

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050586.D
 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:04 PM

Quant Time: Aug 14 07:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	633245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	929429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	419908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	157329	18.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.48%	
35) Dibromofluoromethane	7.59	113	143750	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	
50) Toluene-d8	10.09	98	536169	19.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.20%	
62) 4-Bromofluorobenzene	12.40	95	169483	17.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	143232	20.36	ug/l	99
3) Chloromethane	2.06	50	179992	19.16	ug/l	99
4) Vinyl Chloride	2.18	62	186987	20.51	ug/l	99
5) Bromomethane	2.56	94	103292	18.48	ug/l	100
6) Chloroethane	2.70	64	111344	19.91	ug/l	98
7) Trichlorofluoromethane	3.01	101	243531	20.72	ug/l	97
8) Diethyl Ether	3.41	74	80297	18.79	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149015	20.50	ug/l	99
10) Methyl Iodide	3.95	142	81313	23.15	ug/l	100
11) Tert butyl alcohol	4.80	59	43585	69.10	ug/l	99
12) 1,1-Dichloroethene	3.73	96	132143	19.32	ug/l	98
13) Acrolein	3.61	56	15720	23.29	ug/l	96
14) Allyl chloride	4.32	41	199972	18.35	ug/l	99
15) Acrylonitrile	4.99	53	234570	84.65	ug/l	99
16) Acetone	3.82	43	201240	76.11	ug/l	98
17) Carbon Disulfide	4.05	76	416499	18.72	ug/l	99
18) Methyl Acetate	4.33	43	114200	15.15	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	341293	17.89	ug/l	100
20) Methylene Chloride	4.55	84	156921	16.67	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	144392	19.52	ug/l	98
22) Diisopropyl ether	5.96	45	447885	20.03	ug/l	97
23) Vinyl Acetate	5.90	43	1418319	90.34	ug/l	99
24) 1,1-Dichloroethane	5.85	63	270981	19.69	ug/l	99
25) 2-Butanone	6.84	43	316027	78.52	ug/l	98
26) 2,2-Dichloropropane	6.83	77	180288	16.39	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159802	19.52	ug/l	100
28) Bromochloromethane	7.20	49	130974	20.65	ug/l	100
29) Tetrahydrofuran	7.22	42	167631	77.64	ug/l	100
30) Chloroform	7.37	83	277529	20.18	ug/l	99
31) Cyclohexane	7.66	56	234916	17.05	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	232786	19.71	ug/l	99
36) 1,1-Dichloropropene	7.80	75	204286	20.03	ug/l	98
37) Ethyl Acetate	6.93	43	118938	16.85	ug/l	98
38) Carbon Tetrachloride	7.78	117	208617	19.61	ug/l	97

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

39) Methylcyclohexane	9.08	83	207768	18.68	ug/l	96
40) Benzene	8.04	78	628460	20.02	ug/l	100
41) Methacrylonitrile	7.18	41	62543	16.41	ug/l	98
42) 1,2-Dichloroethane	8.13	62	193137	19.56	ug/l	99
43) Isopropyl Acetate	8.17	43	214165	17.39	ug/l	99
44) Trichloroethene	8.84	130	164045	19.43	ug/l	97
45) 1,2-Dichloropropane	9.12	63	165100	20.01	ug/l	99
46) Dibromomethane	9.21	93	96860	19.22	ug/l	98
47) Bromodichloromethane	9.40	83	205060	19.45	ug/l	100
48) Methyl methacrylate	9.20	41	103404	16.82	ug/l	98
49) 1,4-Dioxane	9.20	88	27544	294.69	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	735883	83.68	ug/l	99
52) Toluene	10.16	92	387083	20.55	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	189801	18.14	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	224381	19.11	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	138518	19.01	ug/l	99
56) Ethyl methacrylate	10.43	69	157945	17.41	ug/l	99
57) 1,3-Dichloropropane	10.71	76	231341	19.32	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	377032	88.98	ug/l	100
59) 2-Hexanone	10.75	43	466274	76.46	ug/l	99
60) Dibromochloromethane	10.90	129	153384	19.08	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132556	18.53	ug/l	99
64) Tetrachloroethene	10.63	164	158710	20.00	ug/l	97
65) Chlorobenzene	11.43	112	416943	19.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154568	19.86	ug/l	99
67) Ethyl Benzene	11.51	91	682406	19.79	ug/l	99
68) m/p-Xylenes	11.62	106	538449	40.98	ug/l	99
69) o-Xylene	11.95	106	252233	19.97	ug/l	98
70) Styrene	11.96	104	415736	20.29	ug/l	100
71) Bromoform	12.13	173	102623	18.38	ug/l #	100
73) Isopropylbenzene	12.25	105	667380	21.02	ug/l	99
74) N-amyl acetate	12.07	43	169835	17.11	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	169019	18.86	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	150927m	19.89	ug/l	
77) Bromobenzene	12.53	156	173694	20.45	ug/l	98
78) n-propylbenzene	12.59	91	756549	21.07	ug/l	99
79) 2-Chlorotoluene	12.67	91	461743	20.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	556486	21.64	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35931	17.13	ug/l	96
82) 4-Chlorotoluene	12.77	91	470535	21.28	ug/l	99
83) tert-Butylbenzene	12.99	119	458109	20.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	566422	21.75	ug/l	99
85) sec-Butylbenzene	13.17	105	616851	20.64	ug/l	100
86) p-Isopropyltoluene	13.29	119	527638	20.63	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	301471	20.01	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	291932	19.42	ug/l	99
89) n-Butylbenzene	13.62	91	398246	18.42	ug/l	98
90) Hexachloroethane	13.88	117	94579	20.61	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	293579	19.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22087	14.78	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124128	16.42	ug/l	98
94) Hexachlorobutadiene	15.01	225	86763	15.75	ug/l	98
95) Naphthalene	15.13	128	241886	14.15	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	122308	16.01	ug/l	97

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

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