

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091719\
 Data File : VN058134.D
 Acq On : 17 Sep 2019 9:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 4:41:25 PM

Quant Time: Sep 18 01:53:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	336920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	531099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	312879	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	347746	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.57	113	254428	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.08	98	991603	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.40	95	366386	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	242171	51.974	ug/l	100
3) Chloromethane	2.04	50	201186	42.364	ug/l	98
4) Vinyl Chloride	2.17	62	210106	41.803	ug/l	100
5) Bromomethane	2.54	94	138112	50.004	ug/l	96
6) Chloroethane	2.68	64	133782	41.771	ug/l	100
7) Trichlorofluoromethane	3.00	101	295404	46.703	ug/l	98
8) Diethyl Ether	3.39	74	135265	51.273	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	212545	53.268	ug/l	98
10) Methyl Iodide	3.93	142	225593	50.807	ug/l	100
11) Tert butyl alcohol	4.75	59	193451	234.223	ug/l	100
12) 1,1-Dichloroethene	3.72	96	176977	49.330	ug/l	98
13) Acrolein	3.59	56	58856	83.994	ug/l	100
14) Allyl chloride	4.30	41	355617	50.651	ug/l	98
15) Acrylonitrile	4.96	53	615410	271.089	ug/l	99
16) Acetone	3.79	43	658590	294.401	ug/l	99
17) Carbon Disulfide	4.03	76	248401	44.504	ug/l	99
18) Methyl Acetate	4.30	43	334182	56.027	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	828636	55.500	ug/l	99
20) Methylene Chloride	4.53	84	240109	56.542	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	189344	48.823	ug/l	99
22) Diisopropyl ether	5.93	45	932735	56.650	ug/l	99
23) Vinyl Acetate	5.87	43	3395683	291.010	ug/l	100
24) 1,1-Dichloroethane	5.83	63	485543	53.958	ug/l	99
25) 2-Butanone	6.81	43	910374	281.171	ug/l	99
26) 2,2-Dichloropropane	6.80	77	408627	57.382	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	277800	53.451	ug/l	98
28) Bromochloromethane	7.17	49	235465	52.378	ug/l	96
29) Tetrahydrofuran	7.19	42	517652	259.456	ug/l	99
30) Chloroform	7.36	83	516677	54.915	ug/l	99
31) Cyclohexane	7.64	56	324645	53.080	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	414572	55.558	ug/l	99
36) 1,1-Dichloropropene	7.78	75	318968	51.786	ug/l	100
37) Ethyl Acetate	6.91	43	338691	53.222	ug/l	99
38) Carbon Tetrachloride	7.76	117	326321	58.029	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	329361	50.868	ug/l	99
40) Benzene	8.03	78	1010564	54.496	ug/l	100
41) Methacrylonitrile	7.15	41	161507	55.910	ug/l	97
42) 1,2-Dichloroethane	8.11	62	423283	57.075	ug/l	100
43) Isopropyl Acetate	8.15	43	619970	57.932	ug/l	100
44) Trichloroethene	8.82	130	243502	53.538	ug/l	98
45) 1,2-Dichloropropane	9.11	63	308005	57.081	ug/l	99
46) Dibromomethane	9.20	93	185584	56.916	ug/l	99
47) Bromodichloromethane	9.39	83	399316	61.328	ug/l	98
48) Methyl methacrylate	9.19	41	297840	54.865	ug/l	99
49) 1,4-Dioxane	9.19	88	86336	940.450	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1841312	290.750	ug/l	100
52) Toluene	10.15	92	641638	54.937	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	421644	61.494	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	455670	60.193	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	286399	57.890	ug/l	98
56) Ethyl methacrylate	10.43	69	429092	57.595	ug/l	99
57) 1,3-Dichloropropane	10.70	76	493280	57.856	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	880496	250.929	ug/l	100
59) 2-Hexanone	10.75	43	1386794	292.153	ug/l	100
60) Dibromochloromethane	10.90	129	287415	62.563	ug/l	100
61) 1,2-Dibromoethane	11.00	107	269682	57.659	ug/l	98
64) Tetrachloroethene	10.63	164	199572	53.835	ug/l	98
65) Chlorobenzene	11.43	112	737017	56.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	276921	60.736	ug/l	98
67) Ethyl Benzene	11.51	91	1320021	57.323	ug/l	100
68) m/p-Xylenes	11.62	106	960453	113.864	ug/l	99
69) o-Xylene	11.95	106	475438	56.696	ug/l	97
70) Styrene	11.96	104	853487	59.140	ug/l	99
71) Bromoform	12.13	173	179715	63.222	ug/l #	97
73) Isopropylbenzene	12.25	105	1348331	55.536	ug/l	100
74) N-amyl acetate	12.07	43	563737	53.354	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	434672	53.174	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	381710m	53.930	ug/l	
77) Bromobenzene	12.53	156	318291	52.583	ug/l	97
78) n-propylbenzene	12.59	91	1583241	56.790	ug/l	99
79) 2-Chlorotoluene	12.68	91	941365	53.424	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1154511	56.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	116181	57.764	ug/l	99
82) 4-Chlorotoluene	12.78	91	991680	54.804	ug/l	99
83) tert-Butylbenzene	13.00	119	1010576	55.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1176564	56.432	ug/l	99
85) sec-Butylbenzene	13.17	105	1368807	56.635	ug/l	100
86) p-Isopropyltoluene	13.29	119	1238318	58.150	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	604877	54.442	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	610612	54.143	ug/l	100
89) n-Butylbenzene	13.62	91	1160176	57.690	ug/l	100
90) Hexachloroethane	13.88	117	185759	58.654	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	611324	55.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	77858	57.674	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	394912	54.432	ug/l	99
94) Hexachlorobutadiene	15.01	225	182604	59.374	ug/l	97
95) Naphthalene	15.13	128	1069883	58.685	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	370272	58.291	ug/l	99

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

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