

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056093.D
 Acq On : 7 Jun 2019 12:26
 Operator : JC/SP
 Sample : VN0608WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:27:06 AM

Quant Time: Jun 08 05:40:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	373768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	529175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205507	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	168933	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
35) Dibromofluoromethane	7.59	113	151837	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	10.09	98	578305	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.40	95	196585	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	80245	19.758	ug/l	97
3) Chloromethane	2.06	50	80275	19.813	ug/l	96
4) Vinyl Chloride	2.18	62	80812	19.884	ug/l	98
5) Bromomethane	2.52	94	48040	18.712	ug/l	100
6) Chloroethane	2.67	64	41329	17.539	ug/l	99
7) Trichlorofluoromethane	3.00	101	102032	19.665	ug/l	98
8) Diethyl Ether	3.40	74	40455	18.961	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66678	21.156	ug/l	99
10) Methyl Iodide	3.94	142	81030	16.178	ug/l	98
11) Tert butyl alcohol	4.82	59	63785	98.764	ug/l	98
12) 1,1-Dichloroethene	3.72	96	61408	19.571	ug/l	96
13) Acrolein	3.60	56	12998	69.783	ug/l	100
14) Allyl chloride	4.31	41	94354	19.044	ug/l	99
15) Acrylonitrile	4.99	53	174716	111.133	ug/l	100
16) Acetone	3.82	43	178785	100.727	ug/l	100
17) Carbon Disulfide	4.04	76	127606	16.985	ug/l	99
18) Methyl Acetate	4.33	43	80283	22.711	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	201699	20.167	ug/l	99
20) Methylene Chloride	4.54	84	73248	20.030	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	66117	19.666	ug/l	96
22) Diisopropyl ether	5.95	45	207012	20.212	ug/l	99
23) Vinyl Acetate	5.90	43	843354	104.562	ug/l	99
24) 1,1-Dichloroethane	5.84	63	119394	20.209	ug/l	100
25) 2-Butanone	6.84	43	245119	109.301	ug/l	99
26) 2,2-Dichloropropane	6.82	77	83877	18.194	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	78816	19.944	ug/l	97
28) Bromochloromethane	7.19	49	35192	12.596	ug/l	99
29) Tetrahydrofuran	7.22	42	156003	112.537	ug/l	100
30) Chloroform	7.37	83	119931	20.179	ug/l	100
31) Cyclohexane	7.65	56	117131	19.890	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	96151	19.374	ug/l	100
36) 1,1-Dichloropropene	7.79	75	89219	19.608	ug/l	99
37) Ethyl Acetate	6.93	43	89941	22.216	ug/l	100
38) Carbon Tetrachloride	7.77	117	82150	19.583	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	116948	20.632	ug/l	99
40) Benzene	8.04	78	281864	20.396	ug/l	100
41) Methacrylonitrile	7.17	41	40083	21.519	ug/l	93
42) 1,2-Dichloroethane	8.12	62	90432	20.343	ug/l	100
43) Isopropyl Acetate	8.17	43	139043	21.194	ug/l #	91
44) Trichloroethene	8.83	130	79205	19.945	ug/l	98
45) 1,2-Dichloropropane	9.12	63	74096	20.932	ug/l	100
46) Dibromomethane	9.21	93	48219	20.831	ug/l	99
47) Bromodichloromethane	9.40	83	83737	19.959	ug/l	99
48) Methyl methacrylate	9.20	41	70578	21.990	ug/l	98
49) 1,4-Dioxane	9.20	88	29750	429.345	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	462308	112.686	ug/l	99
52) Toluene	10.16	92	179023	20.818	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	85430	18.933	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	102864	20.398	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	70927	20.821	ug/l	98
56) Ethyl methacrylate	10.43	69	107459	21.623	ug/l	98
57) 1,3-Dichloropropane	10.71	76	117926	21.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	144534	83.864	ug/l	100
59) 2-Hexanone	10.75	43	332224	111.728	ug/l	100
60) Dibromochloromethane	10.90	129	68295	19.739	ug/l	100
61) 1,2-Dibromoethane	11.00	107	73868	21.212	ug/l	98
64) Tetrachloroethene	10.63	164	78225	19.003	ug/l	98
65) Chlorobenzene	11.43	112	193240	20.417	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	67291	20.591	ug/l	100
67) Ethyl Benzene	11.51	91	340401	20.683	ug/l	99
68) m/p-Xylenes	11.62	106	257934	41.027	ug/l	99
69) o-Xylene	11.95	106	125560	20.303	ug/l	99
70) Styrene	11.96	104	205615	20.926	ug/l	99
71) Bromoform	12.13	173	44447	18.053	ug/l #	99
73) Isopropylbenzene	12.25	105	334840	21.478	ug/l	100
74) N-amyl acetate	12.07	43	119783	21.866	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	100118	20.986	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	84981m	22.473	ug/l	
77) Bromobenzene	12.52	156	88006	20.002	ug/l	97
78) n-propylbenzene	12.59	91	362893	20.873	ug/l	100
79) 2-Chlorotoluene	12.67	91	216765	21.138	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	275669	19.951	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21066	18.552	ug/l #	82
82) 4-Chlorotoluene	12.77	91	210858	20.730	ug/l	100
83) tert-Butylbenzene	12.99	119	243197	21.108	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	269548	20.571	ug/l	99
85) sec-Butylbenzene	13.17	105	318683	20.698	ug/l	100
86) p-Isopropyltoluene	13.29	119	292488	21.226	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	140251	20.596	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	134571	20.543	ug/l	99
89) n-Butylbenzene	13.61	91	218945	21.449	ug/l	99
90) Hexachloroethane	13.87	117	38661	18.604	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	139879	20.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14341	21.017	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	68486	20.803	ug/l	99
94) Hexachlorobutadiene	15.01	225	54697	22.030	ug/l	98
95) Naphthalene	15.13	128	189300	21.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	76394	21.617	ug/l	100

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

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