

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
 Data File : VN056307.D
 Acq On : 14 Jun 2019 13:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 9:45:45 AM

Quant Time: Jun 17 09:08:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	331505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	498715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	450706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192293	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	173696	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	7.59	113	157216	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.09	98	573122	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.40	95	199117	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	166847	45.843	ug/l	100
3) Chloromethane	2.06	50	177845	49.490	ug/l	99
4) Vinyl Chloride	2.18	62	180888	50.182	ug/l	99
5) Bromomethane	2.52	94	91762	40.299	ug/l	97
6) Chloroethane	2.67	64	104754m	50.122	ug/l	
7) Trichlorofluoromethane	3.00	101	233808	50.809	ug/l	100
8) Diethyl Ether	3.40	74	93715	49.522	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	153381	54.870	ug/l	97
10) Methyl Iodide	3.94	142	137724	31.003	ug/l	99
11) Tert butyl alcohol	4.82	59	137660	240.327	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	140338	50.428	ug/l	99
13) Acrolein	3.60	56	32859	198.903	ug/l	98
14) Allyl chloride	4.31	41	241134	54.873	ug/l	98
15) Acrylonitrile	4.99	53	415708	298.134	ug/l	99
16) Acetone	3.82	43	438494	278.541	ug/l	100
17) Carbon Disulfide	4.03	76	308343	46.275	ug/l	99
18) Methyl Acetate	4.32	43	202551	65.683	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	478605	53.953	ug/l	100
20) Methylene Chloride	4.54	84	168830	52.054	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	148327	49.744	ug/l	98
22) Diisopropyl ether	5.95	45	502275	55.293	ug/l	100
23) Vinyl Acetate	5.89	43	2044780	285.840	ug/l	100
24) 1,1-Dichloroethane	5.84	63	287622	54.891	ug/l	100
25) 2-Butanone	6.84	43	595076	299.181	ug/l	99
26) 2,2-Dichloropropane	6.82	77	210507	51.484	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	180959	51.628	ug/l	97
28) Bromochloromethane	7.19	49	143759	58.015	ug/l	94
29) Tetrahydrofuran	7.21	42	361731	294.212	ug/l	98
30) Chloroform	7.37	83	290248	55.063	ug/l	100
31) Cyclohexane	7.65	56	254106	48.651	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	234982	53.383	ug/l	98
36) 1,1-Dichloropropene	7.79	75	208358	48.588	ug/l	99
37) Ethyl Acetate	6.93	43	220861	57.885	ug/l	99
38) Carbon Tetrachloride	7.77	117	204331	51.683	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	256977	48.106	ug/l	98
40) Benzene	8.04	78	656415	50.399	ug/l	100
41) Methacrylonitrile	7.17	41	97566	55.577	ug/l	90
42) 1,2-Dichloroethane	8.12	62	217772	51.980	ug/l	99
43) Isopropyl Acetate	8.17	43	331900	53.680	ug/l #	92
44) Trichloroethene	8.83	130	182172	48.676	ug/l	100
45) 1,2-Dichloropropane	9.12	63	179902	53.926	ug/l	99
46) Dibromomethane	9.21	93	115001	52.715	ug/l	97
47) Bromodichloromethane	9.40	83	225876	57.128	ug/l	97
48) Methyl methacrylate	9.20	41	165985	54.874	ug/l	97
49) 1,4-Dioxane	9.21	88	69611	1065.969	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1094499	283.074	ug/l	99
52) Toluene	10.16	92	411958	50.830	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	227354	49.091	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	264465	55.646	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	171275	53.351	ug/l	99
56) Ethyl methacrylate	10.43	69	256461	54.758	ug/l	99
57) 1,3-Dichloropropane	10.71	76	284307	54.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	408599	221.820	ug/l	98
59) 2-Hexanone	10.75	43	772527	275.672	ug/l	100
60) Dibromochloromethane	10.90	129	181077	51.085	ug/l	98
61) 1,2-Dibromoethane	11.00	107	177610	54.117	ug/l	100
64) Tetrachloroethene	10.63	164	169015	43.322	ug/l	99
65) Chlorobenzene	11.43	112	453082	50.511	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	168862	54.521	ug/l	100
67) Ethyl Benzene	11.51	91	784675	50.308	ug/l	100
68) m/p-Xylenes	11.62	106	594382	99.756	ug/l	99
69) o-Xylene	11.95	106	289153	49.335	ug/l	98
70) Styrene	11.96	104	491868	52.819	ug/l	99
71) Bromoform	12.13	173	130086	50.026	ug/l #	99
73) Isopropylbenzene	12.25	105	776161	56.964	ug/l	100
74) N-amyl acetate	12.07	43	275671	53.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	238850	53.506	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	208959m	59.057	ug/l	
77) Bromobenzene	12.53	156	203439	49.415	ug/l	99
78) n-propylbenzene	12.59	91	846466	52.033	ug/l	100
79) 2-Chlorotoluene	12.67	91	508864	56.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	641563	49.622	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60300	56.754	ug/l	91
82) 4-Chlorotoluene	12.77	91	499593	52.492	ug/l	99
83) tert-Butylbenzene	12.99	119	560085	56.169	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	631088	51.473	ug/l	100
85) sec-Butylbenzene	13.17	105	738963	51.293	ug/l	99
86) p-Isopropyltoluene	13.29	119	658534	51.075	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	329966	51.785	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	312173	50.930	ug/l	99
89) n-Butylbenzene	13.61	91	505988	52.976	ug/l	99
90) Hexachloroethane	13.87	117	112282	57.745	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	321698	50.007	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38879	60.893	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	149884	42.939	ug/l	99
94) Hexachlorobutadiene	15.01	225	116779	53.054	ug/l	99
95) Naphthalene	15.13	128	403866	44.380	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	169723	47.161	ug/l	98

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

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