

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051265.D
 Acq On : 17 Sep 2018 10:46
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:48 PM

Quant Time: Sep 18 05:38:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	550814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	801440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	695671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	265836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	31262	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	
35) Dibromofluoromethane	7.59	113	30770	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
50) Toluene-d8	10.09	98	102040	4.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.88%	
62) 4-Bromofluorobenzene	12.40	95	28895	3.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	24133	4.46	ug/l	99
3) Chloromethane	2.06	50	35011	4.60	ug/l	98
4) Vinyl Chloride	2.18	62	33584	4.58	ug/l	97
5) Bromomethane	2.56	94	21235	4.32	ug/l	95
6) Chloroethane	2.70	64	20331	4.50	ug/l	95
7) Trichlorofluoromethane	3.01	101	46138	4.72	ug/l	100
8) Diethyl Ether	3.41	74	14726	4.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	29723	4.74	ug/l	100
10) Methyl Iodide	3.96	142	18851	3.46	ug/l	98
11) Tert butyl alcohol	4.79	59	7712m	16.96	ug/l	
12) 1,1-Dichloroethene	3.73	96	25609	4.36	ug/l	98
13) Acrolein	3.61	56	7949	14.92	ug/l	99
14) Allyl chloride	4.33	41	36162	4.05	ug/l	99
15) Acrylonitrile	5.00	53	39685	19.34	ug/l	98
16) Acetone	3.82	43	45031	26.62	ug/l	98
17) Carbon Disulfide	4.05	76	79372	4.09	ug/l	99
18) Methyl Acetate	4.33	43	22033	4.52	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	56903	3.70	ug/l	97
20) Methylene Chloride	4.55	84	31486	4.64	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	26917	4.21	ug/l	89
22) Diisopropyl ether	5.96	45	70317	3.98	ug/l	98
23) Vinyl Acetate	5.90	43	214612	18.02	ug/l	100
24) 1,1-Dichloroethane	5.85	63	51709	4.58	ug/l	100
25) 2-Butanone	6.84	43	48912	20.74	ug/l	98
26) 2,2-Dichloropropane	6.82	77	40932	4.43	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	29063	4.16	ug/l	96
28) Bromochloromethane	7.20	49	23181	4.69	ug/l	99
29) Tetrahydrofuran	7.22	42	25543	17.32	ug/l	98
30) Chloroform	7.37	83	53058	4.73	ug/l	99
31) Cyclohexane	7.66	56	44564	3.91	ug/l #	71
32) 1,1,1-Trichloroethane	7.57	97	43209	4.50	ug/l	97
36) 1,1-Dichloropropene	7.79	75	36301	4.09	ug/l	99
37) Ethyl Acetate	6.94	43	18913	3.75	ug/l #	79
38) Carbon Tetrachloride	7.78	117	41719	4.73	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	37023	3.79	ug/l	94
40) Benzene	8.04	78	118129	4.42	ug/l	99
41) Methacrylonitrile	7.17	41	10308	3.88	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	34772	4.46	ug/l	99
43) Isopropyl Acetate	8.17	43	36582	4.12	ug/l	95
44) Trichloroethene	8.84	130	31630	4.32	ug/l	96
45) 1,2-Dichloropropane	9.12	63	30229	4.39	ug/l	100
46) Dibromomethane	9.21	93	17889	4.25	ug/l	98
47) Bromodichloromethane	9.40	83	40387	4.70	ug/l	98
48) Methyl methacrylate	9.20	41	14878	3.43	ug/l	96
49) 1,4-Dioxane	9.20	88	4266	63.13	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	85784	17.49	ug/l	97
52) Toluene	10.16	92	65517	4.03	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	33129	3.88	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	39075	3.89	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	25976	4.41	ug/l	97
56) Ethyl methacrylate	10.43	69	22442	3.22	ug/l	95
57) 1,3-Dichloropropane	10.71	76	39611	4.06	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	37164	12.84	ug/l	95
59) 2-Hexanone	10.75	43	58849	17.78	ug/l	96
60) Dibromochloromethane	10.90	129	28941	4.32	ug/l	97
61) 1,2-Dibromoethane	11.00	107	24016	4.16	ug/l	99
64) Tetrachloroethene	10.63	164	29561	4.58	ug/l	96
65) Chlorobenzene	11.43	112	77560	4.39	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	30466	4.76	ug/l	97
67) Ethyl Benzene	11.51	91	113634	3.97	ug/l	97
68) m/p-Xylenes	11.62	106	83550	7.59	ug/l	96
69) o-Xylene	11.95	106	40821	3.83	ug/l	99
70) Styrene	11.96	104	59209	3.59	ug/l	98
71) Bromoform	12.13	173	19390	4.33	ug/l #	98
73) Isopropylbenzene	12.25	105	104738	4.68	ug/l	100
74) N-amyl acetate	12.07	43	19500	3.55	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	29841	5.04	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	21486m	4.52	ug/l	
77) Bromobenzene	12.53	156	29340	4.87	ug/l	99
78) n-propylbenzene	12.59	91	107606	4.37	ug/l	99
79) 2-Chlorotoluene	12.67	91	72321	4.70	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	81301	4.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5608	4.06	ug/l	93
82) 4-Chlorotoluene	12.77	91	65150	4.28	ug/l	99
83) tert-Butylbenzene	12.99	119	74993	4.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	76957	4.32	ug/l	99
85) sec-Butylbenzene	13.17	105	92343	4.50	ug/l	100
86) p-Isopropyltoluene	13.29	119	72168	4.15	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	42846	4.20	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	41886	4.17	ug/l	94
89) n-Butylbenzene	13.62	91	45724	3.40	ug/l	97
90) Hexachloroethane	13.87	117	17773	4.97	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	42017	4.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3515	4.11	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	9901	2.36	ug/l	96
94) Hexachlorobutadiene	15.01	225	16826	4.79	ug/l	99
95) Naphthalene	15.13	128	18116	2.06	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	10690	2.45	ug/l	99

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

