

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054596.D
 Acq On : 23 Mar 2019 11:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:23:27 AM

Quant Time: Mar 25 03:50:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	466335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	750640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	651694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	300906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	296362	51.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.18%	
35) Dibromofluoromethane	7.59	113	234910	48.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.16%	
50) Toluene-d8	10.09	98	876017	48.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	305383	49.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	241900	54.262	ug/l	98
3) Chloromethane	2.06	50	319115	52.611	ug/l	96
4) Vinyl Chloride	2.19	62	284892	46.782	ug/l	99
5) Bromomethane	2.57	94	170018	43.176	ug/l	99
6) Chloroethane	2.71	64	162546	44.501	ug/l	99
7) Trichlorofluoromethane	3.02	101	360405	48.733	ug/l	98
8) Diethyl Ether	3.41	74	127355	44.776	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	203049	46.717	ug/l	93
10) Methyl Iodide	3.94	142	275331	43.064	ug/l #	90
11) Tert butyl alcohol	4.82	59	99364	282.949	ug/l	98
12) 1,1-Dichloroethene	3.73	96	190711	42.399	ug/l #	77
13) Acrolein	3.61	56	215795	445.285	ug/l	96
14) Allyl chloride	4.31	41	457139	53.972	ug/l #	92
15) Acrylonitrile	4.99	53	507202	290.027	ug/l	99
16) Acetone	3.82	43	465233	266.775	ug/l #	84
17) Carbon Disulfide	4.04	76	548720	45.530	ug/l	99
18) Methyl Acetate	4.33	43	227964	58.648	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	708207	53.950	ug/l	95
20) Methylene Chloride	4.55	84	266325	51.807	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	237211	51.647	ug/l	84
22) Diisopropyl ether	5.96	45	947175	56.694	ug/l #	93
23) Vinyl Acetate	5.90	43	3451061	292.475	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	485581	53.980	ug/l	97
25) 2-Butanone	6.85	43	688468	308.185	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	346042	53.964	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	283853	51.814	ug/l	87
28) Bromochloromethane	7.19	49	242976	54.875	ug/l #	72
29) Tetrahydrofuran	7.22	42	433087	298.745	ug/l #	84
30) Chloroform	7.37	83	470632	53.610	ug/l	99
31) Cyclohexane	7.65	56	465555	54.166	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	384910	53.145	ug/l	96
36) 1,1-Dichloropropene	7.79	75	359129	51.169	ug/l	96
37) Ethyl Acetate	6.94	43	289975	58.090	ug/l #	95
38) Carbon Tetrachloride	7.77	117	335444	49.182	ug/l	98

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39) Methylcyclohexane	9.08	83	415170	51.712	ug/l	89
40) Benzene	8.04	78	1037028	51.671	ug/l	99
41) Methacrylonitrile	7.18	41	154363	50.706	ug/l	91
42) 1,2-Dichloroethane	8.12	62	379694	51.949	ug/l	97
43) Isopropyl Acetate	8.17	43	483530	57.355	ug/l #	94
44) Trichloroethene	8.83	130	276471	49.548	ug/l	92
45) 1,2-Dichloropropane	9.12	63	295565	54.844	ug/l	98
46) Dibromomethane	9.21	93	169539	52.733	ug/l	90
47) Bromodichloromethane	9.40	83	350154	52.478	ug/l	98
48) Methyl methacrylate	9.20	41	253218	55.339	ug/l	87
49) 1,4-Dioxane	9.20	88	54611	1067.573	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1371954	293.641	ug/l	93
52) Toluene	10.16	92	630738	51.097	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	345880	49.179	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	416607	54.454	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	233608	52.648	ug/l	96
56) Ethyl methacrylate	10.43	69	335832	56.389	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	414957	53.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	630407	257.059	ug/l	89
59) 2-Hexanone	10.75	43	904383	296.341	ug/l	92
60) Dibromochloromethane	10.90	129	247686	52.458	ug/l	100
61) 1,2-Dibromoethane	11.00	107	229748	52.374	ug/l	99
64) Tetrachloroethene	10.63	164	263472	48.741	ug/l	95
65) Chlorobenzene	11.43	112	675805	50.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	245863	51.679	ug/l	98
67) Ethyl Benzene	11.51	91	1214292	51.863	ug/l	98
68) m/p-Xylenes	11.62	106	915705	103.254	ug/l	96
69) o-Xylene	11.95	106	441841	51.015	ug/l	97
70) Styrene	11.96	104	739847	52.603	ug/l	97
71) Bromoform	12.13	173	152029	46.513	ug/l	99
73) Isopropylbenzene	12.25	105	1174670	48.445	ug/l	98
74) N-amyl acetate	12.07	43	404702	58.046	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	292233	52.796	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	262774m	55.032	ug/l	
77) Bromobenzene	12.53	156	288325	47.944	ug/l	84
78) n-propylbenzene	12.59	91	1324853	50.388	ug/l	97
79) 2-Chlorotoluene	12.67	91	787393	48.023	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	984699	49.550	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	63262	45.948	ug/l #	81
82) 4-Chlorotoluene	12.77	91	798015	50.211	ug/l	96
83) tert-Butylbenzene	12.99	119	850158	49.147	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	967877	49.635	ug/l	98
85) sec-Butylbenzene	13.17	105	1071771	49.702	ug/l	98
86) p-Isopropyltoluene	13.29	119	971174	50.340	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	497272	49.898	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	486303	50.154	ug/l	98
89) n-Butylbenzene	13.61	91	818900	54.285	ug/l	98
90) Hexachloroethane	13.88	117	149315	49.861	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	488668	50.625	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43789	53.936	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	262018	54.452	ug/l	99
94) Hexachlorobutadiene	15.01	225	162463	60.618	ug/l	100
95) Naphthalene	15.13	128	593810	55.324	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	256560	53.571	ug/l	99

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

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