

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055847.D
 Acq On : 28 May 2019 12:51
 Operator : JC/SP
 Sample : VN0528WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:09:48 AM

Quant Time: May 29 10:20:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	361043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	464002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192655	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	190300	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.59	113	168323	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.09	98	641774	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	209452	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	45066	18.547	ug/l 100
3) Chloromethane	2.06	50	62619	18.393	ug/l 100
4) Vinyl Chloride	2.18	62	69086	19.026	ug/l 100
5) Bromomethane	2.54	94	49593	21.831	ug/l 99
6) Chloroethane	2.69	64	44441	20.328	ug/l 96
7) Trichlorofluoromethane	3.01	101	92797	19.493	ug/l 100
8) Diethyl Ether	3.40	74	42183	19.770	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58953	19.838	ug/l 99
10) Methyl Iodide	3.94	142	89353	20.566	ug/l 98
11) Tert butyl alcohol	4.81	59	68862	96.661	ug/l 98
12) 1,1-Dichloroethene	3.72	96	60257	19.624	ug/l 96
13) Acrolein	3.60	56	45794	89.773	ug/l 96
14) Allyl chloride	4.31	41	98157	18.647	ug/l 99
15) Acrylonitrile	4.99	53	167697	102.513	ug/l 99
16) Acetone	3.82	43	143253	87.403	ug/l 99
17) Carbon Disulfide	4.04	76	150589	17.262	ug/l 98
18) Methyl Acetate	4.33	43	72903	21.150	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	203021	19.825	ug/l 100
20) Methylene Chloride	4.54	84	70524	19.869	ug/l 97
21) trans-1,2-Dichloroethene	5.03	96	64539	19.564	ug/l 97
22) Diisopropyl ether	5.95	45	202187	19.749	ug/l 95
23) Vinyl Acetate	5.90	43	853399	97.221	ug/l 100
24) 1,1-Dichloroethane	5.84	63	115058	19.302	ug/l 98
25) 2-Butanone	6.84	43	221969	96.973	ug/l 100
26) 2,2-Dichloropropane	6.82	77	88898	17.232	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	76645	19.915	ug/l 98
28) Bromochloromethane	7.19	49	57678	20.323	ug/l 97
29) Tetrahydrofuran	7.22	42	144844	99.923	ug/l 99
30) Chloroform	7.37	83	119122	20.038	ug/l 98
31) Cyclohexane	7.65	56	107799	19.262	ug/l 93
32) 1,1,1-Trichloroethane	7.57	97	103528	19.516	ug/l 99
36) 1,1-Dichloropropene	7.79	75	84298	18.584	ug/l 98
37) Ethyl Acetate	6.93	43	91123	20.785	ug/l 98
38) Carbon Tetrachloride	7.77	117	93311	19.749	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106927	19.036	ug/l	99
40) Benzene	8.04	78	274604	20.087	ug/l	100
41) Methacrylonitrile	7.18	41	41191	18.598	ug/l	97
42) 1,2-Dichloroethane	8.12	62	90237	20.201	ug/l	99
43) Isopropyl Acetate	8.17	43	143192	19.440	ug/l #	91
44) Trichloroethene	8.83	130	76882	20.173	ug/l	98
45) 1,2-Dichloropropane	9.12	63	70992	19.932	ug/l	98
46) Dibromomethane	9.21	93	47585	20.372	ug/l	96
47) Bromodichloromethane	9.40	83	92315	19.274	ug/l	100
48) Methyl methacrylate	9.20	41	68199	20.089	ug/l	98
49) 1,4-Dioxane	9.21	88	29031	411.517	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	443302	101.901	ug/l	100
52) Toluene	10.16	92	174372	20.281	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	95103	18.601	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	107664	19.009	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70026	20.330	ug/l	99
56) Ethyl methacrylate	10.43	69	105077	19.739	ug/l	99
57) 1,3-Dichloropropane	10.71	76	113204	20.220	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	186395	91.626	ug/l	100
59) 2-Hexanone	10.75	43	300583	97.397	ug/l	100
60) Dibromochloromethane	10.90	129	77382	19.285	ug/l	100
61) 1,2-Dibromoethane	11.00	107	74497	20.852	ug/l	99
64) Tetrachloroethene	10.63	164	80821	20.652	ug/l	98
65) Chlorobenzene	11.43	112	187366	20.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	72387	19.539	ug/l	99
67) Ethyl Benzene	11.51	91	326409	19.595	ug/l	98
68) m/p-Xylenes	11.62	106	248361	39.439	ug/l	99
69) o-Xylene	11.95	106	125241	20.046	ug/l	99
70) Styrene	11.96	104	198798	19.648	ug/l	100
71) Bromoform	12.13	173	58043	18.368	ug/l #	98
73) Isopropylbenzene	12.25	105	326748	22.369	ug/l	100
74) N-amyl acetate	12.07	43	111494	20.005	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	96991	22.045	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	79473m	22.207	ug/l	
77) Bromobenzene	12.53	156	86078	20.938	ug/l	96
78) n-propylbenzene	12.59	91	331448	19.795	ug/l	99
79) 2-Chlorotoluene	12.67	91	207569	21.564	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	263150	21.346	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25779	18.004	ug/l	96
82) 4-Chlorotoluene	12.77	91	194378	19.748	ug/l	100
83) tert-Butylbenzene	12.99	119	238148	22.201	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	261492	21.365	ug/l	99
85) sec-Butylbenzene	13.17	105	296655	21.529	ug/l	99
86) p-Isopropyltoluene	13.29	119	266292	19.904	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	129899	19.955	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	122036	19.718	ug/l	99
89) n-Butylbenzene	13.61	91	189609	18.496	ug/l	99
90) Hexachloroethane	13.87	117	48683	19.117	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	133150	20.502	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16053	18.806	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	57959	18.020	ug/l	99
94) Hexachlorobutadiene	15.01	225	49670	20.660	ug/l	98
95) Naphthalene	15.13	128	156969	17.613	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	64629	18.825	ug/l	99

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

