

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055171.D
 Acq On : 22 Apr 2019 10:12
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:34 PM

Quant Time: Apr 23 05:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	452705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	715216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	610048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230748	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	121857	18.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.68%	
35) Dibromofluoromethane	7.59	113	102721	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
50) Toluene-d8	10.09	98	365404	19.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.34%	
62) 4-Bromofluorobenzene	12.40	95	113354	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	127120	21.809	ug/l	100
3) Chloromethane	2.06	50	143495	20.091	ug/l	99
4) Vinyl Chloride	2.19	62	117608	20.550	ug/l	96
5) Bromomethane	2.56	94	62664	18.880	ug/l	97
6) Chloroethane	2.71	64	61756	19.956	ug/l	98
7) Trichlorofluoromethane	3.02	101	157716	20.250	ug/l	94
8) Diethyl Ether	3.41	74	56311	20.257	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	95405	19.631	ug/l	98
10) Methyl Iodide	3.96	142	142516	21.827	ug/l	99
11) Tert butyl alcohol	4.79	59	32712	93.057	ug/l	99
12) 1,1-Dichloroethene	3.74	96	91995	19.752	ug/l	98
13) Acrolein	3.61	56	52573	109.838	ug/l	99
14) Allyl chloride	4.33	41	180429	19.596	ug/l	98
15) Acrylonitrile	4.99	53	194884	99.335	ug/l	99
16) Acetone	3.82	43	233312	115.180	ug/l	97
17) Carbon Disulfide	4.06	76	262809	20.183	ug/l	98
18) Methyl Acetate	4.33	43	86909	15.546	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	254614	19.772	ug/l	99
20) Methylene Chloride	4.55	84	109003	18.718	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	99554	20.384	ug/l	99
22) Diisopropyl ether	5.95	45	366406	19.964	ug/l	97
23) Vinyl Acetate	5.90	43	1245958	101.023	ug/l	99
24) 1,1-Dichloroethane	5.85	63	197394	19.995	ug/l	99
25) 2-Butanone	6.84	43	270818	103.557	ug/l	98
26) 2,2-Dichloropropane	6.82	77	131298	19.654	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	112956	20.063	ug/l	99
28) Bromochloromethane	7.20	49	101978	20.265	ug/l	99
29) Tetrahydrofuran	7.21	42	159163	96.832	ug/l	99
30) Chloroform	7.37	83	185114	19.713	ug/l	98
31) Cyclohexane	7.66	56	191407	16.886	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	149630	19.834	ug/l	100
36) 1,1-Dichloropropene	7.79	75	137868	20.769	ug/l	99
37) Ethyl Acetate	6.93	43	100887	18.190	ug/l #	81
38) Carbon Tetrachloride	7.78	117	127572	19.234	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	156696	19.786	ug/l	98
40) Benzene	8.04	78	421823	20.585	ug/l	99
41) Methacrylonitrile	7.17	41	52242	19.106	ug/l #	91
42) 1,2-Dichloroethane	8.12	62	142385	19.917	ug/l	99
43) Isopropyl Acetate	8.17	43	173923	20.048	ug/l #	87
44) Trichloroethene	8.84	130	103864	20.053	ug/l	99
45) 1,2-Dichloropropane	9.12	63	115768	20.014	ug/l	99
46) Dibromomethane	9.21	93	66269	20.013	ug/l	99
47) Bromodichloromethane	9.40	83	135955	20.510	ug/l	99
48) Methyl methacrylate	9.20	41	77868	18.504	ug/l	95
49) 1,4-Dioxane	9.20	88	18462	379.898	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	482691	96.692	ug/l	100
52) Toluene	10.16	92	243838	20.298	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	119453	19.636	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	151617	20.084	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	89732	20.260	ug/l	97
56) Ethyl methacrylate	10.43	69	108059	19.586	ug/l	100
57) 1,3-Dichloropropane	10.71	76	157056	20.382	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	170098	95.624	ug/l	99
59) 2-Hexanone	10.75	43	320665	101.695	ug/l	100
60) Dibromochloromethane	10.90	129	93273	20.446	ug/l	98
61) 1,2-Dibromoethane	11.00	107	82826	19.891	ug/l	99
64) Tetrachloroethene	10.63	164	100960	20.287	ug/l	97
65) Chlorobenzene	11.43	112	239503	19.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	94075	20.385	ug/l	99
67) Ethyl Benzene	11.51	91	443397	19.990	ug/l	100
68) m/p-Xylenes	11.62	106	323520	40.667	ug/l	99
69) o-Xylene	11.95	106	160338	20.309	ug/l	98
70) Styrene	11.96	104	250828	20.497	ug/l	98
71) Bromoform	12.13	173	55226	20.053	ug/l #	100
73) Isopropylbenzene	12.25	105	423032	19.097	ug/l	100
74) N-amyl acetate	12.07	43	112974	18.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	106095	18.098	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	82847m	19.158	ug/l	
77) Bromobenzene	12.53	156	98878	19.410	ug/l	98
78) n-propylbenzene	12.59	91	452877	19.570	ug/l	100
79) 2-Chlorotoluene	12.67	91	281400	19.258	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	337493	19.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22353	18.101	ug/l	94
82) 4-Chlorotoluene	12.77	91	261727	19.468	ug/l	100
83) tert-Butylbenzene	12.99	119	293859	19.016	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	324940	19.934	ug/l	100
85) sec-Butylbenzene	13.17	105	367935	18.828	ug/l	98
86) p-Isopropyltoluene	13.29	119	316735	19.673	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	152850	19.546	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	144678	19.002	ug/l	99
89) n-Butylbenzene	13.61	91	228461	19.144	ug/l	97
90) Hexachloroethane	13.87	117	53676	18.798	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	155341	19.340	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12921	18.440	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54383	19.179	ug/l	98
94) Hexachlorobutadiene	15.01	225	52443	18.243	ug/l	94
95) Naphthalene	15.13	128	111557	18.624	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57346	19.439	ug/l	98

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

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