

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054357.D
 Acq On : 17 Mar 2019 1:26
 Operator : JC/SP
 Sample : VN0316WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 12:05:45 PM

Quant Time: Mar 18 08:01:00 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	7.66	168	1148749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1837913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1590263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	702585	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	669798	54.90	ug/l	0.00
Spiked Amount			Recovery	=	109.80%	
35) Dibromofluoromethane	7.59	113	610063	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	10.09	98	2158203	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.40	95	717596	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	227638	20.909	ug/l	99
3) Chloromethane	2.06	50	217196	20.538	ug/l	100
4) Vinyl Chloride	2.19	62	254462	21.052	ug/l	99
5) Bromomethane	2.57	94	179614	21.455	ug/l	97
6) Chloroethane	2.71	64	152251	20.818	ug/l	98
7) Trichlorofluoromethane	3.02	101	327238	20.362	ug/l	100
8) Diethyl Ether	3.41	74	176087	24.044	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	255231	21.194	ug/l	99
10) Methyl Iodide	3.94	142	383206	23.233	ug/l	100
11) Tert butyl alcohol	4.82	59	86537	103.470	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	263716	22.097	ug/l	98
13) Acrolein	3.61	56	68435	86.352	ug/l	97
14) Allyl chloride	4.32	41	308541	20.150	ug/l	99
15) Acrylonitrile	5.00	53	423492	123.271	ug/l	99
16) Acetone	3.82	43	315507	90.324	ug/l	100
17) Carbon Disulfide	4.04	76	509326	17.024	ug/l	98
18) Methyl Acetate	4.33	43	199075	28.169	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	681090	23.024	ug/l	99
20) Methylene Chloride	4.55	84	256866	22.395	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	244408	21.374	ug/l	98
22) Diisopropyl ether	5.96	45	697343	22.819	ug/l	99
23) Vinyl Acetate	5.90	43	2414709	107.167	ug/l	100
24) 1,1-Dichloroethane	5.85	63	438588	22.352	ug/l	100
25) 2-Butanone	6.85	43	472726	115.305	ug/l	98
26) 2,2-Dichloropropane	6.82	77	228555	13.245	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	289129	22.665	ug/l	96
28) Bromochloromethane	7.19	49	182833	22.792	ug/l	98
29) Tetrahydrofuran	7.22	42	320881	121.730	ug/l	99
30) Chloroform	7.37	83	473810	23.140	ug/l	97
31) Cyclohexane	7.65	56	379791	19.965	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	397233	21.481	ug/l	98
36) 1,1-Dichloropropene	7.79	75	334219	19.746	ug/l	100
37) Ethyl Acetate	6.94	43	219104	22.529	ug/l	99
38) Carbon Tetrachloride	7.77	117	333915	18.813	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	377051	18.106	ug/l	100
40) Benzene	8.04	78	1025926	21.182	ug/l	100
41) Methacrylonitrile	7.18	41	111670	20.110	ug/l	93
42) 1,2-Dichloroethane	8.13	62	350167	21.414	ug/l	99
43) Isopropyl Acetate	8.17	43	345294	20.228	ug/l	99
44) Trichloroethene	8.83	130	310152	20.614	ug/l	98
45) 1,2-Dichloropropane	9.12	63	262324	21.812	ug/l	99
46) Dibromomethane	9.21	93	175567	21.606	ug/l	99
47) Bromodichloromethane	9.40	83	331659	20.359	ug/l	99
48) Methyl methacrylate	9.20	41	186174	21.491	ug/l	100
49) 1,4-Dioxane	9.20	88	59319	484.090	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1021861	113.115	ug/l	99
52) Toluene	10.16	92	649714	21.156	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	275720	16.196	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	346477	18.252	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	246465	21.979	ug/l	99
56) Ethyl methacrylate	10.43	69	278034	20.794	ug/l	98
57) 1,3-Dichloropropane	10.71	76	399706	21.799	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	544812	104.426	ug/l	100
59) 2-Hexanone	10.75	43	642535	106.892	ug/l	99
60) Dibromochloromethane	10.90	129	247944	19.644	ug/l	100
61) 1,2-Dibromoethane	11.01	107	246128	21.599	ug/l	99
64) Tetrachloroethene	10.63	164	316883	20.610	ug/l	99
65) Chlorobenzene	11.43	112	739932	21.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	262434	20.689	ug/l	98
67) Ethyl Benzene	11.51	91	1192319	20.599	ug/l	100
68) m/p-Xylenes	11.62	106	940984	41.594	ug/l	98
69) o-Xylene	11.95	106	470694	21.343	ug/l	98
70) Styrene	11.96	104	723215	20.910	ug/l	99
71) Bromoform	12.13	173	156910	17.815	ug/l	100
73) Isopropylbenzene	12.25	105	1225174	21.796	ug/l	100
74) N-amyl acetate	12.07	43	272829	21.867	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	286765	23.945	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	247173m	23.923	ug/l	
77) Bromobenzene	12.53	156	321481	21.613	ug/l	99
78) n-propylbenzene	12.59	91	1286760	21.097	ug/l	100
79) 2-Chlorotoluene	12.67	91	802920	21.894	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	992402	21.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38357	12.691	ug/l #	71
82) 4-Chlorotoluene	12.77	91	765620	20.908	ug/l	99
83) tert-Butylbenzene	12.99	119	922291	21.431	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	976514	21.289	ug/l	100
85) sec-Butylbenzene	13.17	105	1144187	20.501	ug/l	100
86) p-Isopropyltoluene	13.29	119	982431	20.064	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	528040	21.068	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	516437	20.975	ug/l	99
89) n-Butylbenzene	13.62	91	688263	18.500	ug/l	100
90) Hexachloroethane	13.88	117	143978	17.758	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	542480	22.140	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39055	21.074	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	237919	17.791	ug/l	99
94) Hexachlorobutadiene	15.01	225	165459	17.729	ug/l	99
95) Naphthalene	15.13	128	532176	19.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	250205	19.219	ug/l	98

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

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