

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049769.D
 Acq On : 12 Jul 2018 11:05
 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
 7/13/2018 1:35:08 PM

Quant Time: Jul 12 15:44:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:09:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1279708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1923711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1714484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	776882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	89010	5.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.54%	
35) Dibromofluoromethane	7.59	113	81826	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	
50) Toluene-d8	10.09	98	284673	5.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.12%	
62) 4-Bromofluorobenzene	12.40	95	86827	4.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	67734	4.70	ug/l	94
3) Chloromethane	2.06	50	86880	4.82	ug/l	97
4) Vinyl Chloride	2.18	62	92689	4.79	ug/l	97
5) Bromomethane	2.56	94	66333	6.53	ug/l	96
6) Chloroethane	2.70	64	62013	5.06	ug/l	95
7) Trichlorofluoromethane	3.02	101	129214	5.85	ug/l	95
8) Diethyl Ether	3.41	74	44839	5.01	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	81850	5.15	ug/l	99
10) Methyl Iodide	3.95	142	87378	4.39	ug/l	98
11) Tert butyl alcohol	4.80	59	23873	24.62	ug/l	95
12) 1,1-Dichloroethene	3.73	96	70098	4.66	ug/l	98
13) Acrolein	3.61	56	37429	41.32	ug/l	99
14) Allyl chloride	4.32	41	108133	5.24	ug/l	99
15) Acrylonitrile	4.99	53	118390	23.64	ug/l	99
16) Acetone	3.82	43	93837	22.42	ug/l	95
17) Carbon Disulfide	4.05	76	202423	4.44	ug/l	100
18) Methyl Acetate	4.33	43	72156	2.83	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	177149	4.57	ug/l	99
20) Methylene Chloride	4.55	84	89854	5.16	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	75585	4.89	ug/l	96
22) Diisopropyl ether	5.95	45	222372	4.76	ug/l	97
23) Vinyl Acetate	5.90	43	698848	23.07	ug/l	99
24) 1,1-Dichloroethane	5.84	63	150058	5.10	ug/l	99
25) 2-Butanone	6.84	43	132549	23.63	ug/l	98
26) 2,2-Dichloropropane	6.82	77	119213	4.88	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	84688	4.90	ug/l	100
28) Bromochloromethane	7.19	49	65390	5.24	ug/l	99
29) Tetrahydrofuran	7.22	42	80551	22.53	ug/l	98
30) Chloroform	7.37	83	152778	5.09	ug/l	97
31) Cyclohexane	7.66	56	127865	4.41	ug/l	# 79
32) 1,1,1-Trichloroethane	7.57	97	128207	5.05	ug/l	98
36) 1,1-Dichloropropene	7.79	75	107646	4.97	ug/l	99
37) Ethyl Acetate	6.93	43	57376	4.55	ug/l	99
38) Carbon Tetrachloride	7.77	117	113914	5.41	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	108118	4.56	ug/l	99
40) Benzene	8.04	78	325139	4.92	ug/l	100
41) Methacrylonitrile	7.17	41	34558m	4.86	ug/l	
42) 1,2-Dichloroethane	8.12	62	108300	5.13	ug/l	100
43) Isopropyl Acetate	8.17	43	106338	3.57	ug/l	96
44) Trichloroethene	8.84	130	86904	4.36	ug/l	100
45) 1,2-Dichloropropane	9.12	63	88776	5.20	ug/l	100
46) Dibromomethane	9.21	93	52250	5.06	ug/l	97
47) Bromodichloromethane	9.40	83	114368	5.20	ug/l	99
48) Methyl methacrylate	9.20	41	49904	4.45	ug/l	96
49) 1,4-Dioxane	9.21	88	13620	90.31	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	287456	23.23	ug/l	97
52) Toluene	10.16	92	190211	4.76	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	99340	4.72	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	118438	4.81	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	77350	5.20	ug/l	96
56) Ethyl methacrylate	10.43	69	75232	4.32	ug/l	99
57) 1,3-Dichloropropane	10.71	76	119488	4.96	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	173511	21.39	ug/l	99
59) 2-Hexanone	10.75	43	180897	22.10	ug/l	95
60) Dibromochloromethane	10.90	129	81829	5.09	ug/l	100
61) 1,2-Dibromoethane	11.01	107	66726	4.68	ug/l	98
64) Tetrachloroethene	10.63	164	78960	3.40	ug/l	98
65) Chlorobenzene	11.44	112	219432	4.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	81410	5.07	ug/l	98
67) Ethyl Benzene	11.51	91	342581	4.63	ug/l	99
68) m/p-Xylenes	11.62	106	255780	9.03	ug/l	99
69) o-Xylene	11.95	106	122029	4.50	ug/l	97
70) Styrene	11.97	104	181112	4.13	ug/l	97
71) Bromoform	12.13	173	51842	4.85	ug/l #	99
73) Isopropylbenzene	12.25	105	330953	5.35	ug/l	98
74) N-amyl acetate	12.07	43	79025	4.68	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	88369	6.05	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	66364m	5.33	ug/l	
77) Bromobenzene	12.53	156	87307	5.19	ug/l	98
78) n-propylbenzene	12.59	91	356463	5.03	ug/l	99
79) 2-Chlorotoluene	12.68	91	227759	5.07	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	250269	4.87	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19868	5.42	ug/l	94
82) 4-Chlorotoluene	12.78	91	224133	4.97	ug/l	99
83) tert-Butylbenzene	12.99	119	233586	5.29	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	253684	4.80	ug/l	99
85) sec-Butylbenzene	13.17	105	306396	5.24	ug/l	99
86) p-Isopropyltoluene	13.29	119	244446	4.82	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	149753	4.82	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	144000	4.64	ug/l	95
89) n-Butylbenzene	13.62	91	196735	4.53	ug/l	96
90) Hexachloroethane	13.88	117	56096	10.53	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	143882	4.76	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11930	4.68	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50046	3.60	ug/l	99
94) Hexachlorobutadiene	15.01	225	50245	5.21	ug/l	98
95) Naphthalene	15.14	128	92119	3.09	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	53917	3.77	ug/l	97

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

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