

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051065.D
 Acq On : 10 Sep 2018 8:34
 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
 9/11/2018 9:40:06 AM

Quant Time: Sep 11 02:08:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	660263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	972434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	862731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	359746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	39636	5.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.78%	
35) Dibromofluoromethane	7.59	113	37192	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
50) Toluene-d8	10.09	98	138545	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
62) 4-Bromofluorobenzene	12.40	95	42068	4.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	32697	5.14	ug/l	97
3) Chloromethane	2.06	50	48433	5.34	ug/l	99
4) Vinyl Chloride	2.18	62	47092	5.39	ug/l	98
5) Bromomethane	2.56	94	30892	5.27	ug/l	100
6) Chloroethane	2.70	64	29009	5.38	ug/l	99
7) Trichlorofluoromethane	3.01	101	62468	5.39	ug/l	98
8) Diethyl Ether	3.41	74	22254	5.22	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39155	5.24	ug/l	99
10) Methyl Iodide	3.95	142	25852	4.05	ug/l	98
11) Tert butyl alcohol	4.78	59	14789	26.35	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	36882	5.24	ug/l	99
13) Acrolein	3.61	56	20736	32.39	ug/l	97
14) Allyl chloride	4.32	41	54692	5.10	ug/l	100
15) Acrylonitrile	5.00	53	62706	25.21	ug/l	99
16) Acetone	3.82	43	61766	30.26	ug/l	97
17) Carbon Disulfide	4.05	76	111896	4.83	ug/l	98
18) Methyl Acetate	4.33	43	30102	5.12	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	93573	5.53	ug/l	98
20) Methylene Chloride	4.55	84	41813	5.15	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	38390	5.03	ug/l	93
22) Diisopropyl ether	5.95	45	107991	5.07	ug/l	92
23) Vinyl Acetate	5.90	43	349957	24.28	ug/l	100
24) 1,1-Dichloroethane	5.85	63	73382	5.43	ug/l	98
25) 2-Butanone	6.84	43	78740	27.26	ug/l	98
26) 2,2-Dichloropropane	6.82	77	58263	5.27	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	43260	5.16	ug/l	98
28) Bromochloromethane	7.19	49	31339	5.21	ug/l	100
29) Tetrahydrofuran	7.21	42	43857	24.31	ug/l	97
30) Chloroform	7.37	83	72205	5.37	ug/l	95
31) Cyclohexane	7.65	56	65748	4.81	ug/l #	79
32) 1,1,1-Trichloroethane	7.57	97	60669	5.30	ug/l	99
36) 1,1-Dichloropropene	7.79	75	52172	4.89	ug/l	99
37) Ethyl Acetate	6.93	43	30389	4.91	ug/l #	93
38) Carbon Tetrachloride	7.77	117	54296	5.17	ug/l	96

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	55264	4.69	ug/l	95
40) Benzene	8.04	78	167106	5.19	ug/l	98
41) Methacrylonitrile	7.18	41	15407	4.83	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	49414	5.27	ug/l	99
43) Isopropyl Acetate	8.17	43	54707	5.01	ug/l #	88
44) Trichloroethene	8.83	130	43922	4.99	ug/l	98
45) 1,2-Dichloropropane	9.12	63	43785	5.27	ug/l	96
46) Dibromomethane	9.21	93	25870	5.10	ug/l	99
47) Bromodichloromethane	9.40	83	52504	5.09	ug/l	98
48) Methyl methacrylate	9.20	41	24194	4.55	ug/l	97
49) 1,4-Dioxane	9.20	88	7670	91.99	ug/l #	88
51) 4-Methyl-2-Pentanone	9.98	43	152575	25.29	ug/l	96
52) Toluene	10.16	92	100691	5.13	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	48927	4.74	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	58767	4.86	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	37517	5.26	ug/l	97
56) Ethyl methacrylate	10.43	69	38047	4.46	ug/l	99
57) 1,3-Dichloropropane	10.71	76	60282	5.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	74071	21.25	ug/l	100
59) 2-Hexanone	10.75	43	100900	24.66	ug/l	96
60) Dibromochloromethane	10.90	129	41139	5.12	ug/l	97
61) 1,2-Dibromoethane	11.00	107	35811	5.14	ug/l	99
64) Tetrachloroethene	10.63	164	40880	5.19	ug/l	98
65) Chlorobenzene	11.43	112	111298	5.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	40167	5.13	ug/l	98
67) Ethyl Benzene	11.51	91	168636	4.79	ug/l	99
68) m/p-Xylenes	11.62	106	130880	9.67	ug/l	99
69) o-Xylene	11.95	106	61571	4.70	ug/l	96
70) Styrene	11.96	104	91377	4.50	ug/l	98
71) Bromoform	12.12	173	27249	4.94	ug/l #	99
73) Isopropylbenzene	12.25	105	162269	5.38	ug/l	100
74) N-amyl acetate	12.07	43	36057	4.75	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	46127	5.74	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	37247m	6.23	ug/l	
77) Bromobenzene	12.53	156	43394	5.36	ug/l	99
78) n-propylbenzene	12.59	91	171368	5.17	ug/l	98
79) 2-Chlorotoluene	12.67	91	111417	5.38	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	126833	5.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9628	5.08	ug/l	91
82) 4-Chlorotoluene	12.77	91	107445	5.22	ug/l	99
83) tert-Butylbenzene	12.99	119	116140	5.39	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	124975	5.21	ug/l	100
85) sec-Butylbenzene	13.17	105	146407	5.30	ug/l	99
86) p-Isopropyltoluene	13.29	119	116762	4.99	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	68605	4.99	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	65829	4.86	ug/l	95
89) n-Butylbenzene	13.61	91	83636	4.59	ug/l	98
90) Hexachloroethane	13.87	117	25350	5.30	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	67706	5.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5327	4.54	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17280	3.00	ug/l	99
94) Hexachlorobutadiene	15.01	225	23761	5.03	ug/l	97
95) Naphthalene	15.13	128	32801	2.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	19076	3.19	ug/l	93

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

