/l	99
89) n-Butylbenzene	13.61	91	274672	20.221	ug/l	99
90) Hexachloroethane	13.87	117	55515	19.444	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	173946	20.146	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15470	20.703	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76917	18.672	ug/l	99
94) Hexachlorobutadiene	15.01	225	56148	19.438	ug/l	97
95) Naphthalene	15.13	128	160828	18.367	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	79158	19.965	ug/l	98

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

