

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058402.D
 Acq On : 27 Sep 2019 12:17
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:36 AM

Quant Time: Sep 27 23:34:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	481349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	814880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	727369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348098	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	355501	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
35) Dibromofluoromethane	7.57	113	255757	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	10.08	98	1006943	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	361505	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	266940	62.928	ug/l	100
3) Chloromethane	2.04	50	279599	67.716	ug/l	100
4) Vinyl Chloride	2.17	62	280616	66.469	ug/l	100
5) Bromomethane	2.53	94	150056	69.615	ug/l	100
6) Chloroethane	2.67	64	168890	61.746	ug/l	100
7) Trichlorofluoromethane	3.00	101	346136	60.105	ug/l	100
8) Diethyl Ether	3.39	74	149950	57.959	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	235469	57.565	ug/l	100
10) Methyl Iodide	3.93	142	272284	73.084	ug/l	100
11) Tert butyl alcohol	4.76	59	193187	242.691	ug/l	100
12) 1,1-Dichloroethene	3.72	96	231192	64.377	ug/l	100
13) Acrolein	3.59	56	56419	404.006	ug/l	100
14) Allyl chloride	4.30	41	419162	61.809	ug/l	100
15) Acrylonitrile	4.96	53	577001	266.891	ug/l	100
16) Acetone	3.80	43	603583	258.802	ug/l	100
17) Carbon Disulfide	4.03	76	616020	95.000	ug/l	100
18) Methyl Acetate	4.30	43	286848	47.578	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	809917	53.875	ug/l	100
20) Methylene Chloride	4.53	84	262507	56.204	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	253705	65.134	ug/l	100
22) Diisopropyl ether	5.93	45	887972	53.683	ug/l	100
23) Vinyl Acetate	5.87	43	3682134	316.600	ug/l	100
24) 1,1-Dichloroethane	5.83	63	503515	56.103	ug/l	100
25) 2-Butanone	6.81	43	841549	267.028	ug/l	100
26) 2,2-Dichloropropane	6.80	77	420173	55.350	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	297990	58.364	ug/l	100
28) Bromochloromethane	7.18	49	204029	50.077	ug/l	100
29) Tetrahydrofuran	7.19	42	532143	271.301	ug/l	100
30) Chloroform	7.36	83	505247	52.961	ug/l	100
31) Cyclohexane	7.64	56	473830	65.817	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	431312	58.631	ug/l	100
36) 1,1-Dichloropropene	7.78	75	392419	62.318	ug/l	100
37) Ethyl Acetate	6.91	43	346437	55.482	ug/l	100
38) Carbon Tetrachloride	7.76	117	364178	58.882	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	458654	67.424	ug/l	100
40) Benzene	8.03	78	1130464	59.853	ug/l	100
41) Methacrylonitrile	7.15	41	154242	52.289	ug/l	100
42) 1,2-Dichloroethane	8.11	62	430526	55.355	ug/l	100
43) Isopropyl Acetate	8.15	43	603975	52.078	ug/l	100
44) Trichloroethene	8.82	130	282180	60.935	ug/l	100
45) 1,2-Dichloropropane	9.11	63	303820	55.272	ug/l	100
46) Dibromomethane	9.20	93	191169	56.738	ug/l	100
47) Bromodichloromethane	9.39	83	377833	54.483	ug/l	100
48) Methyl methacrylate	9.19	41	286613	54.501	ug/l	100
49) 1,4-Dioxane	9.19	88	79356	951.114	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1702257	279.394	ug/l	100
52) Toluene	10.15	92	694976	59.132	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	429416	59.600	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	470841	59.030	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	262359	52.053	ug/l	100
56) Ethyl methacrylate	10.43	69	413320	56.443	ug/l	100
57) 1,3-Dichloropropane	10.71	76	469018	53.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	833528	248.695	ug/l	100
59) 2-Hexanone	10.75	43	1238655	274.415	ug/l	100
60) Dibromochloromethane	10.90	129	269154	55.476	ug/l	100
61) 1,2-Dibromoethane	11.00	107	272185	57.106	ug/l	100
64) Tetrachloroethene	10.63	164	230189	61.126	ug/l	100
65) Chlorobenzene	11.43	112	728184	55.238	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	257570	54.726	ug/l	100
67) Ethyl Benzene	11.51	91	1358071	59.628	ug/l	100
68) m/p-Xylenes	11.62	106	1010459	117.644	ug/l	100
69) o-Xylene	11.95	106	485893	57.832	ug/l	100
70) Styrene	11.97	104	819843	57.256	ug/l	100
71) Bromoform	12.13	173	163527	55.187	ug/l #	100
73) Isopropylbenzene	12.25	105	1314100	58.335	ug/l	100
74) N-amyl acetate	12.07	43	534826	57.426	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	374321	50.918	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	324617m	51.372	ug/l	
77) Bromobenzene	12.53	156	300116	53.431	ug/l	100
78) n-propylbenzene	12.60	91	1530921	59.765	ug/l	100
79) 2-Chlorotoluene	12.68	91	897016	56.341	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1117606	58.861	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	111023	57.121	ug/l	100
82) 4-Chlorotoluene	12.78	91	927076	55.685	ug/l	100
83) tert-Butylbenzene	13.00	119	930393	55.481	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1119688	59.225	ug/l	100
85) sec-Butylbenzene	13.18	105	1251206	57.059	ug/l	100
86) p-Isopropyltoluene	13.29	119	1115797	57.362	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	547475	53.748	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	547372	52.790	ug/l	100
89) n-Butylbenzene	13.62	91	984369	54.124	ug/l	100
90) Hexachloroethane	13.88	117	171300	56.882	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	529839	52.299	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	69320	52.484	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	315389	49.485	ug/l	100
94) Hexachlorobutadiene	15.02	225	147629	47.839	ug/l	100
95) Naphthalene	15.13	128	860991	52.246	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	291403	48.679	ug/l	100

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

