

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054893.D
 Acq On : 2 Apr 2019 11:27
 Operator : JC/SP
 Sample : VN0402WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:44:29 AM

Quant Time: Apr 03 05:34:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	393779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	658566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241724	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	279907	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
35) Dibromofluoromethane	7.59	113	222464	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.09	98	833627	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	270305	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	80581	20.231	ug/l	100
3) Chloromethane	2.06	50	112516	20.430	ug/l	99
4) Vinyl Chloride	2.19	62	104118	21.052	ug/l	99
5) Bromomethane	2.57	94	61364	22.426	ug/l	100
6) Chloroethane	2.71	64	57978	20.994	ug/l	98
7) Trichlorofluoromethane	3.03	101	133390	21.938	ug/l	100
8) Diethyl Ether	3.41	74	45363	23.169	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.76	101	69685	21.771	ug/l	93
10) Methyl Iodide	3.95	142	87820	20.042	ug/l #	89
11) Tert butyl alcohol	4.81	59	29827	107.846	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	69619	22.492	ug/l #	77
13) Acrolein	3.61	56	22283	90.124	ug/l	92
14) Allyl chloride	4.32	41	156503	20.527	ug/l #	93
15) Acrylonitrile	5.00	53	166550	108.342	ug/l	98
16) Acetone	3.82	43	155911	123.169	ug/l #	82
17) Carbon Disulfide	4.04	76	192856	19.210	ug/l	99
18) Methyl Acetate	4.33	43	75095	22.267	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	234638	21.671	ug/l #	90
20) Methylene Chloride	4.55	84	96798	21.679	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	85168	20.948	ug/l #	82
22) Diisopropyl ether	5.96	45	332045	22.020	ug/l #	95
23) Vinyl Acetate	5.90	43	1145193	109.130	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	178634	22.207	ug/l	99
25) 2-Butanone	6.85	43	215166	114.992	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	123005	21.817	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	102486	22.314	ug/l	88
28) Bromochloromethane	7.19	49	96209	23.919	ug/l #	70
29) Tetrahydrofuran	7.22	42	139589	107.410	ug/l #	84
30) Chloroform	7.37	83	173236	22.585	ug/l	99
31) Cyclohexane	7.65	56	163550	21.124	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	140521	22.107	ug/l	96
36) 1,1-Dichloropropene	7.79	75	123930	20.195	ug/l	96
37) Ethyl Acetate	6.94	43	92686	20.596	ug/l	97
38) Carbon Tetrachloride	7.77	117	120126	20.154	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	137834	20.431	ug/l	90
40) Benzene	8.04	78	381303	21.715	ug/l	100
41) Methacrylonitrile	7.18	41	56051	22.173	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	134699	21.484	ug/l	98
43) Isopropyl Acetate	8.17	43	157287	21.511	ug/l #	92
44) Trichloroethene	8.83	130	97938	21.487	ug/l	92
45) 1,2-Dichloropropane	9.12	63	107798	21.530	ug/l	96
46) Dibromomethane	9.21	93	61266	21.752	ug/l	88
47) Bromodichloromethane	9.40	83	128732	21.992	ug/l	98
48) Methyl methacrylate	9.20	41	77220	19.482	ug/l	91
49) 1,4-Dioxane	9.20	88	17359	441.386	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	437633	106.454	ug/l	93
52) Toluene	10.16	92	230277	22.040	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	112677	20.463	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	142823	21.714	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	84018	21.626	ug/l	95
56) Ethyl methacrylate	10.43	69	104224	20.450	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	145368	21.764	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	192239	94.295	ug/l #	88
59) 2-Hexanone	10.75	43	276770	105.168	ug/l	91
60) Dibromochloromethane	10.90	129	85832	21.810	ug/l	100
61) 1,2-Dibromoethane	11.01	107	80530	21.690	ug/l	97
64) Tetrachloroethene	10.63	164	92924	21.233	ug/l	97
65) Chlorobenzene	11.43	112	235700	21.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88407	21.153	ug/l	98
67) Ethyl Benzene	11.51	91	427490	21.216	ug/l	97
68) m/p-Xylenes	11.62	106	309118	41.456	ug/l	91
69) o-Xylene	11.95	106	153744	21.027	ug/l	94
70) Styrene	11.96	104	253008	21.641	ug/l	97
71) Bromoform	12.13	173	51421	21.001	ug/l #	99
73) Isopropylbenzene	12.25	105	413004	20.904	ug/l	97
74) N-amyl acetate	12.07	43	122935	19.972	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	101576	22.375	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	90379m	21.522	ug/l	
77) Bromobenzene	12.53	156	98729	20.705	ug/l	85
78) n-propylbenzene	12.59	91	453030	20.862	ug/l	95
79) 2-Chlorotoluene	12.67	91	280318	20.865	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	338133	20.857	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19286	17.864	ug/l #	80
82) 4-Chlorotoluene	12.77	91	268528	20.578	ug/l	95
83) tert-Butylbenzene	12.99	119	287358	21.695	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	329306	21.321	ug/l	97
85) sec-Butylbenzene	13.17	105	370600	21.044	ug/l	96
86) p-Isopropyltoluene	13.29	119	318621	20.513	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	167640	20.998	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	156591	19.998	ug/l	98
89) n-Butylbenzene	13.61	91	244048	19.257	ug/l	97
90) Hexachloroethane	13.87	117	53719	20.370	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	165716	20.568	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14336	21.225	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68600	17.660	ug/l	100
94) Hexachlorobutadiene	15.01	225	50991	20.944	ug/l	98
95) Naphthalene	15.13	128	148669	17.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	71480	18.221	ug/l	99

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

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