

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058305.D
 Acq On : 23 Sep 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:34 AM

Quant Time: Sep 24 05:48:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	433907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	742754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	692094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	340921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	322615	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	7.58	113	227596	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	898540	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.41	95	333205	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	153918	43.181	ug/l	97
3) Chloromethane	2.04	50	133613	48.602	ug/l	98
4) Vinyl Chloride	2.17	62	147981	49.240	ug/l	100
5) Bromomethane	2.54	94	79054	49.710	ug/l	97
6) Chloroethane	2.68	64	103452	53.890	ug/l	99
7) Trichlorofluoromethane	3.00	101	218732	44.958	ug/l	99
8) Diethyl Ether	3.39	74	106445	47.749	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	163407	46.584	ug/l	98
10) Methyl Iodide	3.93	142	145442	49.481	ug/l	99
11) Tert butyl alcohol	4.76	59	204855	284.962	ug/l	99
12) 1,1-Dichloroethene	3.72	96	131475	49.384	ug/l	93
13) Acrolein	3.59	56	51250	481.057	ug/l	100
14) Allyl chloride	4.30	41	273724	47.688	ug/l	99
15) Acrylonitrile	4.96	53	562496	293.683	ug/l	99
16) Acetone	3.80	43	494378	240.996	ug/l	99
17) Carbon Disulfide	4.03	76	151245	40.416	ug/l	99
18) Methyl Acetate	4.30	43	299879	55.555	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	699089	52.839	ug/l	99
20) Methylene Chloride	4.53	84	188345	52.452	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	142117	48.984	ug/l	97
22) Diisopropyl ether	5.93	45	767462	52.636	ug/l	97
23) Vinyl Acetate	5.87	43	2805257	281.174	ug/l	100
24) 1,1-Dichloroethane	5.83	63	392907	50.489	ug/l	99
25) 2-Butanone	6.81	43	793452	283.905	ug/l	99
26) 2,2-Dichloropropane	6.81	77	289258	43.814	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	218920	49.752	ug/l	99
28) Bromochloromethane	7.18	49	202952	55.130	ug/l	98
29) Tetrahydrofuran	7.19	42	488821	283.949	ug/l	100
30) Chloroform	7.36	83	426909	50.964	ug/l	98
31) Cyclohexane	7.64	56	236963	46.961	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	328444	51.505	ug/l	99
36) 1,1-Dichloropropene	7.78	75	237450	44.330	ug/l	99
37) Ethyl Acetate	6.91	43	311489	56.036	ug/l	98
38) Carbon Tetrachloride	7.76	117	253555	47.091	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	227860	44.006	ug/l	97
40) Benzene	8.03	78	797676	48.757	ug/l	99
41) Methacrylonitrile	7.16	41	148079m	52.826	ug/l	
42) 1,2-Dichloroethane	8.11	62	343891	50.095	ug/l	100
43) Isopropyl Acetate	8.15	43	544352	52.435	ug/l	100
44) Trichloroethene	8.82	130	192078	47.977	ug/l	100
45) 1,2-Dichloropropane	9.11	63	247730	50.704	ug/l	98
46) Dibromomethane	9.20	93	151568	51.025	ug/l	97
47) Bromodichloromethane	9.40	83	327337	52.601	ug/l	100
48) Methyl methacrylate	9.19	41	259194	54.988	ug/l	99
49) 1,4-Dioxane	9.19	88	90080	1163.986	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1734126	314.484	ug/l	99
52) Toluene	10.15	92	500644	48.829	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	334950	52.545	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	358538	50.944	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249265	54.783	ug/l	99
56) Ethyl methacrylate	10.43	69	365782	55.717	ug/l	99
57) 1,3-Dichloropropane	10.71	76	411181	52.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	896767	286.776	ug/l	100
59) 2-Hexanone	10.75	43	1257694	307.103	ug/l	99
60) Dibromochloromethane	10.90	129	237610	54.281	ug/l	99
61) 1,2-Dibromoethane	11.00	107	220942	52.397	ug/l	98
64) Tetrachloroethene	10.63	164	154311	45.738	ug/l	98
65) Chlorobenzene	11.44	112	588915	48.377	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	229345	51.957	ug/l	100
67) Ethyl Benzene	11.51	91	1046454	50.168	ug/l	100
68) m/p-Xylenes	11.62	106	760410	96.792	ug/l	97
69) o-Xylene	11.95	106	388563	50.300	ug/l	99
70) Styrene	11.97	104	684630	51.438	ug/l	99
71) Bromoform	12.13	173	153240	47.053	ug/l #	100
73) Isopropylbenzene	12.25	105	1095859	51.354	ug/l	99
74) N-amyl acetate	12.08	43	511746	57.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	399743	55.939	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	320902m	52.595	ug/l	
77) Bromobenzene	12.53	156	259262	48.300	ug/l	96
78) n-propylbenzene	12.60	91	1286133	53.038	ug/l	99
79) 2-Chlorotoluene	12.68	91	775621	51.179	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	945715	52.408	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	92989	45.896	ug/l	96
82) 4-Chlorotoluene	12.78	91	813276	51.052	ug/l	99
83) tert-Butylbenzene	13.00	119	839649	52.177	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	967782	53.892	ug/l	99
85) sec-Butylbenzene	13.18	105	1111430	52.816	ug/l	100
86) p-Isopropyltoluene	13.30	119	990422	52.942	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	500805	51.081	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	499847	49.939	ug/l	99
89) n-Butylbenzene	13.62	91	890704	50.219	ug/l	99
90) Hexachloroethane	13.88	117	154993	47.402	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	508283	51.683	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74913	58.229	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	302777	48.185	ug/l	99
94) Hexachlorobutadiene	15.02	225	137211	45.179	ug/l	97
95) Naphthalene	15.14	128	872390	53.572	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	289282	48.708	ug/l	100

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

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