

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050585.D
 Acq On : 14 Aug 2018 00:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:20:57 PM

Quant Time: Aug 14 07:40:14 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	569065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	873040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	786588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	40386	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
35) Dibromofluoromethane	7.59	113	37283	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	
50) Toluene-d8	10.09	98	130302	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.40	95	38906	4.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	32014	5.06	ug/l	99
3) Chloromethane	2.06	50	43908	5.20	ug/l	97
4) Vinyl Chloride	2.18	62	44050	5.38	ug/l	94
5) Bromomethane	2.56	94	28740	5.72	ug/l	98
6) Chloroethane	2.70	64	28932	5.76	ug/l	95
7) Trichlorofluoromethane	3.01	101	59085	5.59	ug/l	98
8) Diethyl Ether	3.41	74	18282	4.76	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	36676	5.61	ug/l	99
10) Methyl Iodide	3.95	142	17667	5.60	ug/l	98
11) Tert butyl alcohol	4.79	59	9760	17.22	ug/l	95
12) 1,1-Dichloroethene	3.73	96	31433	5.11	ug/l	99
13) Acrolein	3.61	56	11633	19.18	ug/l	99
14) Allyl chloride	4.33	41	48278	4.93	ug/l	99
15) Acrylonitrile	5.00	53	53883	21.64	ug/l	98
16) Acetone	3.82	43	52048	21.91	ug/l	98
17) Carbon Disulfide	4.05	76	98952	4.95	ug/l	100
18) Methyl Acetate	4.33	43	33588	4.96	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	75033	4.38	ug/l	94
20) Methylene Chloride	4.55	84	42435	5.02	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	34663	5.21	ug/l	97
22) Diisopropyl ether	5.96	45	97948	4.88	ug/l	92
23) Vinyl Acetate	5.90	43	303684	21.52	ug/l	98
24) 1,1-Dichloroethane	5.85	63	67886	5.49	ug/l	97
25) 2-Butanone	6.84	43	75337	20.83	ug/l	96
26) 2,2-Dichloropropane	6.82	77	44204	4.47	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	38030	5.17	ug/l	98
28) Bromochloromethane	7.19	49	29728	5.22	ug/l	99
29) Tetrahydrofuran	7.22	42	38089	19.63	ug/l	96
30) Chloroform	7.37	83	69236	5.60	ug/l	95
31) Cyclohexane	7.66	56	57787	4.67	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	59089	5.57	ug/l	99
36) 1,1-Dichloropropene	7.80	75	47178	4.93	ug/l	99
37) Ethyl Acetate	6.93	43	27959	4.22	ug/l #	93
38) Carbon Tetrachloride	7.77	117	52776	5.28	ug/l	94

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

39) Methylcyclohexane	9.08	83	45351	4.34	ug/l	95
40) Benzene	8.04	78	151535	5.14	ug/l	96
41) Methacrylonitrile	7.18	41	13875	3.88	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	48318	5.21	ug/l	100
43) Isopropyl Acetate	8.17	43	53839	4.65	ug/l	98
44) Trichloroethene	8.84	130	39652	5.00	ug/l	99
45) 1,2-Dichloropropane	9.12	63	40974	5.29	ug/l	97
46) Dibromomethane	9.21	93	24196	5.11	ug/l	98
47) Bromodichloromethane	9.40	83	51826	5.23	ug/l	97
48) Methyl methacrylate	9.20	41	23102	4.00	ug/l	96
49) 1,4-Dioxane	9.20	88	5987	68.19	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	165664	20.05	ug/l	98
52) Toluene	10.16	92	87365	4.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	43301	4.40	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	51353	4.66	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	34942	5.10	ug/l	94
56) Ethyl methacrylate	10.43	69	33345	3.91	ug/l	96
57) 1,3-Dichloropropane	10.71	76	55385	4.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	72350	18.18	ug/l	99
59) 2-Hexanone	10.75	43	102073	17.82	ug/l	92
60) Dibromochloromethane	10.90	129	36675	4.86	ug/l	100
61) 1,2-Dibromoethane	11.01	107	30853	4.59	ug/l	97
64) Tetrachloroethene	10.63	164	38161	5.20	ug/l	99
65) Chlorobenzene	11.44	112	100303	5.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	39148	5.44	ug/l	97
67) Ethyl Benzene	11.51	91	149919	4.70	ug/l	98
68) m/p-Xylenes	11.62	106	111551	9.18	ug/l	98
69) o-Xylene	11.95	106	53670	4.59	ug/l	99
70) Styrene	11.97	104	82286	4.34	ug/l	99
71) Bromoform	12.13	173	24450	4.73	ug/l #	98
73) Isopropylbenzene	12.25	105	138443	5.15	ug/l	100
74) N-amyl acetate	12.07	43	34370	4.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	41503	5.47	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	35606m	5.54	ug/l	
77) Bromobenzene	12.53	156	40123	5.58	ug/l	98
78) n-propylbenzene	12.59	91	148279	4.88	ug/l	100
79) 2-Chlorotoluene	12.67	91	100357	5.34	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	109330	5.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	7763	4.37	ug/l	96
82) 4-Chlorotoluene	12.77	91	97090	5.19	ug/l	99
83) tert-Butylbenzene	12.99	119	95009	5.01	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	107622	4.88	ug/l	100
85) sec-Butylbenzene	13.17	105	127344	5.03	ug/l	98
86) p-Isopropyltoluene	13.29	119	101679	4.70	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	66761	5.23	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	66378	5.21	ug/l	95
89) n-Butylbenzene	13.62	91	78450	4.29	ug/l	95
90) Hexachloroethane	13.87	117	23085	5.94	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	66588	5.23	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5497	4.34	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	21475	3.35	ug/l	97
94) Hexachlorobutadiene	15.01	225	21110	4.53	ug/l	94
95) Naphthalene	15.13	128	35734	2.47	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	21692	3.35	ug/l	99

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

