

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010219\
 Data File : VN053236.D
 Acq On : 2 Jan 2019 9:37
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 9:55:31 AM

Quant Time: Jan 03 01:35:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	919482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1363468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1239785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	598595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	463608	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.59	113	400553	64.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.62%	
50) Toluene-d8	10.09	98	1716040	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.40	95	618868	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	428202	46.014	ug/l	99
3) Chloromethane	2.06	50	536714	47.595	ug/l	99
4) Vinyl Chloride	2.19	62	538711	47.170	ug/l	100
5) Bromomethane	2.57	94	383606	48.480	ug/l	99
6) Chloroethane	2.71	64	328241	48.528	ug/l	99
7) Trichlorofluoromethane	3.02	101	719798	50.593	ug/l	99
8) Diethyl Ether	3.41	74	281144	52.381	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	478664	52.767	ug/l	98
10) Methyl Iodide	3.96	142	662569	52.011	ug/l	99
11) Tert butyl alcohol	4.77	59	147766	259.538	ug/l	99
12) 1,1-Dichloroethene	3.74	96	436726	49.832	ug/l	99
13) Acrolein	3.61	56	155828	301.849	ug/l	100
14) Allyl chloride	4.33	41	704641	51.907	ug/l	97
15) Acrylonitrile	4.99	53	823991	260.512	ug/l	99
16) Acetone	3.81	43	509858	278.685	ug/l	97
17) Carbon Disulfide	4.06	76	1188659	41.589	ug/l	100
18) Methyl Acetate	4.32	43	469895	56.458	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1241913	52.954	ug/l	100
20) Methylene Chloride	4.55	84	516381	51.743	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	468832	49.791	ug/l	99
22) Diisopropyl ether	5.95	45	1599265	55.193	ug/l	98
23) Vinyl Acetate	5.90	43	4528927	271.811	ug/l	99
24) 1,1-Dichloroethane	5.85	63	912997	53.025	ug/l	99
25) 2-Butanone	6.83	43	870701	283.581	ug/l	99
26) 2,2-Dichloropropane	6.82	77	721030	54.857	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	559218	52.460	ug/l	99
28) Bromochloromethane	7.19	49	404694	54.241	ug/l	97
29) Tetrahydrofuran	7.21	42	591849	258.092	ug/l	98
30) Chloroform	7.37	83	893342	52.816	ug/l	99
31) Cyclohexane	7.65	56	813167	50.363	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	755254	52.416	ug/l	99
36) 1,1-Dichloropropene	7.79	75	679693	51.937	ug/l	99
37) Ethyl Acetate	6.93	43	395022	54.070	ug/l	99
38) Carbon Tetrachloride	7.78	117	652313	54.380	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	815084	51.270	ug/l	98
40) Benzene	8.04	78	2084686	53.554	ug/l	99
41) Methacrylonitrile	7.17	41	249191	59.033	ug/l	93
42) 1,2-Dichloroethane	8.12	62	607676	52.843	ug/l	98
43) Isopropyl Acetate	8.16	43	729799	51.654	ug/l	97
44) Trichloroethene	8.83	130	571166	50.729	ug/l	98
45) 1,2-Dichloropropane	9.12	63	561568	55.385	ug/l	99
46) Dibromomethane	9.21	93	313275	53.038	ug/l	98
47) Bromodichloromethane	9.40	83	698536	55.636	ug/l	100
48) Methyl methacrylate	9.20	41	389399	54.928	ug/l	98
49) 1,4-Dioxane	9.20	88	93213	1039.436	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1940123	274.220	ug/l	99
52) Toluene	10.16	92	1293781	53.622	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	709467	53.737	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	831938	54.898	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	465751	55.331	ug/l	99
56) Ethyl methacrylate	10.43	69	600805	53.926	ug/l	97
57) 1,3-Dichloropropane	10.71	76	784599	54.356	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1629586	266.422	ug/l	99
59) 2-Hexanone	10.75	43	1348038	281.612	ug/l	99
60) Dibromochloromethane	10.90	129	529698	54.975	ug/l	100
61) 1,2-Dibromoethane	11.00	107	456541	53.404	ug/l	99
64) Tetrachloroethene	10.63	164	629621	46.883	ug/l	99
65) Chlorobenzene	11.43	112	1460975	53.160	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	522980	54.722	ug/l	99
67) Ethyl Benzene	11.51	91	2525116	53.427	ug/l	100
68) m/p-Xylenes	11.62	106	1909217	106.261	ug/l	99
69) o-Xylene	11.95	106	930315	53.959	ug/l	99
70) Styrene	11.96	104	1557023	55.384	ug/l	99
71) Bromoform	12.13	173	369851	53.570	ug/l	100
73) Isopropylbenzene	12.25	105	2503043	53.444	ug/l	99
74) N-amyl acetate	12.07	43	657656	50.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	532245	57.927	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	487481m	48.377	ug/l	
77) Bromobenzene	12.53	156	653426	53.672	ug/l	96
78) n-propylbenzene	12.59	91	2875803	53.914	ug/l	99
79) 2-Chlorotoluene	12.67	91	1675426	50.674	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2010719	52.672	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	164569	52.639	ug/l	96
82) 4-Chlorotoluene	12.77	91	1715470	53.003	ug/l	99
83) tert-Butylbenzene	12.99	119	1799799	53.309	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2038289	53.114	ug/l	99
85) sec-Butylbenzene	13.17	105	2408774	52.748	ug/l	99
86) p-Isopropyltoluene	13.29	119	2087084	52.892	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1129871	52.437	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1114138	51.059	ug/l	100
89) n-Butylbenzene	13.62	91	1752732	51.631	ug/l	100
90) Hexachloroethane	13.87	117	343335	56.699	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1046754	51.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73669	46.370	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	524680	48.849	ug/l	99
94) Hexachlorobutadiene	15.01	225	327919	59.492	ug/l	99
95) Naphthalene	15.13	128	1062091	45.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	464118	47.991	ug/l	99

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

