

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053350.D
 Acq On : 10 Jan 2019 19:29
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:12:05 AM

Quant Time: Jan 11 06:42:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	856000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1330933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1231924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	581141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437102	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	7.59	113	383395	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.09	98	1624184	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	587271	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	378177	50.113	ug/l	99
3) Chloromethane	2.06	50	526070	49.919	ug/l	99
4) Vinyl Chloride	2.19	62	502894	49.996	ug/l	100
5) Bromomethane	2.54	94	324157	49.318	ug/l	100
6) Chloroethane	2.69	64	302428	49.813	ug/l	98
7) Trichlorofluoromethane	3.01	101	624497	47.932	ug/l	98
8) Diethyl Ether	3.41	74	256093	50.149	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	394125	47.731	ug/l	100
10) Methyl Iodide	3.95	142	622795	53.808	ug/l	100
11) Tert butyl alcohol	4.78	59	104774	195.601	ug/l	100
12) 1,1-Dichloroethene	3.74	96	385551	48.272	ug/l	99
13) Acrolein	3.61	56	150839	223.966	ug/l	99
14) Allyl chloride	4.32	41	649591	50.461	ug/l	96
15) Acrylonitrile	4.99	53	806993	252.373	ug/l	99
16) Acetone	3.82	43	501100	233.650	ug/l	98
17) Carbon Disulfide	4.05	76	1080129	43.865	ug/l	100
18) Methyl Acetate	4.32	43	391063	48.519	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1143329	51.004	ug/l	97
20) Methylene Chloride	4.55	84	465121	48.628	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	414886	48.378	ug/l	99
22) Diisopropyl ether	5.95	45	1422919	51.309	ug/l	98
23) Vinyl Acetate	5.89	43	4516290	258.820	ug/l	100
24) 1,1-Dichloroethane	5.85	63	799043	49.957	ug/l	100
25) 2-Butanone	6.83	43	874841	239.445	ug/l	100
26) 2,2-Dichloropropane	6.82	77	551005	47.127	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	492534	50.293	ug/l	99
28) Bromochloromethane	7.19	49	352063	51.653	ug/l	99
29) Tetrahydrofuran	7.21	42	596210	247.282	ug/l	98
30) Chloroform	7.37	83	778121	49.426	ug/l	100
31) Cyclohexane	7.65	56	739286	48.634	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	644540	49.131	ug/l	100
36) 1,1-Dichloropropene	7.79	75	606024	48.774	ug/l	99
37) Ethyl Acetate	6.93	43	398960	49.295	ug/l	99
38) Carbon Tetrachloride	7.77	117	550980	48.043	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	738930	51.334	ug/l	99
40) Benzene	8.04	78	1868571	49.232	ug/l	100
41) Methacrylonitrile	7.17	41	217434	43.274	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	550617	48.908	ug/l	100
43) Isopropyl Acetate	8.16	43	730369	45.874	ug/l	100
44) Trichloroethene	8.84	130	505834	48.537	ug/l	99
45) 1,2-Dichloropropane	9.12	63	499302	50.158	ug/l	99
46) Dibromomethane	9.21	93	287163	49.476	ug/l	100
47) Bromodichloromethane	9.40	83	596646	49.328	ug/l	100
48) Methyl methacrylate	9.20	41	370888	51.275	ug/l	99
49) 1,4-Dioxane	9.20	88	54847	711.693	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	2078975	259.658	ug/l	100
52) Toluene	10.16	92	1185685	50.921	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	627782	50.736	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	718429	50.246	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	429761	50.196	ug/l	100
56) Ethyl methacrylate	10.43	69	593878	53.377	ug/l	99
57) 1,3-Dichloropropane	10.71	76	733473	51.229	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1545202	256.892	ug/l	100
59) 2-Hexanone	10.75	43	1407168	256.511	ug/l	99
60) Dibromochloromethane	10.90	129	467545	50.630	ug/l	99
61) 1,2-Dibromoethane	11.01	107	433200	51.273	ug/l	99
64) Tetrachloroethene	10.63	164	559051	48.216	ug/l	100
65) Chlorobenzene	11.43	112	1329561	49.681	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	458580	48.957	ug/l	99
67) Ethyl Benzene	11.51	91	2292959	50.423	ug/l	100
68) m/p-Xylenes	11.62	106	1754422	102.600	ug/l	100
69) o-Xylene	11.95	106	855168	51.083	ug/l	100
70) Styrene	11.96	104	1432289	52.570	ug/l	99
71) Bromoform	12.13	173	332051	50.187	ug/l #	99
73) Isopropylbenzene	12.25	105	2279696	52.688	ug/l	100
74) N-amyl acetate	12.07	43	671477	51.972	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	503718	50.609	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	441979m	52.143	ug/l	
77) Bromobenzene	12.53	156	591891	51.255	ug/l	99
78) n-propylbenzene	12.59	91	2623000	53.594	ug/l	99
79) 2-Chlorotoluene	12.68	91	1538325	51.946	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1858997	53.340	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	154791	53.729	ug/l	98
82) 4-Chlorotoluene	12.77	91	1573617	51.821	ug/l	100
83) tert-Butylbenzene	12.99	119	1645039	53.798	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1871835	52.719	ug/l	100
85) sec-Butylbenzene	13.17	105	2247058	55.722	ug/l	100
86) p-Isopropyltoluene	13.29	119	1942446	55.633	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1033208	50.807	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1006743	49.906	ug/l	99
89) n-Butylbenzene	13.62	91	1617104	55.242	ug/l	100
90) Hexachloroethane	13.88	117	297924	53.236	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	946261	49.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64970	53.818	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	374738	62.567	ug/l	100
94) Hexachlorobutadiene	15.01	225	286230	58.427	ug/l	99
95) Naphthalene	15.13	128	678525	66.408	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	266251	67.898	ug/l	100

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

