

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060360.D
 Acq On : 5 Mar 2020 12:21
 Operator : JC/MD
 Sample : VN0305WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:13 AM

Quant Time: Mar 06 01:01:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143185	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	121350	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
35) Dibromofluoromethane	7.56	113	84296	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
50) Toluene-d8	10.08	98	354729	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
62) 4-Bromofluorobenzene	12.40	95	132805	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	32249	17.621	ug/l	98
3) Chloromethane	2.03	50	57964	18.191	ug/l	100
4) Vinyl Chloride	2.16	62	48270	17.664	ug/l	98
5) Bromomethane	2.55	94	18262	14.916	ug/l	99
6) Chloroethane	2.68	64	26335	17.787	ug/l	94
7) Trichlorofluoromethane	3.00	101	62500	17.901	ug/l	97
8) Diethyl Ether	3.38	74	23592	17.897	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	36908	18.679	ug/l	99
10) Methyl Iodide	3.93	142	32524	18.035	ug/l	99
11) Tert butyl alcohol	4.73	59	38468	101.154	ug/l	98
12) 1,1-Dichloroethene	3.71	96	35997	18.722	ug/l	100
13) Acrolein	3.57	56	33108	93.321	ug/l	100
14) Allyl chloride	4.29	41	67000	18.948	ug/l	98
15) Acrylonitrile	4.94	53	98647	98.413	ug/l	99
16) Acetone	3.78	43	82580	99.848	ug/l	99
17) Carbon Disulfide	4.03	76	91824	17.586	ug/l	99
18) Methyl Acetate	4.28	43	52779	19.123	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	134681	19.343	ug/l	98
20) Methylene Chloride	4.52	84	41805	18.405	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	38038	18.190	ug/l	98
22) Diisopropyl ether	5.91	45	144088	20.117	ug/l	99
23) Vinyl Acetate	5.86	43	565417	99.345	ug/l	99
24) 1,1-Dichloroethane	5.82	63	79381	19.579	ug/l	99
25) 2-Butanone	6.80	43	137355	102.819	ug/l	99
26) 2,2-Dichloropropane	6.79	77	72240	19.572	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47818	18.156	ug/l	99
28) Bromochloromethane	7.17	49	29717	17.852	ug/l	98
29) Tetrahydrofuran	7.18	42	92583	99.664	ug/l	98
30) Chloroform	7.34	83	78533	19.458	ug/l	97
31) Cyclohexane	7.63	56	71026	19.717	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	70275	19.652	ug/l	99
36) 1,1-Dichloropropene	7.77	75	58238	18.685	ug/l	99
37) Ethyl Acetate	6.89	43	59014	19.996	ug/l	99
38) Carbon Tetrachloride	7.75	117	56842	18.731	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	67274	18.307	ug/l	98
40) Benzene	8.02	78	173678	19.145	ug/l	99
41) Methacrylonitrile	7.15	41	29058m	21.324	ug/l	
42) 1,2-Dichloroethane	8.10	62	64123	19.588	ug/l	100
43) Isopropyl Acetate	8.14	43	101710	19.686	ug/l	100
44) Trichloroethene	8.82	130	47888	18.954	ug/l	98
45) 1,2-Dichloropropane	9.10	63	48236	20.337	ug/l	100
46) Dibromomethane	9.19	93	29317	19.050	ug/l	98
47) Bromodichloromethane	9.39	83	62707	20.034	ug/l	98
48) Methyl methacrylate	9.18	41	44494	18.885	ug/l	97
49) 1,4-Dioxane	9.18	88	13458	406.190	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	295722	100.951	ug/l	99
52) Toluene	10.14	92	107229	18.817	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	71785	18.717	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	76842	19.335	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	43599	19.026	ug/l	99
56) Ethyl methacrylate	10.42	69	64737	19.664	ug/l	98
57) 1,3-Dichloropropane	10.70	76	74450	19.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	155064	90.056	ug/l	100
59) 2-Hexanone	10.74	43	212100	98.614	ug/l	100
60) Dibromochloromethane	10.89	129	45886	19.690	ug/l	98
61) 1,2-Dibromoethane	10.99	107	43643	19.537	ug/l	97
64) Tetrachloroethene	10.62	164	49897	20.396	ug/l	99
65) Chlorobenzene	11.43	112	112765	18.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	43380	19.468	ug/l	98
67) Ethyl Benzene	11.50	91	208537	19.001	ug/l	99
68) m/p-Xylenes	11.62	106	157325	37.994	ug/l	100
69) o-Xylene	11.94	106	76166	19.289	ug/l	100
70) Styrene	11.96	104	120655	18.585	ug/l	99
71) Bromoform	12.12	173	31473	19.598	ug/l #	100
73) Isopropylbenzene	12.25	105	206529	19.461	ug/l	99
74) N-amyl acetate	12.06	43	88720	19.131	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57568	19.956	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	56129m	17.867	ug/l	
77) Bromobenzene	12.52	156	49440	19.005	ug/l	100
78) n-propylbenzene	12.59	91	238199	19.148	ug/l	99
79) 2-Chlorotoluene	12.67	91	139113	19.024	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	171285	19.169	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22137	19.452	ug/l #	86
82) 4-Chlorotoluene	12.77	91	144384	18.741	ug/l	99
83) tert-Butylbenzene	12.99	119	149446	19.318	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	172286	19.103	ug/l	100
85) sec-Butylbenzene	13.17	105	198484	19.159	ug/l	100
86) p-Isopropyltoluene	13.28	119	178097	18.574	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	88157	19.606	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87196	19.407	ug/l	99
89) n-Butylbenzene	13.61	91	160250	18.206	ug/l	99
90) Hexachloroethane	13.87	117	24888	17.932	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	85292	18.711	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12383	18.955	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	54002	18.699	ug/l	100
94) Hexachlorobutadiene	15.01	225	27554	20.356	ug/l	99
95) Naphthalene	15.13	128	155290	18.028	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51614	18.808	ug/l	99

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

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