

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055320.D
 Acq On : 1 May 2019 11:20
 Operator : JC/SP
 Sample : VN0501WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 9:34:06 AM

Quant Time: May 02 08:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	371817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	611609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	252801	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.59	113	201787	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.09	98	739421	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	239269	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	91491	20.083	ug/l	99
3) Chloromethane	2.06	50	109173	19.354	ug/l	96
4) Vinyl Chloride	2.19	62	85861	18.883	ug/l	99
5) Bromomethane	2.56	94	47889	19.883	ug/l	93
6) Chloroethane	2.70	64	45863	18.619	ug/l	97
7) Trichlorofluoromethane	3.02	101	125680	19.438	ug/l	94
8) Diethyl Ether	3.41	74	45232	19.995	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	76219	19.796	ug/l	99
10) Methyl Iodide	3.95	142	106282	19.614	ug/l	99
11) Tert butyl alcohol	4.79	59	31329	112.496	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	71438	19.450	ug/l	98
13) Acrolein	3.62	56	20769	95.494	ug/l	98
14) Allyl chloride	4.33	41	147819	19.432	ug/l	99
15) Acrylonitrile	4.99	53	166604	106.432	ug/l	98
16) Acetone	3.82	43	152971	100.929	ug/l	99
17) Carbon Disulfide	4.06	76	176544	18.418	ug/l	99
18) Methyl Acetate	4.33	43	85166	22.497	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	214657	20.789	ug/l	98
20) Methylene Chloride	4.55	84	89184	19.278	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	75653	19.449	ug/l	98
22) Diisopropyl ether	5.95	45	306783	20.297	ug/l	93
23) Vinyl Acetate	5.90	43	1045832	105.576	ug/l	100
24) 1,1-Dichloroethane	5.85	63	163996	20.364	ug/l	99
25) 2-Butanone	6.84	43	206732	106.657	ug/l	99
26) 2,2-Dichloropropane	6.82	77	111533	20.056	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	90176	20.385	ug/l	100
28) Bromochloromethane	7.20	49	86659	21.348	ug/l	97
29) Tetrahydrofuran	7.21	42	135959	109.544	ug/l	99
30) Chloroform	7.37	83	154322	20.215	ug/l	99
31) Cyclohexane	7.65	56	149285	19.511	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	122977	19.849	ug/l	99
36) 1,1-Dichloropropene	7.79	75	108154	18.462	ug/l	98
37) Ethyl Acetate	6.93	43	85936	19.140	ug/l	97
38) Carbon Tetrachloride	7.77	117	100169	17.725	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	115754	18.584	ug/l	96
40) Benzene	8.04	78	335361	19.419	ug/l	98
41) Methacrylonitrile	7.18	41	47815	20.126	ug/l	94
42) 1,2-Dichloroethane	8.13	62	122788	20.074	ug/l	99
43) Isopropyl Acetate	8.16	43	151515	20.999	ug/l	99
44) Trichloroethene	8.84	130	82849	18.818	ug/l	99
45) 1,2-Dichloropropane	9.12	63	98989	19.874	ug/l	99
46) Dibromomethane	9.21	93	54153	19.890	ug/l	98
47) Bromodichloromethane	9.40	83	114953	19.681	ug/l	99
48) Methyl methacrylate	9.20	41	68388	19.280	ug/l	96
49) 1,4-Dioxane	9.20	88	17016	464.055	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	425418	104.720	ug/l	98
52) Toluene	10.16	92	198971	20.080	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	102550	20.225	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	125396	19.836	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	75797	20.599	ug/l	97
56) Ethyl methacrylate	10.43	69	93686	20.686	ug/l	100
57) 1,3-Dichloropropane	10.71	76	128400	19.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	123666	96.022	ug/l	100
59) 2-Hexanone	10.75	43	274330	107.927	ug/l	98
60) Dibromochloromethane	10.90	129	77952	20.728	ug/l	100
61) 1,2-Dibromoethane	11.00	107	70111	20.615	ug/l	100
64) Tetrachloroethene	10.63	164	79402	18.272	ug/l	99
65) Chlorobenzene	11.43	112	199549	19.207	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	76956	18.917	ug/l	100
67) Ethyl Benzene	11.51	91	365707	19.493	ug/l	99
68) m/p-Xylenes	11.62	106	266880	39.852	ug/l	99
69) o-Xylene	11.95	106	128949	19.427	ug/l	98
70) Styrene	11.96	104	214461	21.043	ug/l	99
71) Bromoform	12.13	173	47042	20.839	ug/l #	99
73) Isopropylbenzene	12.25	105	355563	20.022	ug/l	99
74) N-amyl acetate	12.07	43	103100	19.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	91756	20.861	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	79218m	19.361	ug/l	
77) Bromobenzene	12.53	156	84129	20.321	ug/l	99
78) n-propylbenzene	12.59	91	384956	18.381	ug/l	100
79) 2-Chlorotoluene	12.67	91	245309	20.637	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	290783	18.192	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20211	18.786	ug/l	92
82) 4-Chlorotoluene	12.77	91	224570	18.442	ug/l	100
83) tert-Butylbenzene	12.99	119	247150	20.105	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	275011	19.238	ug/l	100
85) sec-Butylbenzene	13.17	105	319128	18.369	ug/l	100
86) p-Isopropyltoluene	13.29	119	271085	18.985	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	132330	19.396	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	126247	19.650	ug/l	98
89) n-Butylbenzene	13.61	91	192204	18.943	ug/l	100
90) Hexachloroethane	13.87	117	45076	18.959	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	129937	19.216	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11961	22.300	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38957	16.957	ug/l	100
94) Hexachlorobutadiene	15.01	225	47680	21.858	ug/l	98
95) Naphthalene	15.13	128	80730	16.626	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41853	17.722	ug/l	99

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

