

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049627.D
 Acq On : 29 Jun 2018 11:45
 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

apatel
 7/2/2018 2:19:30 PM

Quant Time: Jun 30 00:30:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:18:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1376484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2069846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1834146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	953718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	375600	20.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.32%	
35) Dibromofluoromethane	7.59	113	326827	21.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.24%	
50) Toluene-d8	10.09	98	1230701	20.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.64%	
62) 4-Bromofluorobenzene	12.40	95	406228	19.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	327128	21.09	ug/l	94
3) Chloromethane	2.06	50	383430	19.79	ug/l	99
4) Vinyl Chloride	2.18	62	422961	20.33	ug/l	100
5) Bromomethane	2.56	94	213496	19.53	ug/l	98
6) Chloroethane	2.70	64	262734	19.95	ug/l	99
7) Trichlorofluoromethane	3.02	101	474074	19.94	ug/l	99
8) Diethyl Ether	3.41	74	186435	19.35	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	341304	19.96	ug/l	100
10) Methyl Iodide	3.95	142	404038	18.88	ug/l	99
11) Tert butyl alcohol	4.79	59	98616	94.54	ug/l	98
12) 1,1-Dichloroethene	3.73	96	312503	19.33	ug/l	99
13) Acrolein	3.61	56	96248	98.78	ug/l	96
14) Allyl chloride	4.32	41	456887	20.57	ug/l	100
15) Acrylonitrile	4.99	53	505604	93.85	ug/l	99
16) Acetone	3.82	43	382275	84.91	ug/l	99
17) Carbon Disulfide	4.05	76	885915	18.08	ug/l	98
18) Methyl Acetate	4.33	43	363344	13.26	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	805797	19.33	ug/l	99
20) Methylene Chloride	4.54	84	354727	18.95	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	321668	19.33	ug/l	97
22) Diisopropyl ether	5.95	45	1027823	20.46	ug/l	94
23) Vinyl Acetate	5.90	43	3158650	96.95	ug/l	100
24) 1,1-Dichloroethane	5.85	63	626539	19.79	ug/l	99
25) 2-Butanone	6.84	43	559203	92.67	ug/l	100
26) 2,2-Dichloropropane	6.82	77	519578	19.76	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	365495	19.66	ug/l	98
28) Bromochloromethane	7.19	49	274421	20.43	ug/l	100
29) Tetrahydrofuran	7.21	42	370572	96.35	ug/l	99
30) Chloroform	7.37	83	645869	20.02	ug/l	99
31) Cyclohexane	7.65	56	547554	17.57	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	547585	20.05	ug/l	99
36) 1,1-Dichloropropene	7.79	75	459126	19.72	ug/l	99
37) Ethyl Acetate	6.93	43	270077	19.88	ug/l	97
38) Carbon Tetrachloride	7.77	117	442639	19.54	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	486344	19.05	ug/l	98
40) Benzene	8.04	78	1418161	19.94	ug/l	100
41) Methacrylonitrile	7.19	41	169398m	23.36	ug/l	
42) 1,2-Dichloroethane	8.13	62	446344	19.67	ug/l	100
43) Isopropyl Acetate	8.17	43	523730	16.32	ug/l	99
44) Trichloroethene	8.84	130	419804	19.58	ug/l	99
45) 1,2-Dichloropropane	9.12	63	374281	20.37	ug/l	100
46) Dibromomethane	9.21	93	220595	19.85	ug/l	99
47) Bromodichloromethane	9.40	83	472061	19.95	ug/l	99
48) Methyl methacrylate	9.20	41	234517	19.43	ug/l	100
49) 1,4-Dioxane	9.20	88	61543	379.27	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1280299	96.14	ug/l	99
52) Toluene	10.16	92	861428	20.05	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	424575	18.74	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	517043	19.53	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	311620	19.48	ug/l	99
56) Ethyl methacrylate	10.43	69	355437	18.96	ug/l	99
57) 1,3-Dichloropropane	10.71	76	518702	20.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	794479	91.03	ug/l	100
59) 2-Hexanone	10.75	43	822794	93.44	ug/l	99
60) Dibromochloromethane	10.90	129	338653	19.59	ug/l	100
61) 1,2-Dibromoethane	11.01	107	293184	19.13	ug/l	99
64) Tetrachloroethene	10.63	164	487375	19.62	ug/l	98
65) Chlorobenzene	11.44	112	922871	19.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	344184	20.02	ug/l	99
67) Ethyl Benzene	11.51	91	1546680	19.56	ug/l	99
68) m/p-Xylenes	11.62	106	1225301	40.42	ug/l	100
69) o-Xylene	11.95	106	589009	20.30	ug/l	97
70) Styrene	11.97	104	949333	20.22	ug/l	100
71) Bromoform	12.13	173	216435	18.95	ug/l #	100
73) Isopropylbenzene	12.25	105	1530934	20.15	ug/l	99
74) N-amyl acetate	12.07	43	381588	18.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	336471	18.76	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	289381m	17.48	ug/l	
77) Bromobenzene	12.53	156	397493	19.24	ug/l	98
78) n-propylbenzene	12.59	91	1761485	20.23	ug/l	99
79) 2-Chlorotoluene	12.68	91	1083779	19.67	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1306837	20.70	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	80957	17.98	ug/l	95
82) 4-Chlorotoluene	12.77	91	1094202	19.75	ug/l	100
83) tert-Butylbenzene	12.99	119	1078099	19.88	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1328054	20.47	ug/l	100
85) sec-Butylbenzene	13.17	105	1461858	20.35	ug/l	100
86) p-Isopropyltoluene	13.29	119	1285565	20.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	705831	18.51	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	684343	17.98	ug/l	100
89) n-Butylbenzene	13.62	91	1002206	18.81	ug/l	99
90) Hexachloroethane	13.88	117	119827	18.33	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	690240	18.62	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53464	17.08	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	280719	16.45	ug/l	100
94) Hexachlorobutadiene	15.01	225	217462	18.37	ug/l	99
95) Naphthalene	15.14	128	539412	14.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	283321	16.13	ug/l	99

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

