

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054055.D
 Acq On : 2 Mar 2019 2:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 1:54:25 PM

Quant Time: Mar 02 05:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	632327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1033598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	907706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	416828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	384891	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.59	113	334865	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.09	98	1234902	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	419637	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	271302	46.620	ug/l	99
3) Chloromethane	2.06	50	442379	54.804	ug/l	99
4) Vinyl Chloride	2.19	62	392016	48.470	ug/l	99
5) Bromomethane	2.57	94	211110	39.413	ug/l	99
6) Chloroethane	2.71	64	240679	47.849	ug/l	99
7) Trichlorofluoromethane	3.02	101	486736	47.108	ug/l	99
8) Diethyl Ether	3.41	74	196941	50.875	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	306524	46.972	ug/l	94
10) Methyl Iodide	3.96	142	382546	44.613	ug/l	98
11) Tert butyl alcohol	4.78	59	127330	270.976	ug/l	99
12) 1,1-Dichloroethene	3.74	96	297079	47.593	ug/l	90
13) Acrolein	3.61	56	84481	173.650	ug/l	97
14) Allyl chloride	4.33	41	558032	50.971	ug/l	95
15) Acrylonitrile	4.99	53	673074	271.776	ug/l	99
16) Acetone	3.82	43	467449	237.636	ug/l	95
17) Carbon Disulfide	4.06	76	899755	44.682	ug/l	99
18) Methyl Acetate	4.32	43	304257	58.703	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	890848	53.201	ug/l	99
20) Methylene Chloride	4.55	84	540599	73.690	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	328953	48.691	ug/l	92
22) Diisopropyl ether	5.95	45	1140779	54.012	ug/l	96
23) Vinyl Acetate	5.90	43	4151846	273.255	ug/l	95
24) 1,1-Dichloroethane	5.85	63	652967	50.413	ug/l	98
25) 2-Butanone	6.83	43	771325	265.021	ug/l	94
26) 2,2-Dichloropropane	6.83	77	376162	40.878	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	377393	50.229	ug/l	95
28) Bromochloromethane	7.19	49	316693	53.418	ug/l #	81
29) Tetrahydrofuran	7.21	42	534187	275.617	ug/l	91
30) Chloroform	7.37	83	623818	49.670	ug/l	99
31) Cyclohexane	7.65	56	588755	49.668	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	513182	49.557	ug/l	97
36) 1,1-Dichloropropene	7.79	75	473202	49.230	ug/l	97
37) Ethyl Acetate	6.93	43	352928	51.422	ug/l	96
38) Carbon Tetrachloride	7.77	117	452603	45.274	ug/l	99

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

39) Methylcyclohexane	9.08	83	534911	46.171	ug/l	94
40) Benzene	8.04	78	1440305	48.776	ug/l	100
41) Methacrylonitrile	7.18	41	180932	40.940	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	455081	49.779	ug/l	97
43) Isopropyl Acetate	8.16	43	612044	52.816	ug/l #	91
44) Trichloroethene	8.84	130	365855	46.734	ug/l	96
45) 1,2-Dichloropropane	9.12	63	397787	49.931	ug/l	99
46) Dibromomethane	9.21	93	230215	49.775	ug/l	91
47) Bromodichloromethane	9.40	83	486437	49.906	ug/l	97
48) Methyl methacrylate	9.20	41	294516	55.253	ug/l	93
49) 1,4-Dioxane	9.20	88	77357	1071.502	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	1689097	283.650	ug/l	95
52) Toluene	10.16	92	859987	49.460	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	478974	50.504	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	552840	49.448	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	322047	49.595	ug/l	97
56) Ethyl methacrylate	10.43	69	423023	49.696	ug/l	89
57) 1,3-Dichloropropane	10.71	76	556087	50.684	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	969395	244.843	ug/l	95
59) 2-Hexanone	10.75	43	1083337	279.720	ug/l	93
60) Dibromochloromethane	10.90	129	354413	49.110	ug/l	100
61) 1,2-Dibromoethane	11.01	107	308012	49.172	ug/l	100
64) Tetrachloroethene	10.63	164	349910	45.524	ug/l	98
65) Chlorobenzene	11.44	112	921199	48.087	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	342288	49.577	ug/l	100
67) Ethyl Benzene	11.51	91	1605368	49.988	ug/l	98
68) m/p-Xylenes	11.62	106	1217959	100.484	ug/l	96
69) o-Xylene	11.95	106	589782	49.521	ug/l	96
70) Styrene	11.96	104	968146	52.850	ug/l	99
71) Bromoform	12.13	173	238767	49.710	ug/l #	100
73) Isopropylbenzene	12.25	105	1540566	47.479	ug/l	99
74) N-amyl acetate	12.07	43	484139	56.929	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	400583	49.369	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	333130m	49.820	ug/l	
77) Bromobenzene	12.53	156	394114	47.840	ug/l	89
78) n-propylbenzene	12.59	91	1811205	49.083	ug/l	98
79) 2-Chlorotoluene	12.68	91	1072322	48.374	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1297158	48.832	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	100678	47.588	ug/l	91
82) 4-Chlorotoluene	12.77	91	1079522	49.274	ug/l	97
83) tert-Butylbenzene	12.99	119	1133509	48.247	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1331791	50.219	ug/l	98
85) sec-Butylbenzene	13.17	105	1546984	48.210	ug/l	98
86) p-Isopropyltoluene	13.29	119	1317759	48.578	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	685903	48.130	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	671627	48.577	ug/l	99
89) n-Butylbenzene	13.62	91	1127829	49.333	ug/l	99
90) Hexachloroethane	13.88	117	238123	45.299	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	673698	48.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60457	52.725	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	341633	44.831	ug/l	97
94) Hexachlorobutadiene	15.01	225	215282	43.201	ug/l	99
95) Naphthalene	15.13	128	734034	44.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	333134	45.476	ug/l	99

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

