

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055285.D
 Acq On : 29 Apr 2019 11:07
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:58:57 AM

Quant Time: Apr 30 03:57:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 03:41:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	414774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	660851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204362	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	111718	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
35) Dibromofluoromethane	7.59	113	88352	19.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.80%	
50) Toluene-d8	10.09	98	321307	19.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.06%	
62) 4-Bromofluorobenzene	12.40	95	98859	19.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	105251	20.000	ug/l	97
3) Chloromethane	2.06	50	126562	19.641	ug/l	99
4) Vinyl Chloride	2.19	62	99185	19.225	ug/l	99
5) Bromomethane	2.56	94	53417	17.737	ug/l	99
6) Chloroethane	2.70	64	52420	19.123	ug/l	99
7) Trichlorofluoromethane	3.02	101	140578	19.862	ug/l	96
8) Diethyl Ether	3.42	74	49111	19.455	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	82755	18.741	ug/l	98
10) Methyl Iodide	3.96	142	121628	19.776	ug/l	99
11) Tert butyl alcohol	4.79	59	31684	97.580	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	78243	18.584	ug/l	98
13) Acrolein	3.61	56	24646	61.070	ug/l	98
14) Allyl chloride	4.33	41	165396	19.672	ug/l	99
15) Acrylonitrile	4.99	53	176311	98.826	ug/l	99
16) Acetone	3.82	43	164688	92.638	ug/l	98
17) Carbon Disulfide	4.06	76	208168	17.850	ug/l	97
18) Methyl Acetate	4.33	43	86544	17.083	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	231382	19.674	ug/l	100
20) Methylene Chloride	4.55	84	97781	18.476	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	83711	18.952	ug/l	94
22) Diisopropyl ether	5.95	45	338080	20.109	ug/l	96
23) Vinyl Acetate	5.90	43	1132512	100.923	ug/l	100
24) 1,1-Dichloroethane	5.85	63	174489	19.414	ug/l	99
25) 2-Butanone	6.84	43	218338	92.963	ug/l	99
26) 2,2-Dichloropropane	6.83	77	119338	19.513	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	97894	19.141	ug/l	99
28) Bromochloromethane	7.19	49	91289	19.911	ug/l	98
29) Tetrahydrofuran	7.21	42	140046	95.853	ug/l	99
30) Chloroform	7.37	83	167722	19.595	ug/l	99
31) Cyclohexane	7.65	56	163166	15.859	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	134637	19.616	ug/l	99
36) 1,1-Dichloropropene	7.79	75	122460	20.233	ug/l	98
37) Ethyl Acetate	6.93	43	93620	19.155	ug/l	98
38) Carbon Tetrachloride	7.77	117	114446	20.044	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	131941	18.304	ug/l	98
40) Benzene	8.04	78	365253	19.434	ug/l	99
41) Methacrylonitrile	7.18	41	51546	20.064	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	129759	19.783	ug/l	100
43) Isopropyl Acetate	8.17	43	156223	19.638	ug/l	98
44) Trichloroethene	8.83	130	91541	19.315	ug/l	96
45) 1,2-Dichloropropane	9.12	63	104215	19.590	ug/l	99
46) Dibromomethane	9.21	93	58877	19.439	ug/l	100
47) Bromodichloromethane	9.40	83	124076	20.370	ug/l	97
48) Methyl methacrylate	9.20	41	73257	18.879	ug/l	97
49) 1,4-Dioxane	9.20	88	16949	387.209	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	443353	96.877	ug/l	99
52) Toluene	10.16	92	214606	19.575	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	109433	19.584	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	138102	19.917	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	80316	19.756	ug/l	97
56) Ethyl methacrylate	10.43	69	98158	19.440	ug/l	99
57) 1,3-Dichloropropane	10.71	76	139418	19.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	133208	85.478	ug/l	100
59) 2-Hexanone	10.75	43	277588	97.172	ug/l	99
60) Dibromochloromethane	10.90	129	81284	19.385	ug/l	100
61) 1,2-Dibromoethane	11.00	107	72793	19.126	ug/l	98
64) Tetrachloroethene	10.63	164	89532	19.518	ug/l	99
65) Chlorobenzene	11.43	112	216574	18.888	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82886	19.414	ug/l	99
67) Ethyl Benzene	11.51	91	395800	19.365	ug/l	98
68) m/p-Xylenes	11.62	106	284454	38.930	ug/l	99
69) o-Xylene	11.95	106	142272	19.600	ug/l	99
70) Styrene	11.96	104	225605	20.097	ug/l	100
71) Bromoform	12.13	173	47869	18.964	ug/l #	95
73) Isopropylbenzene	12.25	105	377805	19.192	ug/l	99
74) N-amyl acetate	12.07	43	103703	19.703	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94966	18.289	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	87496m	20.856	ug/l	
77) Bromobenzene	12.53	156	86242	19.162	ug/l	99
78) n-propylbenzene	12.59	91	403951	19.676	ug/l	100
79) 2-Chlorotoluene	12.67	91	252074	19.446	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	306068	20.000	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19992	18.246	ug/l	86
82) 4-Chlorotoluene	12.77	91	234928	19.780	ug/l	99
83) tert-Butylbenzene	12.99	119	261709	19.105	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	288340	19.992	ug/l	99
85) sec-Butylbenzene	13.17	105	335464	19.358	ug/l	100
86) p-Isopropyltoluene	13.29	119	280928	19.706	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	136150	19.815	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	126034	18.812	ug/l	99
89) n-Butylbenzene	13.61	91	198814	18.935	ug/l	98
90) Hexachloroethane	13.87	117	47675	18.751	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	136974	19.438	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11661	18.839	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41181	16.808	ug/l	96
94) Hexachlorobutadiene	15.01	225	46340	18.195	ug/l	99
95) Naphthalene	15.13	128	86113	16.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43379	17.050	ug/l	97

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

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