

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101718\
 Data File : VN051900.D
 Acq On : 17 Oct 2018 9:46
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 3:29:15 PM

Quant Time: Oct 19 04:51:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 04:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	876480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1291574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1140306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	501138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	164028	20.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.38%	
35) Dibromofluoromethane	7.59	113	162731	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
50) Toluene-d8	10.09	98	586850	19.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.28%	
62) 4-Bromofluorobenzene	12.40	95	186221	18.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	104763	19.75	ug/l	98
3) Chloromethane	2.06	50	106332	20.52	ug/l	100
4) Vinyl Chloride	2.18	62	155342	19.85	ug/l	99
5) Bromomethane	2.57	94	138097	18.53	ug/l	100
6) Chloroethane	2.70	64	118446	20.85	ug/l	98
7) Trichlorofluoromethane	3.01	101	253449	21.01	ug/l	99
8) Diethyl Ether	3.41	74	73557	20.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143582	20.75	ug/l	98
10) Methyl Iodide	3.95	142	162557	19.24	ug/l	99
11) Tert butyl alcohol	4.79	59	46878	109.26	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	128988	20.45	ug/l	97
13) Acrolein	3.61	56	34792	97.73	ug/l	100
14) Allyl chloride	4.33	41	144494	21.82	ug/l	97
15) Acrylonitrile	4.99	53	183870	106.95	ug/l	97
16) Acetone	3.82	43	142214	98.84	ug/l	96
17) Carbon Disulfide	4.06	76	295386	18.78	ug/l	99
18) Methyl Acetate	4.33	43	90905	18.95	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	371969	20.46	ug/l	93
20) Methylene Chloride	4.55	84	149047	20.38	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	143611	19.81	ug/l	97
22) Diisopropyl ether	5.96	45	332791	20.90	ug/l	95
23) Vinyl Acetate	5.90	43	1142901	104.26	ug/l	100
24) 1,1-Dichloroethane	5.85	63	239947	20.81	ug/l	99
25) 2-Butanone	6.84	43	210849	102.54	ug/l	98
26) 2,2-Dichloropropane	6.83	77	228523	20.96	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	174384	20.70	ug/l	100
28) Bromochloromethane	7.20	49	96333	20.57	ug/l	98
29) Tetrahydrofuran	7.22	42	128741	102.50	ug/l	99
30) Chloroform	7.37	83	285914	20.73	ug/l	100
31) Cyclohexane	7.66	56	203452	16.23	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	261152	20.30	ug/l	99
36) 1,1-Dichloropropene	7.80	75	194989	19.45	ug/l	99
37) Ethyl Acetate	6.93	43	96980	22.04	ug/l	96
38) Carbon Tetrachloride	7.78	117	233119	19.75	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	245451	19.77	ug/l	98
40) Benzene	8.04	78	593967	20.28	ug/l	99
41) Methacrylonitrile	7.18	41	42825	18.82	ug/l #	67
42) 1,2-Dichloroethane	8.13	62	191558	20.42	ug/l	100
43) Isopropyl Acetate	8.17	43	185095	20.81	ug/l #	88
44) Trichloroethene	8.84	130	183904	20.01	ug/l	99
45) 1,2-Dichloropropane	9.12	63	137339	20.28	ug/l	98
46) Dibromomethane	9.21	93	104682	20.28	ug/l	99
47) Bromodichloromethane	9.40	83	212230	20.51	ug/l	99
48) Methyl methacrylate	9.20	41	81725	20.20	ug/l	96
49) 1,4-Dioxane	9.20	88	31282	406.99	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	494207	105.90	ug/l	100
52) Toluene	10.16	92	397130	20.27	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	195889	19.98	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	222981	20.40	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	147918	20.61	ug/l	98
56) Ethyl methacrylate	10.43	69	161096	20.07	ug/l	98
57) 1,3-Dichloropropane	10.71	76	227371	20.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	341592	100.47	ug/l	97
59) 2-Hexanone	10.75	43	317061	101.33	ug/l	99
60) Dibromochloromethane	10.90	129	165559	19.65	ug/l	100
61) 1,2-Dibromoethane	11.01	107	150323	19.97	ug/l	98
64) Tetrachloroethene	10.63	164	189550	20.71	ug/l	98
65) Chlorobenzene	11.43	112	454482	19.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	171107	20.16	ug/l	99
67) Ethyl Benzene	11.51	91	755009	20.22	ug/l	99
68) m/p-Xylenes	11.62	106	604072	40.28	ug/l	97
69) o-Xylene	11.95	106	296660	20.30	ug/l	96
70) Styrene	11.97	104	448359	19.94	ug/l	99
71) Bromoform	12.13	173	100185	18.96	ug/l #	98
73) Isopropylbenzene	12.25	105	804453	20.74	ug/l	99
74) N-amyl acetate	12.07	43	135727	20.35	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	166718	21.26	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	131223m	20.71	ug/l	
77) Bromobenzene	12.53	156	194761	19.73	ug/l	94
78) n-propylbenzene	12.59	91	836274	20.71	ug/l	99
79) 2-Chlorotoluene	12.67	91	501620	20.41	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	647794	20.66	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35383	21.02	ug/l	94
82) 4-Chlorotoluene	12.77	91	479628	20.32	ug/l	99
83) tert-Butylbenzene	12.99	119	604715	20.52	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	655444	21.26	ug/l	98
85) sec-Butylbenzene	13.17	105	776699	20.73	ug/l	99
86) p-Isopropyltoluene	13.29	119	681808	21.00	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	332816	20.00	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	319646	19.55	ug/l	98
89) n-Butylbenzene	13.62	91	491438	20.87	ug/l	100
90) Hexachloroethane	13.87	117	109932	20.24	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	327313	20.31	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23395	22.27	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125222	17.94	ug/l	98
94) Hexachlorobutadiene	15.01	225	105713	20.72	ug/l	98
95) Naphthalene	15.13	128	242126	17.44	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	133489	19.29	ug/l	99

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

