

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056493.D
 Acq On : 25 Jun 2019 17:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 9:28:42 AM

Quant Time: Jun 26 05:10:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	364316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	566554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	501812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209597	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	195462	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	7.59	113	173746	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	10.09	98	648106	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
62) 4-Bromofluorobenzene	12.40	95	221902	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	136735	44.325	ug/l	99
3) Chloromethane	2.06	50	177001	42.140	ug/l	99
4) Vinyl Chloride	2.18	62	183085	45.129	ug/l	99
5) Bromomethane	2.52	94	111199m	46.755	ug/l	
6) Chloroethane	2.68	64	105679	44.982	ug/l	98
7) Trichlorofluoromethane	3.00	101	241860	46.088	ug/l	99
8) Diethyl Ether	3.41	74	104397	47.005	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154701	46.226	ug/l	99
10) Methyl Iodide	3.95	142	211653	46.793	ug/l	99
11) Tert butyl alcohol	4.80	59	182155	267.851	ug/l	100
12) 1,1-Dichloroethene	3.73	96	150253	46.687	ug/l	97
13) Acrolein	3.61	56	112366	196.044	ug/l	99
14) Allyl chloride	4.32	41	263454	49.176	ug/l	99
15) Acrylonitrile	4.99	53	475185	252.572	ug/l	99
16) Acetone	3.82	43	417756	206.506	ug/l	98
17) Carbon Disulfide	4.05	76	307494	42.007	ug/l	99
18) Methyl Acetate	4.33	43	202680	51.174	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	532043	49.961	ug/l	97
20) Methylene Chloride	4.55	84	181925	47.663	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	158387	45.647	ug/l	98
22) Diisopropyl ether	5.95	45	554439	49.279	ug/l	97
23) Vinyl Acetate	5.90	43	2347671	264.554	ug/l	99
24) 1,1-Dichloroethane	5.85	63	312293	48.354	ug/l	99
25) 2-Butanone	6.84	43	644150	240.587	ug/l	99
26) 2,2-Dichloropropane	6.82	77	224544	49.989	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	198619	48.927	ug/l	100
28) Bromochloromethane	7.19	49	157321	49.247	ug/l	99
29) Tetrahydrofuran	7.21	42	417947	255.441	ug/l	100
30) Chloroform	7.37	83	313742	49.230	ug/l	99
31) Cyclohexane	7.65	56	269960	43.297	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	253297	50.143	ug/l	99
36) 1,1-Dichloropropene	7.79	75	221316	44.381	ug/l	98
37) Ethyl Acetate	6.93	43	253709	51.771	ug/l	99
38) Carbon Tetrachloride	7.77	117	210635	48.302	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	270480	43.958	ug/l	100
40) Benzene	8.04	78	716299	46.698	ug/l	99
41) Methacrylonitrile	7.18	41	112471	51.974	ug/l	92
42) 1,2-Dichloroethane	8.12	62	234663	46.356	ug/l	99
43) Isopropyl Acetate	8.17	43	408666	54.080	ug/l	99
44) Trichloroethene	8.83	130	192226	46.522	ug/l	99
45) 1,2-Dichloropropane	9.12	63	198064	48.282	ug/l	99
46) Dibromomethane	9.21	93	125930	49.067	ug/l	100
47) Bromodichloromethane	9.40	83	233267	51.246	ug/l	98
48) Methyl methacrylate	9.20	41	186262	49.187	ug/l	100
49) 1,4-Dioxane	9.20	88	79081	1006.324	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1232700	252.741	ug/l	100
52) Toluene	10.16	92	440804	47.004	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	250135	47.344	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	289968	52.899	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186015	49.347	ug/l	99
56) Ethyl methacrylate	10.43	69	285883	51.895	ug/l	99
57) 1,3-Dichloropropane	10.71	76	309461	48.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	443044	223.863	ug/l	100
59) 2-Hexanone	10.75	43	863036	240.757	ug/l	99
60) Dibromochloromethane	10.90	129	183222	47.417	ug/l	100
61) 1,2-Dibromoethane	11.01	107	190867	49.576	ug/l	99
64) Tetrachloroethene	10.63	164	180369	45.388	ug/l	98
65) Chlorobenzene	11.43	112	480747	47.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	176586	51.817	ug/l	99
67) Ethyl Benzene	11.51	91	836266	47.234	ug/l	99
68) m/p-Xylenes	11.62	106	619253	95.440	ug/l	99
69) o-Xylene	11.95	106	306915	47.812	ug/l	99
70) Styrene	11.96	104	517441	50.430	ug/l	100
71) Bromoform	12.13	173	129551	47.303	ug/l #	99
73) Isopropylbenzene	12.25	105	820993	52.272	ug/l	99
74) N-amyl acetate	12.07	43	318924	47.810	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	260658	53.711	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	228703m	52.623	ug/l	
77) Bromobenzene	12.53	156	212821	45.411	ug/l	98
78) n-propylbenzene	12.59	91	878202	45.754	ug/l	100
79) 2-Chlorotoluene	12.67	91	542760	51.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	669490	50.790	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66618	54.480	ug/l	94
82) 4-Chlorotoluene	12.77	91	518465	45.748	ug/l	99
83) tert-Butylbenzene	12.99	119	595318	51.898	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	649662	46.043	ug/l	100
85) sec-Butylbenzene	13.17	105	769904	45.636	ug/l	100
86) p-Isopropyltoluene	13.29	119	671326	46.368	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334711	47.127	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	319480	46.446	ug/l	100
89) n-Butylbenzene	13.61	91	497957	45.432	ug/l	100
90) Hexachloroethane	13.87	117	113459	50.265	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	336918	47.813	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39991	51.566	ug/l	100

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93) 1,2,4-Trichlorobenzene	14.91	180	143985	40.446	ug/l	99
94) Hexachlorobutadiene	15.01	225	116789	48.864	ug/l	99
95) Naphthalene	15.13	128	401520	42.720	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	158306	42.384	ug/l	100

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

