

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011419\
 Data File : VN053379.D
 Acq On : 14 Jan 2019 9:31
 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
 1/15/2019 11:14:01 AM

Quant Time: Jan 14 23:07:59 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	7.66	168	939271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1365036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1238362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	606179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	441394	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
35) Dibromofluoromethane	7.59	113	394762	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.09	98	1662204	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	593184	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	408254	49.302	ug/l	100
3) Chloromethane	2.06	50	526264	45.510	ug/l	100
4) Vinyl Chloride	2.19	62	516301	46.778	ug/l	99
5) Bromomethane	2.57	94	340492	47.211	ug/l	100
6) Chloroethane	2.71	64	314443	47.200	ug/l	99
7) Trichlorofluoromethane	3.02	101	705216	49.329	ug/l	99
8) Diethyl Ether	3.41	74	258567	46.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	456800	50.417	ug/l	99
10) Methyl Iodide	3.96	142	656658	51.704	ug/l	100
11) Tert butyl alcohol	4.77	59	119841	203.895	ug/l	100
12) 1,1-Dichloroethene	3.74	96	423291	48.298	ug/l	99
13) Acrolein	3.61	56	198046	267.989	ug/l	99
14) Allyl chloride	4.33	41	665174	47.091	ug/l	99
15) Acrylonitrile	4.98	53	749026	213.478	ug/l	99
16) Acetone	3.81	43	543845	231.075	ug/l	98
17) Carbon Disulfide	4.06	76	1222163	45.232	ug/l	99
18) Methyl Acetate	4.32	43	356644	40.326	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1135612	46.169	ug/l	98
20) Methylene Chloride	4.55	84	483559	46.074	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	452430	48.079	ug/l	99
22) Diisopropyl ether	5.95	45	1501809	49.353	ug/l	99
23) Vinyl Acetate	5.89	43	4490572	234.531	ug/l	100
24) 1,1-Dichloroethane	5.85	63	858851	48.936	ug/l	100
25) 2-Butanone	6.83	43	860107	214.542	ug/l	100
26) 2,2-Dichloropropane	6.82	77	672597	52.426	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	526183	48.965	ug/l	98
28) Bromochloromethane	7.19	49	356562	47.675	ug/l	99
29) Tetrahydrofuran	7.21	42	538787	203.654	ug/l	100
30) Chloroform	7.37	83	843940	48.854	ug/l	99
31) Cyclohexane	7.65	56	820468	49.191	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	716847	49.798	ug/l	100
36) 1,1-Dichloropropene	7.79	75	670050	52.580	ug/l	99
37) Ethyl Acetate	6.92	43	370200	44.599	ug/l	100
38) Carbon Tetrachloride	7.77	117	634385	53.934	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	854499	57.879	ug/l	100
40) Benzene	8.04	78	1992159	51.177	ug/l	100
41) Methacrylonitrile	7.17	41	234615	45.527	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	572374	49.571	ug/l	100
43) Isopropyl Acetate	8.16	43	675506	41.368	ug/l	98
44) Trichloroethene	8.83	130	560208	52.411	ug/l	99
45) 1,2-Dichloropropane	9.12	63	533644	52.269	ug/l	100
46) Dibromomethane	9.21	93	295347	49.615	ug/l	99
47) Bromodichloromethane	9.40	83	653044	52.642	ug/l	99
48) Methyl methacrylate	9.20	41	346934	46.765	ug/l	98
49) 1,4-Dioxane	9.20	88	75145	950.719	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1867058	227.365	ug/l	100
52) Toluene	10.15	92	1248556	52.282	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	677623	53.396	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	790226	53.887	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	428513	48.800	ug/l	99
56) Ethyl methacrylate	10.43	69	556251	48.746	ug/l	99
57) 1,3-Dichloropropane	10.71	76	737033	50.191	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1443567	233.999	ug/l	100
59) 2-Hexanone	10.75	43	1322354	235.028	ug/l	100
60) Dibromochloromethane	10.90	129	497511	52.529	ug/l	99
61) 1,2-Dibromoethane	11.00	107	429865	49.607	ug/l	99
64) Tetrachloroethene	10.63	164	627777	53.861	ug/l	99
65) Chlorobenzene	11.43	112	1403985	52.189	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	499491	53.047	ug/l	99
67) Ethyl Benzene	11.51	91	2425532	53.061	ug/l	100
68) m/p-Xylenes	11.62	106	1854861	107.910	ug/l	99
69) o-Xylene	11.95	106	898100	53.369	ug/l	99
70) Styrene	11.96	104	1485273	54.231	ug/l	100
71) Bromoform	12.13	173	341674	51.373	ug/l #	100
73) Isopropylbenzene	12.25	105	2414765	53.505	ug/l	100
74) N-amyl acetate	12.07	43	629078	46.679	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	464028	44.696	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	375885m	42.514	ug/l	
77) Bromobenzene	12.53	156	621331	51.582	ug/l	98
78) n-propylbenzene	12.59	91	2831001	55.455	ug/l	99
79) 2-Chlorotoluene	12.67	91	1613867	52.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1975033	54.328	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	152719	50.820	ug/l	100
82) 4-Chlorotoluene	12.77	91	1667603	52.648	ug/l	99
83) tert-Butylbenzene	12.99	119	1770253	55.501	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2009109	54.248	ug/l	100
85) sec-Butylbenzene	13.17	105	2446993	58.173	ug/l	100
86) p-Isopropyltoluene	13.29	119	2138286	58.713	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1112020	52.424	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1090930	51.845	ug/l	99
89) n-Butylbenzene	13.61	91	1855891	60.781	ug/l	100
90) Hexachloroethane	13.87	117	335199	57.423	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1019696	51.320	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59146	46.970	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	409223	65.502	ug/l	98
94) Hexachlorobutadiene	15.01	225	329313	64.445	ug/l	99
95) Naphthalene	15.13	128	644232	60.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	282838	69.149	ug/l	99

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

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