

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053413.D
 Acq On : 16 Jan 2019 9:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:41:13 AM

Quant Time: Jan 17 04:01:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	873507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1258816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1157624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	592124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421995	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	7.59	113	381705	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
50) Toluene-d8	10.09	98	1579073	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.40	95	560079	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	354046	50.412	ug/l	99
3) Chloromethane	2.06	50	471842	46.991	ug/l	99
4) Vinyl Chloride	2.19	62	463866	47.924	ug/l	100
5) Bromomethane	2.57	94	319293	48.077	ug/l	97
6) Chloroethane	2.71	64	280226	47.886	ug/l	99
7) Trichlorofluoromethane	3.03	101	630335	49.788	ug/l	99
8) Diethyl Ether	3.41	74	229540	48.273	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	414808	51.734	ug/l	100
10) Methyl Iodide	3.96	142	603440	49.249	ug/l	100
11) Tert butyl alcohol	4.77	59	114465	270.944	ug/l	99
12) 1,1-Dichloroethene	3.74	96	381735	49.085	ug/l	99
13) Acrolein	3.61	56	167961	207.952	ug/l	99
14) Allyl chloride	4.33	41	598665	47.392	ug/l	96
15) Acrylonitrile	4.98	53	675900	243.103	ug/l	100
16) Acetone	3.81	43	530747	262.015	ug/l	99
17) Carbon Disulfide	4.06	76	1158627	49.266	ug/l	100
18) Methyl Acetate	4.32	43	317297	46.492	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1010190	48.887	ug/l	98
20) Methylene Chloride	4.55	84	438020	47.363	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	412355	49.595	ug/l	98
22) Diisopropyl ether	5.95	45	1316030	49.904	ug/l	99
23) Vinyl Acetate	5.89	43	4114521	253.816	ug/l	100
24) 1,1-Dichloroethane	5.85	63	762663	48.921	ug/l	100
25) 2-Butanone	6.83	43	791294	253.495	ug/l	100
26) 2,2-Dichloropropane	6.82	77	586522	49.830	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	473987	49.853	ug/l	99
28) Bromochloromethane	7.19	49	340185	49.533	ug/l	100
29) Tetrahydrofuran	7.21	42	495034	243.604	ug/l	100
30) Chloroform	7.37	83	750956	49.440	ug/l	99
31) Cyclohexane	7.65	56	748296	49.319	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	634328	49.231	ug/l	99
36) 1,1-Dichloropropene	7.79	75	603118	52.609	ug/l	100
37) Ethyl Acetate	6.92	43	332727	50.446	ug/l	99
38) Carbon Tetrachloride	7.77	117	567764	52.311	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	775411	54.723	ug/l	99
40) Benzene	8.04	78	1789277	51.360	ug/l	99
41) Methacrylonitrile	7.17	41	176417	45.080	ug/l	92
42) 1,2-Dichloroethane	8.12	62	516438	50.885	ug/l	100
43) Isopropyl Acetate	8.16	43	589535	49.709	ug/l	98
44) Trichloroethene	8.83	130	502489	52.012	ug/l	100
45) 1,2-Dichloropropane	9.12	63	472087	51.161	ug/l	98
46) Dibromomethane	9.21	93	268088	50.568	ug/l	99
47) Bromodichloromethane	9.40	83	581050	52.117	ug/l	98
48) Methyl methacrylate	9.20	41	303257	49.523	ug/l	98
49) 1,4-Dioxane	9.20	88	79455	1328.598	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1664025	257.024	ug/l	100
52) Toluene	10.15	92	1115145	51.560	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	596623	52.796	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	700805	52.902	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	381012	51.098	ug/l	99
56) Ethyl methacrylate	10.43	69	491410	46.585	ug/l	99
57) 1,3-Dichloropropane	10.71	76	658306	51.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1364896	261.650	ug/l	100
59) 2-Hexanone	10.75	43	1208397	265.884	ug/l	100
60) Dibromochloromethane	10.90	129	442246	52.292	ug/l	100
61) 1,2-Dibromoethane	11.00	107	386387	51.237	ug/l	100
64) Tetrachloroethene	10.63	164	573189	52.541	ug/l	98
65) Chlorobenzene	11.43	112	1246659	50.878	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	438643	51.458	ug/l	99
67) Ethyl Benzene	11.51	91	2173484	52.048	ug/l	100
68) m/p-Xylenes	11.62	106	1674891	106.232	ug/l	100
69) o-Xylene	11.95	106	804614	52.520	ug/l	99
70) Styrene	11.96	104	1338729	53.842	ug/l	99
71) Bromoform	12.13	173	304593	51.903	ug/l #	99
73) Isopropylbenzene	12.25	105	2176970	50.205	ug/l	99
74) N-amyl acetate	12.07	43	559446	48.398	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	414963	45.630	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	375908m	48.174	ug/l	
77) Bromobenzene	12.53	156	559500	48.968	ug/l	99
78) n-propylbenzene	12.59	91	2574202	51.718	ug/l	100
79) 2-Chlorotoluene	12.67	91	1457575	49.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1817467	51.516	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	139328	45.432	ug/l	99
82) 4-Chlorotoluene	12.77	91	1523037	50.621	ug/l	99
83) tert-Butylbenzene	12.99	119	1598485	51.299	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1854841	52.142	ug/l	100
85) sec-Butylbenzene	13.17	105	2225580	52.079	ug/l	100
86) p-Isopropyltoluene	13.29	119	1986344	53.532	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1040102	51.750	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1016394	50.414	ug/l	99
89) n-Butylbenzene	13.62	91	1733309	54.801	ug/l	99
90) Hexachloroethane	13.87	117	311257	53.485	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	965741	52.228	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61421	53.266	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	416983	51.048	ug/l	99
94) Hexachlorobutadiene	15.01	225	325634	56.454	ug/l	100
95) Naphthalene	15.13	128	649232	45.722	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	282878	47.589	ug/l	100

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

