

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
 Data File : VN056013.D
 Acq On : 5 Jun 2019 17:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 12:05:02 PM

Quant Time: Jun 06 02:10:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	351680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204316	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	173752	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	7.59	113	160698	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	611428	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	206610	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	185585	48.049	ug/l	100
3) Chloromethane	2.06	50	189289	49.653	ug/l	99
4) Vinyl Chloride	2.18	62	194948	50.980	ug/l	99
5) Bromomethane	2.53	94	121968	50.492	ug/l	100
6) Chloroethane	2.68	64	112828	50.889	ug/l	100
7) Trichlorofluoromethane	3.00	101	239806	49.123	ug/l	99
8) Diethyl Ether	3.40	74	99272	49.449	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	149281	50.340	ug/l	99
10) Methyl Iodide	3.94	142	234662	49.795	ug/l	98
11) Tert butyl alcohol	4.82	59	166195	273.498	ug/l	99
12) 1,1-Dichloroethene	3.72	96	150395	50.941	ug/l	94
13) Acrolein	3.60	56	38398	219.098	ug/l	100
14) Allyl chloride	4.31	41	236107	50.647	ug/l	99
15) Acrylonitrile	4.99	53	401618	271.506	ug/l	100
16) Acetone	3.82	43	403317	241.498	ug/l	99
17) Carbon Disulfide	4.04	76	345119	48.822	ug/l	100
18) Methyl Acetate	4.33	43	175228	53.455	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	481181	51.132	ug/l	98
20) Methylene Chloride	4.54	84	169754	49.337	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	159126	50.304	ug/l	96
22) Diisopropyl ether	5.95	45	483358	50.158	ug/l	98
23) Vinyl Acetate	5.89	43	2034054	268.029	ug/l	99
24) 1,1-Dichloroethane	5.84	63	277374	49.898	ug/l	99
25) 2-Butanone	6.84	43	561783	266.239	ug/l	98
26) 2,2-Dichloropropane	6.82	77	217323	50.102	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	186807	50.239	ug/l	97
28) Bromochloromethane	7.19	49	132573	50.432	ug/l	96
29) Tetrahydrofuran	7.22	42	349459	267.925	ug/l	99
30) Chloroform	7.37	83	280445	50.151	ug/l	99
31) Cyclohexane	7.65	56	261879	47.263	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	235001	50.325	ug/l	99
36) 1,1-Dichloropropene	7.79	75	213108	48.079	ug/l	99
37) Ethyl Acetate	6.93	43	211501	53.629	ug/l	100
38) Carbon Tetrachloride	7.77	117	200818	49.142	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	267924	48.523	ug/l	98
40) Benzene	8.04	78	668651	49.668	ug/l	99
41) Methacrylonitrile	7.17	41	94006	51.808	ug/l	89
42) 1,2-Dichloroethane	8.12	62	205340	47.419	ug/l	99
43) Isopropyl Acetate	8.17	43	334201	52.294	ug/l	92
44) Trichloroethene	8.83	130	188203	48.652	ug/l	100
45) 1,2-Dichloropropane	9.12	63	172066	49.899	ug/l	99
46) Dibromomethane	9.21	93	112481	49.883	ug/l	98
47) Bromodichloromethane	9.40	83	208776	51.085	ug/l	98
48) Methyl methacrylate	9.20	41	160597	51.366	ug/l	96
49) 1,4-Dioxane	9.20	88	73433	1087.918	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1044435	261.338	ug/l	99
52) Toluene	10.15	92	423717	50.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227009	47.503	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	262954	53.528	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	168499	50.779	ug/l	98
56) Ethyl methacrylate	10.43	69	256631	53.012	ug/l	98
57) 1,3-Dichloropropane	10.71	76	276182	51.199	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	455519	238.079	ug/l	98
59) 2-Hexanone	10.75	43	743602	256.719	ug/l	98
60) Dibromochloromethane	10.90	129	173012	47.408	ug/l	100
61) 1,2-Dibromoethane	11.00	107	177123	52.213	ug/l	99
64) Tetrachloroethene	10.63	164	186425	46.894	ug/l	98
65) Chlorobenzene	11.43	112	451465	49.393	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	165980	52.592	ug/l	98
67) Ethyl Benzene	11.51	91	787719	49.563	ug/l	99
68) m/p-Xylenes	11.62	106	607188	100.007	ug/l	98
69) o-Xylene	11.95	106	298174	49.927	ug/l	98
70) Styrene	11.96	104	493052	51.960	ug/l	99
71) Bromoform	12.13	173	124429	47.127	ug/l #	100
73) Isopropylbenzene	12.25	105	775586	53.420	ug/l	100
74) N-amyl acetate	12.07	43	272632	50.058	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	231307	48.767	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	199504m	53.067	ug/l	
77) Bromobenzene	12.53	156	208147	47.583	ug/l	97
78) n-propylbenzene	12.59	91	830213	48.031	ug/l	100
79) 2-Chlorotoluene	12.67	91	499462	52.197	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	637308	46.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62560	55.416	ug/l	95
82) 4-Chlorotoluene	12.77	91	483016	47.764	ug/l	99
83) tert-Butylbenzene	12.99	119	559078	52.594	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	625075	47.982	ug/l	99
85) sec-Butylbenzene	13.17	105	721833	47.156	ug/l	100
86) p-Isopropyltoluene	13.29	119	659355	48.129	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	332934	49.176	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	316248	48.559	ug/l	100
89) n-Butylbenzene	13.61	91	502179	49.483	ug/l	99
90) Hexachloroethane	13.87	117	102163	49.449	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	325386	47.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36110	53.228	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162620	43.756	ug/l	99
94) Hexachlorobutadiene	15.01	225	116560	49.707	ug/l	98
95) Naphthalene	15.13	128	440986	45.501	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	173810	45.564	ug/l	99

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

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