

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051961.D
 Acq On : 23 Oct 2018 13:34
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:15 AM

Quant Time: Oct 24 04:36:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1018863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1481460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1353717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	697358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	186630	20.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.14%	
35) Dibromofluoromethane	7.59	113	187673	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	
50) Toluene-d8	10.09	98	666511	19.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.02%	
62) 4-Bromofluorobenzene	12.40	95	220424	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123091	19.038	ug/l	100
3) Chloromethane	2.06	50	114485	19.665	ug/l	97
4) Vinyl Chloride	2.19	62	149261	19.128	ug/l	100
5) Bromomethane	2.58	94	139974	18.735	ug/l	96
6) Chloroethane	2.71	64	111946	19.323	ug/l	96
7) Trichlorofluoromethane	3.03	101	269273	19.366	ug/l	98
8) Diethyl Ether	3.42	74	81087	19.615	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	159839	19.190	ug/l	99
10) Methyl Iodide	3.96	142	233660	18.961	ug/l	99
11) Tert butyl alcohol	4.77	59	45388m	96.098	ug/l	
12) 1,1-Dichloroethene	3.74	96	145993	19.572	ug/l	96
13) Acrolein	3.61	56	23447	99.862	ug/l	99
14) Allyl chloride	4.33	41	150735	21.207	ug/l	97
15) Acrylonitrile	5.00	53	200861	104.142	ug/l	98
16) Acetone	3.82	43	142129	95.067	ug/l	100
17) Carbon Disulfide	4.06	76	320132	18.055	ug/l	98
18) Methyl Acetate	4.33	43	92148	18.267	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	401785	20.063	ug/l	94
20) Methylene Chloride	4.55	84	166377	18.970	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	161699	19.141	ug/l	98
22) Diisopropyl ether	5.95	45	358236	20.288	ug/l	97
23) Vinyl Acetate	5.90	43	1209497	98.457	ug/l	100
24) 1,1-Dichloroethane	5.86	63	262148	19.884	ug/l	99
25) 2-Butanone	6.84	43	221399	103.879	ug/l	99
26) 2,2-Dichloropropane	6.83	77	232333	19.261	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	194928	19.840	ug/l	98
28) Bromochloromethane	7.20	49	114988	21.640	ug/l	100
29) Tetrahydrofuran	7.21	42	137942	95.526	ug/l	97
30) Chloroform	7.38	83	316152	19.639	ug/l	99
31) Cyclohexane	7.66	56	220682	15.539	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	282592	19.197	ug/l	99
36) 1,1-Dichloropropene	7.80	75	214102	18.840	ug/l	99
37) Ethyl Acetate	6.93	43	104365	20.939	ug/l	100
38) Carbon Tetrachloride	7.78	117	243757	18.684	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	265654	19.139	ug/l	100
40) Benzene	8.05	78	668803	19.821	ug/l	98
41) Methacrylonitrile	7.17	41	48668	19.058	ug/l	94
42) 1,2-Dichloroethane	8.13	62	210537	19.461	ug/l	100
43) Isopropyl Acetate	8.17	43	188698	19.827	ug/l	98
44) Trichloroethene	8.84	130	207377	19.148	ug/l	99
45) 1,2-Dichloropropane	9.12	63	153291	20.083	ug/l	98
46) Dibromomethane	9.21	93	123647	20.096	ug/l	97
47) Bromodichloromethane	9.40	83	225625	19.417	ug/l	100
48) Methyl methacrylate	9.20	41	91244	19.835	ug/l	98
49) 1,4-Dioxane	9.20	88	33160	393.125	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	524693	100.227	ug/l	98
52) Toluene	10.16	92	447599	19.563	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	204693	19.226	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	238703	19.654	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	166145	19.653	ug/l	98
56) Ethyl methacrylate	10.43	69	180062	19.815	ug/l	98
57) 1,3-Dichloropropane	10.71	76	250453	19.515	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	491218	103.309	ug/l	97
59) 2-Hexanone	10.75	43	353490	100.498	ug/l	98
60) Dibromochloromethane	10.90	129	178384	18.829	ug/l	100
61) 1,2-Dibromoethane	11.01	107	174311	19.556	ug/l	99
64) Tetrachloroethene	10.63	164	194513	18.721	ug/l	99
65) Chlorobenzene	11.43	112	530761	19.419	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	187404	19.076	ug/l	99
67) Ethyl Benzene	11.51	91	855020	19.461	ug/l	100
68) m/p-Xylenes	11.62	106	681550	38.827	ug/l	98
69) o-Xylene	11.95	106	333623	19.543	ug/l	97
70) Styrene	11.96	104	533233	19.543	ug/l	99
71) Bromoform	12.13	173	106131	17.710	ug/l #	98
73) Isopropylbenzene	12.25	105	890148	20.127	ug/l	100
74) N-amyl acetate	12.07	43	173478	19.928	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	191754	20.983	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	160030m	22.534	ug/l	
77) Bromobenzene	12.53	156	240634	19.715	ug/l	97
78) n-propylbenzene	12.59	91	971622	20.366	ug/l	98
79) 2-Chlorotoluene	12.67	91	575384	20.710	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	728191	20.522	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	37287	19.203	ug/l	92
82) 4-Chlorotoluene	12.77	91	582205	20.240	ug/l	99
83) tert-Butylbenzene	12.99	119	666480	19.859	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	749893	20.488	ug/l	100
85) sec-Butylbenzene	13.17	105	883534	20.158	ug/l	99
86) p-Isopropyltoluene	13.29	119	799098	20.250	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	431815	19.182	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	426522	19.218	ug/l	97
89) n-Butylbenzene	13.62	91	628788	20.011	ug/l	99
90) Hexachloroethane	13.88	117	112135	19.074	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	432625	19.865	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28190	20.091	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	241975	18.810	ug/l	99
94) Hexachlorobutadiene	15.01	225	127274	19.255	ug/l	100
95) Naphthalene	15.13	128	562426	20.131	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	236304	19.218	ug/l	98

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

