

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057574.D
 Acq On : 30 Aug 2019 1:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 11:35:29 AM

Quant Time: Aug 30 15:07:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	420200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	712133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	717858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355939	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	367962	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
35) Dibromofluoromethane	7.58	113	290228	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	10.09	98	1255999	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
62) 4-Bromofluorobenzene	12.40	95	429656	56.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	244265	51.733	ug/l	94
3) Chloromethane	2.06	50	227687	48.298	ug/l	97
4) Vinyl Chloride	2.18	62	358730	51.580	ug/l	99
5) Bromomethane	2.55	94	325095	54.284	ug/l	99
6) Chloroethane	2.69	64	247128	52.999	ug/l	98
7) Trichlorofluoromethane	3.01	101	787442	54.511	ug/l	99
8) Diethyl Ether	3.40	74	252064	52.517	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.74	101	449004	53.072	ug/l #	84
10) Methyl Iodide	3.93	142	767871	55.447	ug/l	93
11) Tert butyl alcohol	4.80	59	158710	234.002	ug/l	97
12) 1,1-Dichloroethene	3.72	96	435381	54.685	ug/l #	73
13) Acrolein	3.59	56	148327	255.406	ug/l	99
14) Allyl chloride	4.30	41	294648	50.561	ug/l #	85
15) Acrylonitrile	4.98	53	427123	254.343	ug/l	99
16) Acetone	3.81	43	597810	215.033	ug/l	94
17) Carbon Disulfide	4.03	76	488527	44.885	ug/l	100
18) Methyl Acetate	4.31	43	211035	55.495	ug/l #	89
19) Methyl tert-butyl Ether	5.03	73	740499	48.826	ug/l	91
20) Methylene Chloride	4.53	84	237198	46.057	ug/l	83
21) trans-1,2-Dichloroethene	5.02	96	244033	48.999	ug/l	83
22) Diisopropyl ether	5.94	45	713628	54.625	ug/l #	91
23) Vinyl Acetate	5.88	43	2867727	280.916	ug/l #	91
24) 1,1-Dichloroethane	5.83	63	442515	51.442	ug/l	98
25) 2-Butanone	6.82	43	570913	260.169	ug/l #	84
26) 2,2-Dichloropropane	6.81	77	340193	38.733	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	304026	50.405	ug/l	81
28) Bromochloromethane	7.18	49	205468	56.822	ug/l #	59
29) Tetrahydrofuran	7.20	42	362970	264.495	ug/l #	76
30) Chloroform	7.36	83	536197	50.228	ug/l	98
31) Cyclohexane	7.64	56	406081	50.831	ug/l #	83
32) 1,1,1-Trichloroethane	7.56	97	496609	52.332	ug/l	95
36) 1,1-Dichloropropene	7.78	75	381496	49.522	ug/l	95
37) Ethyl Acetate	6.92	43	249321	48.848	ug/l #	93
38) Carbon Tetrachloride	7.76	117	422910	46.946	ug/l	98

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

39) Methylcyclohexane	9.07	83	486204	49.605	ug/l #	88
40) Benzene	8.03	78	1187463	50.334	ug/l	100
41) Methacrylonitrile	7.18	41	140067m	59.726	ug/l	
42) 1,2-Dichloroethane	8.11	62	431561	51.395	ug/l	99
43) Isopropyl Acetate	8.16	43	474801	49.838	ug/l #	93
44) Trichloroethene	8.82	130	331569	50.896	ug/l	82
45) 1,2-Dichloropropane	9.11	63	286999	52.060	ug/l	100
46) Dibromomethane	9.20	93	216079	49.985	ug/l #	85
47) Bromodichloromethane	9.40	83	452848	50.812	ug/l	99
48) Methyl methacrylate	9.19	41	224891	49.981	ug/l #	80
49) 1,4-Dioxane	9.20	88	80982	986.237	ug/l #	80
51) 4-Methyl-2-Pentanone	9.98	43	1353590	265.841	ug/l	90
52) Toluene	10.15	92	828196	54.186	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	447978	52.013	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	470009	50.384	ug/l #	87
55) 1,1,2-Trichloroethane	10.56	97	309780	52.699	ug/l	95
56) Ethyl methacrylate	10.43	69	424926	54.308	ug/l #	80
57) 1,3-Dichloropropane	10.71	76	501212	53.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	532567	290.117	ug/l #	82
59) 2-Hexanone	10.75	43	917664	261.042	ug/l	87
60) Dibromochloromethane	10.90	129	363279	54.178	ug/l	100
61) 1,2-Dibromoethane	11.00	107	334708	54.412	ug/l	97
64) Tetrachloroethene	10.63	164	344087	46.669	ug/l	92
65) Chlorobenzene	11.43	112	913304	50.687	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	351033	49.399	ug/l	98
67) Ethyl Benzene	11.51	91	1666203	52.658	ug/l	95
68) m/p-Xylenes	11.62	106	1279714	106.188	ug/l	89
69) o-Xylene	11.95	106	615811	50.884	ug/l	93
70) Styrene	11.96	104	1024235	56.069	ug/l	95
71) Bromoform	12.13	173	241488	50.909	ug/l #	99
73) Isopropylbenzene	12.25	105	1685323	51.392	ug/l	98
74) N-amyl acetate	12.07	43	410178	54.203	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.50	83	401411	55.203	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	324838m	49.587	ug/l	
77) Bromobenzene	12.53	156	394005	44.871	ug/l	71
78) n-propylbenzene	12.59	91	1770483	47.052	ug/l	94
79) 2-Chlorotoluene	12.67	91	1063848	45.390	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	1419922	47.639	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	98101	41.443	ug/l	94
82) 4-Chlorotoluene	12.77	91	1035282	47.608	ug/l	92
83) tert-Butylbenzene	12.99	119	1232107	54.676	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	1369946	50.253	ug/l	99
85) sec-Butylbenzene	13.17	105	1581124	48.261	ug/l	98
86) p-Isopropyltoluene	13.29	119	1400424	49.732	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	640208	50.203	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	611791	50.029	ug/l	95
89) n-Butylbenzene	13.62	91	1081574	50.703	ug/l	98
90) Hexachloroethane	13.88	117	251862	42.504	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	617692	51.899	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63051	47.224	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209882	43.086	ug/l	98
94) Hexachlorobutadiene	15.01	225	187801	47.878	ug/l	98
95) Naphthalene	15.13	128	584112	49.598	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	202638	50.377	ug/l	98

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

