

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091519\
 Data File : VN058101.D
 Acq On : 15 Sep 2019 18:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 1:56:20 PM

Quant Time: Sep 16 05:08:17 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	324068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	527049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	511828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	320035	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	358763	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
35) Dibromofluoromethane	7.57	113	260911	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	10.08	98	1041190	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
62) 4-Bromofluorobenzene	12.40	95	387703	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	231477	51.649	ug/l	99
3) Chloromethane	2.04	50	191098	41.836	ug/l	97
4) Vinyl Chloride	2.17	62	199677	41.303	ug/l	99
5) Bromomethane	2.54	94	128504	48.320	ug/l	98
6) Chloroethane	2.68	64	135641	44.031	ug/l	99
7) Trichlorofluoromethane	3.00	101	282195	46.384	ug/l	99
8) Diethyl Ether	3.39	74	130724	51.517	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	206090	53.698	ug/l	98
10) Methyl Iodide	3.93	142	205760	48.178	ug/l	99
11) Tert butyl alcohol	4.76	59	190648	239.983	ug/l	100
12) 1,1-Dichloroethene	3.72	96	167101	48.425	ug/l	95
13) Acrolein	3.58	56	68537	101.689	ug/l	97
14) Allyl chloride	4.30	41	328588	48.657	ug/l	99
15) Acrylonitrile	4.96	53	586150	268.440	ug/l	99
16) Acetone	3.79	43	493568	229.384	ug/l	99
17) Carbon Disulfide	4.03	76	234212	43.629	ug/l	99
18) Methyl Acetate	4.30	43	330502	57.608	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	781801	54.440	ug/l	99
20) Methylene Chloride	4.53	84	229112	56.082	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	184862	49.557	ug/l	98
22) Diisopropyl ether	5.93	45	874549	55.223	ug/l	98
23) Vinyl Acetate	5.87	43	3122177	278.182	ug/l	100
24) 1,1-Dichloroethane	5.83	63	464689	53.689	ug/l	100
25) 2-Butanone	6.81	43	797474	256.069	ug/l	98
26) 2,2-Dichloropropane	6.81	77	293851	42.901	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	260995	52.209	ug/l	99
28) Bromochloromethane	7.18	49	228502	52.845	ug/l	98
29) Tetrahydrofuran	7.19	42	516750	269.276	ug/l	98
30) Chloroform	7.36	83	486977	53.811	ug/l	98
31) Cyclohexane	7.64	56	316371	53.809	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	387771	54.027	ug/l	99
36) 1,1-Dichloropropene	7.78	75	300891	49.227	ug/l	99
37) Ethyl Acetate	6.91	43	327834	51.912	ug/l	100
38) Carbon Tetrachloride	7.76	117	304637	54.589	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	318307	49.538	ug/l	99
40) Benzene	8.03	78	952504	51.760	ug/l	99
41) Methacrylonitrile	7.16	41	163943m	57.189	ug/l	
42) 1,2-Dichloroethane	8.11	62	400487	54.416	ug/l	99
43) Isopropyl Acetate	8.15	43	612764	57.698	ug/l	98
44) Trichloroethene	8.82	130	236790	52.462	ug/l	97
45) 1,2-Dichloropropane	9.11	63	293003	54.718	ug/l	100
46) Dibromomethane	9.20	93	178643	55.208	ug/l	100
47) Bromodichloromethane	9.40	83	369713	57.217	ug/l	96
48) Methyl methacrylate	9.19	41	289997	53.830	ug/l	99
49) 1,4-Dioxane	9.19	88	86172	945.876	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1813796	288.606	ug/l	100
52) Toluene	10.15	92	623992	53.837	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	379588	55.786	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	407673	54.266	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	274156	55.841	ug/l	99
56) Ethyl methacrylate	10.43	69	405249	54.813	ug/l	99
57) 1,3-Dichloropropane	10.71	76	469657	55.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	866813	248.928	ug/l	100
59) 2-Hexanone	10.75	43	1279554	271.632	ug/l	99
60) Dibromochloromethane	10.90	129	269957	59.214	ug/l	100
61) 1,2-Dibromoethane	11.00	107	256919	55.352	ug/l	99
64) Tetrachloroethene	10.63	164	197141	52.166	ug/l	99
65) Chlorobenzene	11.43	112	703612	52.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	261769	56.319	ug/l	99
67) Ethyl Benzene	11.51	91	1273165	54.235	ug/l	100
68) m/p-Xylenes	11.62	106	930409	108.201	ug/l	99
69) o-Xylene	11.95	106	464425	54.328	ug/l	97
70) Styrene	11.97	104	828461	56.312	ug/l	99
71) Bromoform	12.13	173	170052	58.683	ug/l #	98
73) Isopropylbenzene	12.25	105	1307094	52.634	ug/l	100
74) N-amyl acetate	12.07	43	555532	51.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	426165	50.968	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	382015m	52.766	ug/l	
77) Bromobenzene	12.53	156	305991	49.421	ug/l	98
78) n-propylbenzene	12.60	91	1548801	54.312	ug/l	100
79) 2-Chlorotoluene	12.68	91	914649	50.748	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1130870	53.895	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	97707	47.492	ug/l	96
82) 4-Chlorotoluene	12.78	91	972403	52.537	ug/l	100
83) tert-Butylbenzene	13.00	119	968996	51.952	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1140438	53.476	ug/l	100
85) sec-Butylbenzene	13.18	105	1345587	54.429	ug/l	100
86) p-Isopropyltoluene	13.29	119	1204556	55.299	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	592614	52.145	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	592689	51.378	ug/l	99
89) n-Butylbenzene	13.62	91	1128850	54.877	ug/l	100
90) Hexachloroethane	13.88	117	177671	54.845	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	591960	52.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	77177	55.891	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	387472	52.213	ug/l	100
94) Hexachlorobutadiene	15.01	225	185100	58.840	ug/l	98
95) Naphthalene	15.13	128	1035836	55.461	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	365631	56.308	ug/l	98

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

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