

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050377.D
 Acq On : 6 Aug 2018 12:00
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:58:01 AM

Quant Time: Aug 06 12:51:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 06 12:50:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	647297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	963495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	468647	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	180213	19.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.90%	
35) Dibromofluoromethane	7.59	113	159008	20.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.42%	
50) Toluene-d8	10.09	98	592828	20.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.00%	
62) 4-Bromofluorobenzene	12.40	95	195581	20.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152755	16.42	ug/l	100
3) Chloromethane	2.06	50	185701	18.37	ug/l	99
4) Vinyl Chloride	2.18	62	194617	18.28	ug/l	99
5) Bromomethane	2.56	94	88855	13.57	ug/l	99
6) Chloroethane	2.70	64	119167	18.64	ug/l	98
7) Trichlorofluoromethane	3.01	101	247189	17.92	ug/l	100
8) Diethyl Ether	3.41	74	88749	19.30	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154687	18.65	ug/l	98
10) Methyl Iodide	3.95	142	52724	4.95	ug/l	98
11) Tert butyl alcohol	4.80	59	66419	99.95	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	141757	19.00	ug/l	97
13) Acrolein	3.61	56	93037	174.26	ug/l	98
14) Allyl chloride	4.32	41	224996	19.45	ug/l	98
15) Acrylonitrile	5.00	53	291398	100.51	ug/l	100
16) Acetone	3.82	43	255057	108.29	ug/l	98
17) Carbon Disulfide	4.05	76	440976	19.29	ug/l	100
18) Methyl Acetate	4.33	43	133986	12.43	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	404519	20.35	ug/l	100
20) Methylene Chloride	4.55	84	171260	18.89	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	154511	19.55	ug/l	97
22) Diisopropyl ether	5.96	45	486548	21.21	ug/l	97
23) Vinyl Acetate	5.90	43	1695709	104.61	ug/l	100
24) 1,1-Dichloroethane	5.85	63	290030	19.34	ug/l	99
25) 2-Butanone	6.84	43	427740	124.17	ug/l	99
26) 2,2-Dichloropropane	6.83	77	237051	20.77	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	171050	20.10	ug/l	98
28) Bromochloromethane	7.20	49	137627	20.12	ug/l	100
29) Tetrahydrofuran	7.22	42	227591	102.24	ug/l	99
30) Chloroform	7.37	83	290046	18.95	ug/l	99
31) Cyclohexane	7.66	56	253157	17.58	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	247451	18.90	ug/l	99
36) 1,1-Dichloropropene	7.79	75	217911	20.07	ug/l	99
37) Ethyl Acetate	6.93	43	157676	20.83	ug/l	100
38) Carbon Tetrachloride	7.78	117	219911	19.09	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	231850	20.76	ug/l	99
40) Benzene	8.04	78	666763	20.19	ug/l	99
41) Methacrylonitrile	7.18	41	77241	21.76	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	210907	19.14	ug/l	100
43) Isopropyl Acetate	8.17	43	261171	14.26	ug/l	98
44) Trichloroethene	8.84	130	177612	20.01	ug/l	99
45) 1,2-Dichloropropane	9.12	63	175735	20.09	ug/l	97
46) Dibromomethane	9.21	93	107179	19.73	ug/l	98
47) Bromodichloromethane	9.41	83	220460	19.23	ug/l	98
48) Methyl methacrylate	9.20	41	133493	20.48	ug/l	99
49) 1,4-Dioxane	9.20	88	39457	444.82	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	974939	131.04	ug/l	100
52) Toluene	10.16	92	407599	20.90	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	220522	20.38	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	253538	20.50	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	155733	20.14	ug/l	99
56) Ethyl methacrylate	10.43	69	193590	21.19	ug/l	99
57) 1,3-Dichloropropane	10.71	76	256736	20.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	454633	106.90	ug/l	100
59) 2-Hexanone	10.75	43	666545	135.77	ug/l	100
60) Dibromochloromethane	10.90	129	166363	19.43	ug/l	98
61) 1,2-Dibromoethane	11.01	107	154918	20.19	ug/l	100
64) Tetrachloroethene	10.63	164	173285	20.30	ug/l	100
65) Chlorobenzene	11.44	112	442813	19.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	163122	18.93	ug/l	99
67) Ethyl Benzene	11.51	91	734132	20.38	ug/l	100
68) m/p-Xylenes	11.62	106	582518	42.74	ug/l	100
69) o-Xylene	11.95	106	276615	21.29	ug/l	99
70) Styrene	11.97	104	452988	22.05	ug/l	100
71) Bromoform	12.13	173	119227	19.02	ug/l #	99
73) Isopropylbenzene	12.25	105	730969	20.11	ug/l	100
74) N-amyl acetate	12.07	43	226524	20.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	202753	18.24	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	164505m	18.89	ug/l	
77) Bromobenzene	12.53	156	192867	19.15	ug/l	100
78) n-propylbenzene	12.59	91	833503	20.52	ug/l	99
79) 2-Chlorotoluene	12.68	91	511991	20.33	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	612278	21.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46347	16.88	ug/l	98
82) 4-Chlorotoluene	12.77	91	514233	20.62	ug/l	99
83) tert-Butylbenzene	12.99	119	515963	20.68	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	628406	21.81	ug/l	99
85) sec-Butylbenzene	13.17	105	700883	21.02	ug/l	99
86) p-Isopropyltoluene	13.29	119	604115	21.51	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	341798	20.02	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	333265	20.02	ug/l	99
89) n-Butylbenzene	13.62	91	475882	20.60	ug/l	100
90) Hexachloroethane	13.88	117	93344	14.97	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	339673	19.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31468	17.61	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	155420	20.63	ug/l	97
94) Hexachlorobutadiene	15.01	225	99457	19.03	ug/l	99
95) Naphthalene	15.14	128	354348	20.81	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	155040	20.33	ug/l	100

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

