

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057631.D
 Acq On : 31 Aug 2019 22:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:52:26 AM

Quant Time: Sep 01 01:06:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	189176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	330125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	147005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	216400	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.58	113	139487	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.09	98	545365	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	201403	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159698	52.791	ug/l	99
3) Chloromethane	2.05	50	185274	53.126	ug/l	97
4) Vinyl Chloride	2.18	62	149502	54.731	ug/l	99
5) Bromomethane	2.52	94	75145	43.478	ug/l	95
6) Chloroethane	2.68	64	85208	55.846	ug/l	97
7) Trichlorofluoromethane	3.00	101	204865	53.429	ug/l	99
8) Diethyl Ether	3.40	74	67241	52.997	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	100508	51.705	ug/l	98
10) Methyl Iodide	3.93	142	138521	55.192	ug/l	100
11) Tert butyl alcohol	4.81	59	121382	270.810	ug/l #	89
12) 1,1-Dichloroethene	3.71	96	94940	53.879	ug/l	96
13) Acrolein	3.59	56	45475	255.170	ug/l	100
14) Allyl chloride	4.30	41	276917	50.374	ug/l	98
15) Acrylonitrile	4.98	53	367388	273.160	ug/l	100
16) Acetone	3.81	43	275435	229.979	ug/l	98
17) Carbon Disulfide	4.02	76	298913	52.471	ug/l	99
18) Methyl Acetate	4.31	43	214004	52.040	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	482110	52.883	ug/l	96
20) Methylene Chloride	4.53	84	158761	53.545	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	142755	54.493	ug/l	98
22) Diisopropyl ether	5.94	45	609941	53.975	ug/l	98
23) Vinyl Acetate	5.88	43	2436733	280.571	ug/l	99
24) 1,1-Dichloroethane	5.82	63	304252	53.635	ug/l	99
25) 2-Butanone	6.83	43	522639	261.888	ug/l	97
26) 2,2-Dichloropropane	6.81	77	192613	42.480	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	166826	53.328	ug/l	96
28) Bromochloromethane	7.18	49	155364	51.431	ug/l	100
29) Tetrahydrofuran	7.20	42	342548	273.594	ug/l	99
30) Chloroform	7.36	83	306758	53.305	ug/l	95
31) Cyclohexane	7.64	56	291150	51.426	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	256045	54.240	ug/l	99
36) 1,1-Dichloropropene	7.78	75	220575	50.397	ug/l	100
37) Ethyl Acetate	6.92	43	226574	54.345	ug/l	98
38) Carbon Tetrachloride	7.76	117	205516	52.457	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	261273	50.526	ug/l	98
40) Benzene	8.03	78	649229	50.958	ug/l	98
41) Methacrylonitrile	7.16	41	121528	51.910	ug/l	95
42) 1,2-Dichloroethane	8.11	62	272322	52.625	ug/l	99
43) Isopropyl Acetate	8.16	43	400675	53.417	ug/l	99
44) Trichloroethene	8.82	130	147394	50.998	ug/l	97
45) 1,2-Dichloropropane	9.11	63	181599	51.172	ug/l	99
46) Dibromomethane	9.20	93	112826	51.348	ug/l	99
47) Bromodichloromethane	9.40	83	234193	52.461	ug/l	98
48) Methyl methacrylate	9.19	41	200716	52.412	ug/l	99
49) 1,4-Dioxane	9.20	88	46920	1046.290	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1168311	271.758	ug/l	99
52) Toluene	10.15	92	392314	52.100	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232210	46.782	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	255990	46.849	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	150810	52.787	ug/l	97
56) Ethyl methacrylate	10.43	69	249493	52.330	ug/l	100
57) 1,3-Dichloropropane	10.70	76	270296	51.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	337994	242.315	ug/l	99
59) 2-Hexanone	10.75	43	819232	259.492	ug/l	98
60) Dibromochloromethane	10.90	129	146843	47.106	ug/l	99
61) 1,2-Dibromoethane	11.00	107	152073	52.863	ug/l	99
64) Tetrachloroethene	10.63	164	137342	52.963	ug/l	99
65) Chlorobenzene	11.43	112	389368	51.885	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	138045	52.744	ug/l	98
67) Ethyl Benzene	11.51	91	782067	53.636	ug/l	100
68) m/p-Xylenes	11.62	106	538912	104.911	ug/l	98
69) o-Xylene	11.95	106	259965	52.220	ug/l	99
70) Styrene	11.96	104	443347	49.509	ug/l	100
71) Bromoform	12.13	173	85928	44.899	ug/l #	99
73) Isopropylbenzene	12.25	105	741331	49.948	ug/l	98
74) N-amyl acetate	12.07	43	343282	49.009	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	206180	47.133	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	183387m	47.425	ug/l	
77) Bromobenzene	12.53	156	157008	49.702	ug/l	98
78) n-propylbenzene	12.59	91	845709	51.194	ug/l	99
79) 2-Chlorotoluene	12.68	91	503568	48.886	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	615255	50.388	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50384	44.663	ug/l	96
82) 4-Chlorotoluene	12.77	91	501264	49.161	ug/l	100
83) tert-Butylbenzene	12.99	119	507810	49.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	596845	50.524	ug/l	99
85) sec-Butylbenzene	13.17	105	688921	49.436	ug/l	100
86) p-Isopropyltoluene	13.29	119	583468	50.627	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	251723	48.913	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	242116	48.704	ug/l	99
89) n-Butylbenzene	13.62	91	510042	47.225	ug/l	99
90) Hexachloroethane	13.88	117	93943	46.952	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	247099	50.316	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33650	49.958	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85234	41.649	ug/l	97
94) Hexachlorobutadiene	15.01	225	75198	44.621	ug/l	97
95) Naphthalene	15.13	128	264383	43.086	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	81377	39.999	ug/l	94

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

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