

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057242.D
 Acq On : 13 Aug 2019 11:51
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:17 AM

Quant Time: Aug 14 11:09:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 05:31:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1125115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1636688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1422499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	424529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	59571	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
35) Dibromofluoromethane	7.58	113	55508	5.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.76%	
50) Toluene-d8	10.09	98	175169	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	
62) 4-Bromofluorobenzene	12.40	95	60559	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	50179	4.790	ug/l	93
3) Chloromethane	2.05	50	55594	4.025	ug/l	91
4) Vinyl Chloride	2.18	62	54751	4.125	ug/l	97
5) Bromomethane	2.54	94	44528m	5.551	ug/l	
6) Chloroethane	2.69	64	36475m	4.614	ug/l	
7) Trichlorofluoromethane	3.01	101	81670	4.661	ug/l	96
8) Diethyl Ether	3.40	74	31058	4.626	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	51276	4.890	ug/l	99
10) Methyl Iodide	3.95	142	70110	4.841	ug/l #	94
11) Tert butyl alcohol	4.76	59	41231	20.916	ug/l #	97
12) 1,1-Dichloroethene	3.73	96	51307	4.889	ug/l	93
13) Acrolein	3.60	56	28874	34.287	ug/l	97
14) Allyl chloride	4.31	41	73868	4.149	ug/l	98
15) Acrylonitrile	4.98	53	109895	19.171	ug/l #	90
16) Acetone	3.81	43	95748	17.493	ug/l	99
17) Carbon Disulfide	4.05	76	128331	4.601	ug/l	97
18) Methyl Acetate	4.32	43	66270	4.423	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	145920	4.407	ug/l	97
20) Methylene Chloride	4.55	84	58478	4.726	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	53184	4.804	ug/l	95
22) Diisopropyl ether	5.94	45	150413	4.306	ug/l	90
23) Vinyl Acetate	5.88	43	583097	20.682	ug/l	100
24) 1,1-Dichloroethane	5.84	63	94035	4.571	ug/l	98
25) 2-Butanone	6.82	43	143368	18.041	ug/l	98
26) 2,2-Dichloropropane	6.82	77	74946	4.938	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	62235	4.882	ug/l	98
28) Bromochloromethane	7.18	49	43223	4.551	ug/l	98
29) Tetrahydrofuran	7.20	42	86255	16.714	ug/l	97
30) Chloroform	7.36	83	97743	4.713	ug/l	99
31) Cyclohexane	7.65	56	92135	4.805	ug/l #	78
32) 1,1,1-Trichloroethane	7.56	97	80024	4.827	ug/l	98
36) 1,1-Dichloropropene	7.79	75	71068	4.705	ug/l	99
37) Ethyl Acetate	6.92	43	58864	4.123	ug/l	95
38) Carbon Tetrachloride	7.77	117	72627	5.037	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	84281	4.550	ug/l	99
40) Benzene	8.03	78	218750	4.748	ug/l	98
41) Methacrylonitrile	7.17	41	21044m	3.391	ug/l	
42) 1,2-Dichloroethane	8.12	62	72253	4.939	ug/l	99
43) Isopropyl Acetate	8.16	43	102610	4.506	ug/l	96
44) Trichloroethene	8.83	130	64740	5.111	ug/l	95
45) 1,2-Dichloropropane	9.11	63	56241	4.635	ug/l	99
46) Dibromomethane	9.20	93	37041	4.869	ug/l	96
47) Bromodichloromethane	9.40	83	69352	4.762	ug/l	95
48) Methyl methacrylate	9.19	41	43131	3.941	ug/l	97
49) 1,4-Dioxane	9.19	88	20612	90.355	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	275731	18.960	ug/l	100
52) Toluene	10.15	92	137574	4.992	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	69637	4.576	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	83289	4.736	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	53985	4.713	ug/l	95
56) Ethyl methacrylate	10.43	69	69292	4.253	ug/l	98
57) 1,3-Dichloropropane	10.70	76	89504	4.790	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	75086	10.392	ug/l	98
59) 2-Hexanone	10.75	43	192952	18.578	ug/l	99
60) Dibromochloromethane	10.90	129	57744	5.053	ug/l	95
61) 1,2-Dibromoethane	11.00	107	54513	4.774	ug/l	97
64) Tetrachloroethene	10.63	164	67863	5.504	ug/l	92
65) Chlorobenzene	11.43	112	146293	5.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	54982	5.083	ug/l	98
67) Ethyl Benzene	11.51	91	244808	4.796	ug/l	97
68) m/p-Xylenes	11.62	106	181362	9.515	ug/l	97
69) o-Xylene	11.94	106	91439	4.881	ug/l	97
70) Styrene	11.96	104	126562	4.193	ug/l	97
71) Bromoform	12.13	173	39954	4.861	ug/l #	97
73) Isopropylbenzene	12.25	105	229657	6.587	ug/l	99
74) N-amyl acetate	12.07	43	65651	5.291	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	69797	6.087	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	60691m	6.640	ug/l	
77) Bromobenzene	12.53	156	60385	6.610	ug/l	99
78) n-propylbenzene	12.59	91	212151	5.540	ug/l	99
79) 2-Chlorotoluene	12.67	91	140633	5.905	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	183606	6.234	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18484	6.103	ug/l	94
82) 4-Chlorotoluene	12.77	91	123199	5.493	ug/l	99
83) tert-Butylbenzene	12.99	119	173108	6.688	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	168197	5.895	ug/l	100
85) sec-Butylbenzene	13.17	105	198388	6.071	ug/l	100
86) p-Isopropyltoluene	13.29	119	175536	5.962	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	75507	5.119	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	71818	5.035	ug/l	95
89) n-Butylbenzene	13.62	91	111372	4.811	ug/l	97
90) Hexachloroethane	13.88	117	33747	6.906	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	70727	4.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6734	3.806	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	16795	2.595	ug/l	96
94) Hexachlorobutadiene	15.01	225	40917	7.356	ug/l	96
95) Naphthalene	15.13	128	31382	1.888	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	15257	2.312	ug/l	98

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

